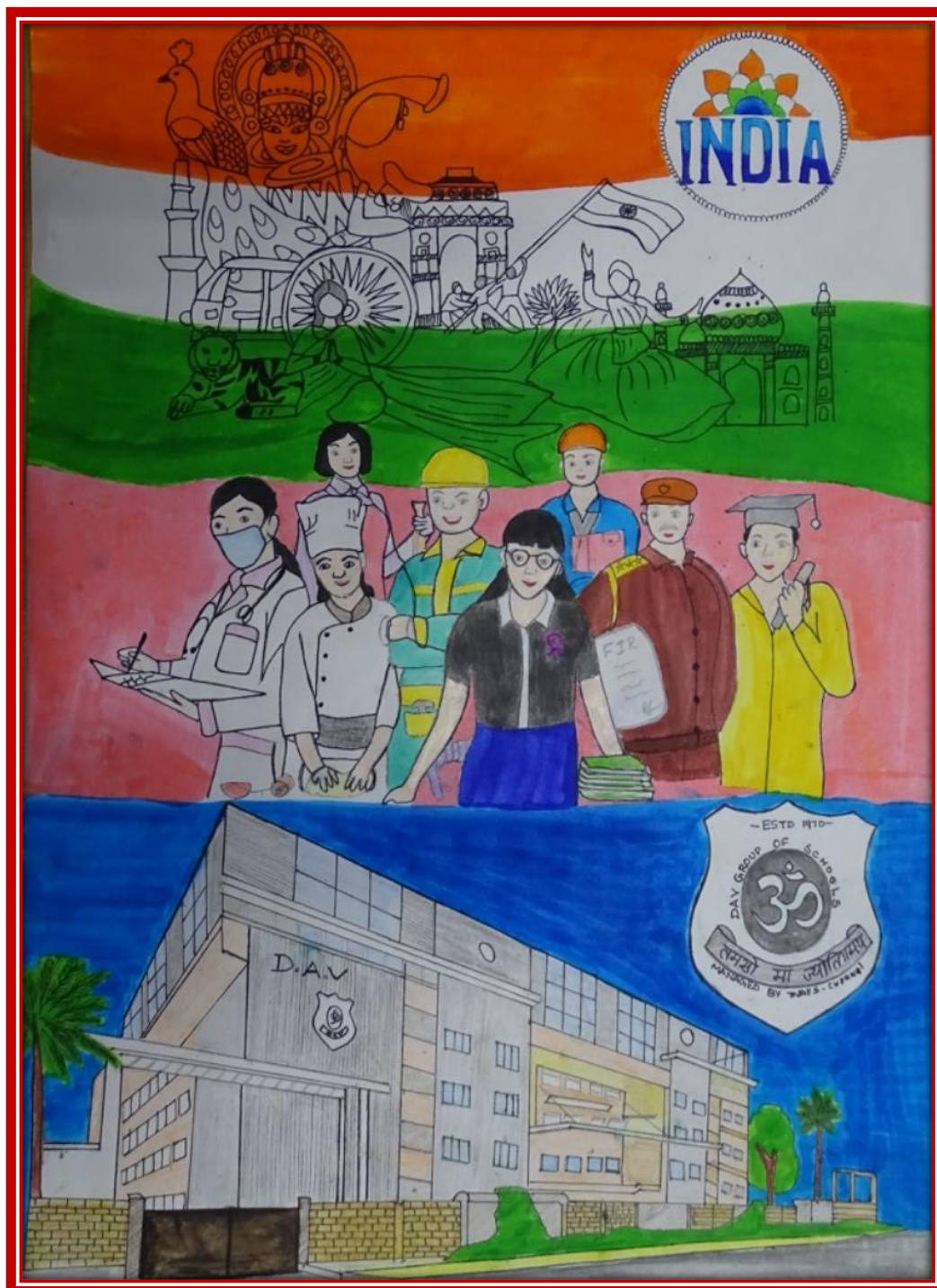


D.A.V. MATRICULATION HIGHER SECONDARY SCHOOL

Gill Nagar, Chennai – 600094



DARPAN 2024-2025



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2024-2025

D.A.V. MATRICULATION HIGHER SECONDARY SCHOOL

Gill Nagar, Chennai – 600094



DARPAN

2024 – 2025

VOLUME XXV



TEN PRINCIPLES OF ARYA SAMAJ

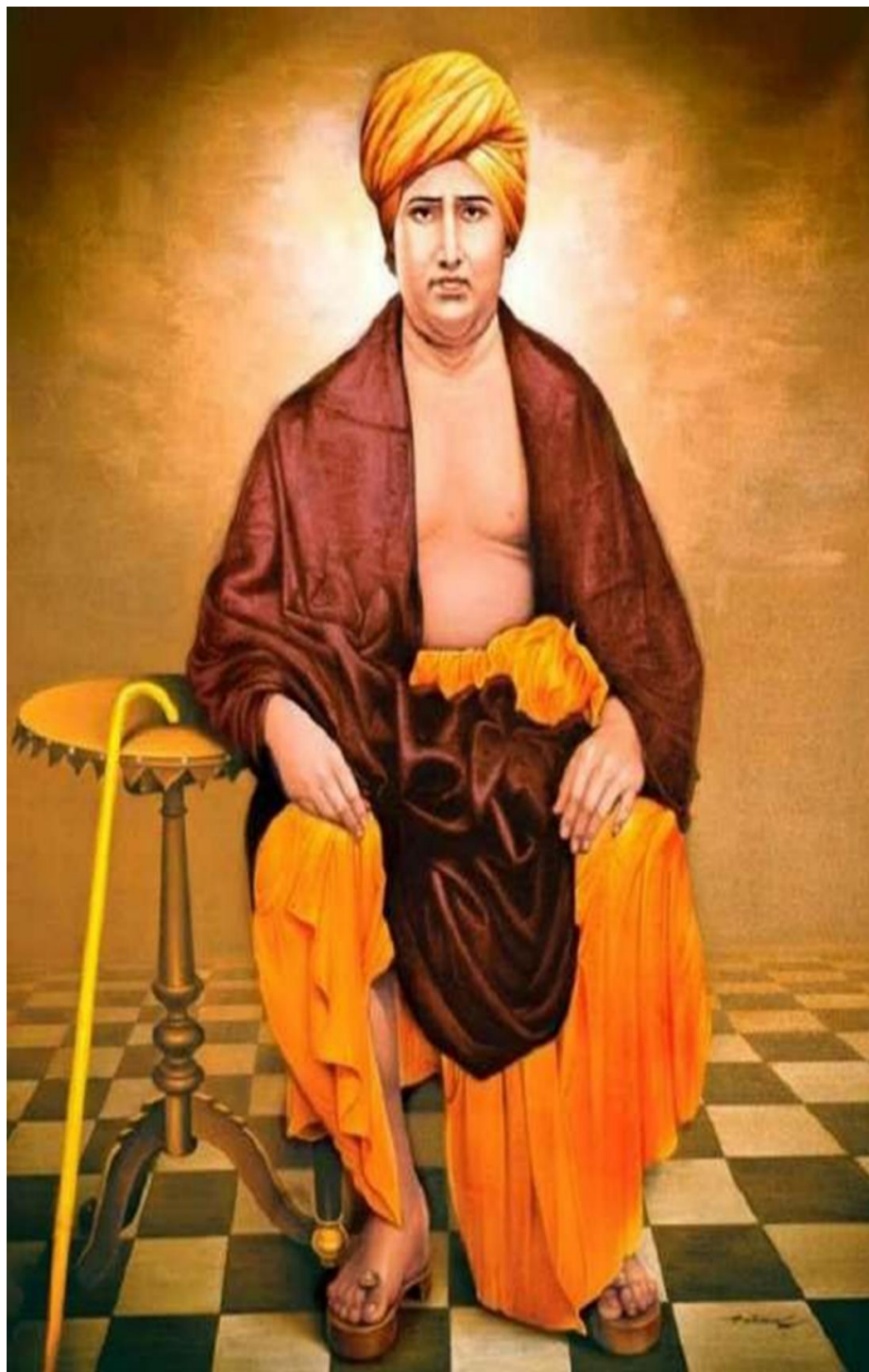


1. God is the Primary cause of all true knowledge and of everything known by its means.
2. God is all Truth, all Knowledge, all Beatitude, Incorporeal, Almighty, Just, Merciful, Unbegotten, Infinite, Unchangeable, Incomparable, Beginningless, the Support and the Lord of all, All-pervading, Omniscient, Imperishable, Immortal, Exempt from fear, Eternal, Holy and the cause of the Universe. To God alone, worship is due.
3. The Vedas are the scriptures of true knowledge and it is the paramount duty of every Arya to read or hear them read; to teach and preach them to others.
4. One should always be ready to accept truth and renounce untruth.
5. All actions ought to be done conformably to virtue after a thorough consideration of right and wrong.
6. The primary object of the Samaj is to do well to the world by improving the physical, spiritual and social conditions of mankind.
7. All ought to be treated with love, justice and due regard to their merits.
8. Ignorance ought to be dispelled and knowledge diffused.
9. None ought to be contented with his own good alone; but everyone ought to regard his prosperity as included in that of others.
10. In matters which affect the general social well - being of the Samaj, one ought to discard all differences and not allow his individuality to interfere; but in strictly personal matters every one may act with freedom.





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SECRETARY'S INDEPENDENCE DAY SPEECH 2023-2024

Gentle elephant making giant strides

Respected Commandant P Chandramouli Chief Staff Officer (Aviation), Headquarters, Coast Guard Region (East), Principal, Headmistress, respected faculty members, supporting staff, parents and students,

A very warm Namaste to all of you.

My wishes to you on this wonderful occasion of our 77th Independence Day. It gives me great joy to address you on this occasion. This is also a moment of pride for all of us. Among the countries in this region that secured independence around the same time, we have done ourselves proud by keeping intact our core institutions of judiciary, parliament and executive - shining examples of world largest democracy.

There is a lot to pride ourselves on as Indians. For a long time, and quite rightly too, we, as a nation, have been talking about more than ten thousand years of recorded and uninterrupted civilisation, our cultural heritage, diversity in languages, cuisine, monuments, flora & fauna, the most ancient body of knowledge – four Vedas, and many more. We will continue to talk about these aspects across generations, because that binds us emotionally, culturally and spiritually as a nation.

But, today, I wish to draw your attention to something interesting; something that should give us great sense of pride. I am talking about outstanding achievements and attainment of great milestones in spheres that have a positive macroeconomic effect on this great nation. We, as a modern democratic welfare state have been making giant strides in some sectors steadily worthy of emulation by others. Let me list them in brief.

We will start with poverty elimination and reduction. According to a UDNP (United Nations Development Programme) report, 41.5 crore Indians have exited the poverty line. What does that number 41.5 crores represent? The combined population of some

170 plus countries of the world! Or, 1.25 times the population of USA, the third largest country in the world!! Isn't that an astounding number? And this isn't just money related poverty. We are talking about multi-dimensional poverty: access to nutritional food, clean drinking water, cooking fuel and housing. In the last 10 plus years, nutrition depravity has declined from 44 % to less than 10%, lack of access to drinking water has come down from 16% to 3%, percentage of population without safe and stable housing from 44% to 14% and percentage of population without access to proper cooking fuel from 53% to 13%! These are four major parameters. Imagine the money, resources, planning, logistics and effort needed to achieve the humungous task. My salute to the government!

The second sector where India has become a world beater is in the domain of digital transactions. You must have seen your parents making digital payments to roadside flower vendors and people who sell tender coconuts on pushcarts. With more than 9 crore transactions per annum, India is making more digital transactions than the next four top countries – Brazil, China, Thailand & South Korea - put together. How does this help the country? This cuts down black money, helps increase savings for the poor and by reducing wear and tear of physical currency, the government saves the cost of printing new notes to replace old ones. Added to this is the obvious advantage of safety. People don't have to carry hard currency and risk losing it out of carelessness or theft.

The third sector where we have made great leaps is in transport: airways, surface transport – that is roadways and railways – and waterways. From 68 operational airports in 2013-14, we now have 148 operational airports and we have a target of 220 airports by 2025. These are just passenger airports, not counting the military bases. However, matter of greater pride isn't just the airport and air services but roads and highways. In just 9 years, we have increased our highway lengths by a whopping 59%, i.e. from 91,000 kms in 2014 to 1,45,000 kms of highways now. This highway network makes India the second largest (and longest) after USA. That is just the segment of highways. Let's look at something broader here. USA is three times the size of India.

While USA has 6.83 lakh kilometres of roads, India has on date, laid 6.70 lakh kilometres of road. Nothing works better for good economics and free flow of people and goods than a well-connected country. The numbers that I gave you are a clear indication of a very healthy state of affairs that would pave way for decades of sustained economic growth and prosperity for all.

We had a look at three sectors that have a direct impact on every household, every family and individual: personal comforts, ease of transport and smooth commercial transactions. But on top of all these, the society needs safety and security of life and property. As a nation that has land borders with hostile neighbours in the West, North and part of the North East, the country's defences are of utmost importance. We do have a well-trained Army, Navy and Air force. But for long, we have been dependent on other countries –Russia, USA, France, UK and Germany for arms, weaponry etc., But over a period of years, we have started building our own submarines, aircraft carrying ships etc., The country has now launched a focussed programme to achieve higher self-sufficiency in defence production and has been encouraging both government owned units and private industry to develop Research & Development centres and manufacturing plants to produce modern weaponry. Our defence production is now worth Rupees 1,00,000 crore (one lakh crore- or simply put one trillion Rupees) and we export Rs 16,000 crores worth of military equipment to other countries. From exports worth 1,000 crores seven years ago, we are now exporting 16 times that value.

We do have a lot to talk about as our achievements: excellence in chosen fields of sports, being among the top 5 countries in space research & development, an indigenously developed nuclear power and perhaps a nation with the largest professional force and so on. My attempt this morning was just to highlight the less talked about spheres and spheres where the achievements during the last decade have been phenomenal.

Given such a wonderful platform to launch ourselves from, we, as responsible and participatory citizens, should leverage the same and do well not just for the country and the society that we live in but also for ourselves and our families and friends.

My wishes to you again on this great occasion!

JAI HIND!





SECRETARY'S REPUBLIC DAY SPEECH 26th JAN- 2024

Greetings to all on the 75th Republic day of Bharat.

Only a few days ago, our nation witnessed a historic event – the grand opening of the Ram Mandir at Ayodhya by our Honorable Prime Minister Shri Narendra Modi. This event brings back to focus the ideals that ‘MaryadaPurushottam’ Shri Ram stood for. He led an exemplary life, performing all his duties, treading the path of Dharma. On the Republic day which marks the momentous occasion when the Constitution of India came into effect in 1950, it is apt to reiterate that the original document of the Constitution has a beautiful sketch of Shri Ram at the beginning of the chapter related to Fundamental Rights. Shri Ram will indeed remain an iconic inspiration for generations to come.

In a couple of months from now, we as a nation will be participating and celebrating yet another significant event – the biggest festival of Democracy. Yes, the stage is almost set for a riveting electoral spectacle – The General Elections 2024. Having declared ourselves a democratic republic, the general elections conducted by the independent body – The Election Commission of India, provides the sacred opportunity to every Indian above the age of 18 to take part in the ‘Yajna’ of nation building.

Looking back to our civilizational heritage, democracy has a long and deep-rooted history in India. Yes, democratic principles are not new to the Indian Sub-Continent. In the ancient concept of democracy, the relationship between the ruler and the ruled has been considered similar to that of a father and progeny. The concept of Dharma is crucial – that includes the duties of both the king (*Rajya Dharma*) and the people

(*Praja Dharma*). The core democratic values emphasized were harmony, freedom, acceptability, equality, and inclusivity.

The four Vedas include an all-embracing civilizational value system that include political, social and educational principles. The *Rig Veda* and *Atharva Veda* mention representative bodies like *Sabha*, *Samiti* and *Sansad* – terms still in use today.

The Ramayana emphasizes governance for people's welfare. The Mahabharata highlights Dharma, speaks about ethics, morality and governance that are notable in Bhishma's advice to *Yudhishtira* on the battle field and the *Bhagawad Gita*, offers timeless guidance of duty.

Since Independence, with numerous amendments, the constitution of India has evolved to echo the will of the people, while embracing inclusivity in a three-tier system of Union, State and Local Self-government.

India has experienced 17 National Elections, 400 plus State Elections and over a million local self-government elections since Independence. Having inherited such an inspirational democratic heritage, we need to understand that the General Elections are not a mere political fan-fare for the political parties to show case their money and muscle power.

The trend over last few decades seems to be that in the garb of an election manifesto, the political parties are keen to outsmart each other promising freebies, waivers, reservation, privileges and benefits to selective sections of society, thus playing divisive politics exploiting the differences that have been driven into our society by the colonial masters. Votes are sought largely on basis of caste & religion and the gullible voters fall into the well laid out trap.

Also, the voters are often swept away by the plethora of freebies – free cooker, free grinder, free mixie, free TV, free mobile and often wads of notes on the night just before the elections. My dear children, let us resolve not to sell our conscience, our Aatma, our soul and our country for such petty things. Remember, the sacrifice made by our great freedom fighters – they gave every drop of their blood to help us responsibly self-govern ourselves. And every time we see someone enticing us with these freebies, close your eyes and visualize the 23-year old Bhagat Singh, a DAV alumnus and follower of Arya Samaj, who willingly laid down his life for Bharat Mata. Imagine the tears in his mother's eyes to see her son sleep forever, only to serve the country.

My dear children, always take into consideration the merits and demerits of the candidates in fray, their party's plan of action on key issues like national security, economic development, a merit-based system of appointments, thus truly promoting the welfare of the nation and its people above all.

In the past decade, our nation has seen a phenomenal and unprecedented growth in almost all spheres – infrastructure, economy, space technology, electrification of railways, excellence in sports, defense upgradation – you name it, we have done it. A metamorphosis in the real sense.

Thus, for every Indian citizen above the age of 18, casting his or her vote cannot and should not be reduced to a mundane ritual. Nor is the election day a holiday to wake up late and go about one's daily chores. On the other hand, casting one's vote is a sacred duty that we have inherited from the fore-fathers of this great civilization simply by the virtue of being born in this great nation.

Through this message, it is my earnest appeal to the students of the DAV Group that You take a '**Dhridha Sankalp**' on this Republic Day to urge your parents, relatives,

elder brothers and sisters, extended family to go out on the election day and carry out their sacrosanct duty of casting their invaluable vote.

And as they perform the ‘**Yajna**’, let them firmly resolve to put the Nation and its interest above all. We should not get divided amongst ourselves. Cutting across castes & religions we should take a resolve that “**The safety, honor and welfare of our country come first, always and every time**”

India’s progress and vision are grounded in the collective strengths of its people, the power of collaboration, consensus and unity to overcome challenges. Let us draw inspiration from the resilience of our democracy and collective spirit that binds us together as we march towards a brighter future.

Sab Ka Sath – Sab Ka Vikas | Jai Hind





MESSAGE FROM THE PRINCIPAL'S DESK



Shri. Ramana Velavan V. M.Sc., M.Ed.

“Embracing Deeper, Further, Higher - Striving for a Brighter future.”

Our school has always been a beacon of excellence, and I am committed to ensuring that we continue to shine bright. Our focus on academic vigour and innovation will remain unwavering. We continue to implement cutting-edge teaching methods, leveraging technology to enhance learning experiences. Our dedicated faculty strives to create an engaging and inclusive environment, fostering Vedic values, promoting growth and development in every student.

The well-being of our students is paramount. We prioritize mental health support, providing resources and guidance to ensure our young minds thrive. Our counselling services are always available, offering a safe and confidential space for students to share their concerns. We believe that education extends beyond the classroom.

We continue to build rapport with local organizations, providing opportunities for community services such as Seva Maithri, recycling milk bags, promoting natural farming through traditional and indigenous methods.

Our students are encouraged to become active citizens, making a positive impact on the world around them. We have launched several innovative initiatives, including:

- ❖ A STEM LAB and Makers Lab featuring hands-on projects and collaborations with industry experts.
- ❖ A Happy Reading literacy program, focusing on diverse perspectives and inclusive storytelling.
- ❖ Khoji Box Science Kit IIT.
- ❖ Prithvi Vandanam.
- ❖ Project Based Learning.
- ❖ Edu-Rishi Science E-content.
- ❖ Health and Wellness - A Medical Guidance & Counselling program, promoting healthy habits and stress management.

I wish to express my heartfelt gratitude to our entire school community. Your tireless efforts, unwavering support, and commitment to excellence make our school a truly special place. I am honoured to serve as your principal and look forward to working together to create a brighter future for all.

Let's make it happen!

Jai Hind!





ANNUAL REPORT

Swami Dayanand Saraswati believed that education should be a tool for empowering individuals and uplifting the society. He advocated for education that is accessible to all, irrespective of caste, creed or gender. Following his teachings, D.A.V. group of schools promote a holistic approach to education, including the intellectual, physical, moral, and spiritual development of students. It is indeed a moment of pride for me, to stand here, on the occasion of the 26th Annual Day celebration, to extend a warm welcome to our distinguished Chief Guest Shri. D. Suresh, fondly known as Solar Suresh, a post graduate in Management from IIM Ahmedabad, Engineering from IIT Madras, President of Arya Samaj Educational Society Shri. Vinay C. Parikh, President Shri Ravee Malhotra, Vice President Smt. Parmila Gauhar and Shri J. Rajiv Choudhry, Honorary Secretary-D.A.V. Group of Schools, Chennai, Shri Vikas Arya, Convenor of D.A.V. Mat. Hr. Sec. School, Gill Nagar, Smt. Poonam Anand, Members of the Management, Principals, Head Mistresses of DAV Group of Schools, Teachers, Alumni invitees, Parents and Students.

On this 26th Annual day celebration, looking at our journey in serving the cause of education, we feel elated to recall that in 1999, the school which first came up with class XI, comprising of 123 students has now grown into a full-fledged school from L.K.G to standard XII.

The school reopened on 10th June 2024, with a strength of 1119 students and 50 teaching, 3 office staff and 16 supporting staff. The year 2024 commenced on a wonderful note when the results of the State Board Examination for classes 10, 11 and 12 were announced. Our academic achievements reflect the students' diligence and teachers' arduous efforts.

We are happy to share the details of the commendable performance of our students.

Academic Results 2023-24 (Class XII)

102 students appeared for the class XII Board examination in March 2024.

Keerthana A of XII B secured first position with an incredible score of 586/ 600 in Science group. 📷

Yashwanth N of XII A secured second position with an impressive score of 571/ 600 in Science group. 📷

Bavathaarani R of XII A secured third position with a commendable score of 560/ 600 in Science group. 📷

Rishikanth S and Trisanth M P of XII C secured first position with an extra ordinary score of 592/ 600 in Commerce group. 📷

Varshaa Sri P of XII C secured second position with a remarkable score of 579/ 600 in Commerce group. 📷

Krishiv M of XII C secured third position with an impressive score of 566/ 600 in Commerce group. 📷

A bird's view of the Subject Average

Subject	No. Appeared	Above 90%	Average
Tamil	63	18	76.68
Sanskrit	39	13	85.49
English	102	15	77.54
Physics	84	10	71.21
Chemistry	84	25	80.59
Mathematics	84	13	71.29
Biology	30	7	83.83
Computer Science	54	47	91.4
Economics	18	9	87.94
Commerce	18	15	93.72
Accountancy	18	14	92.33
Business Maths	18	7	83.43

This year we had 11 centums in Computer Science, 2 in Accountancy, 6 in Commerce, 2 in Economics and 2 in Business Mathematics. 📷

All students graduated with flying colours and joined various institutions, as follows.

Government Medical College	2
Private Medical College	5
Anna University (Guindy Campus)	10
Anna University affiliated colleges	20
Deemed / Private Engineering colleges	43
Journalism	1
Agriculture	1
Arts, Science and other courses	15
NEET Repeaters	5

Class XI:

127 students appeared for the class XI Board Examination in March 2024.

Harini M of XI A secured first position with a phenomenal score of 589/ 600 in Science group. 📷

Shwetha V of XI B secured second position with a admirable score of 584/ 600 in Science group. 📷

Jananii M of XI B secured third position with a stellar score of 580/ 600 in Science group. 📷


Deepika M of XI C secured first position with a remarkable score of 585/ 600 in Commerce group. 📷

Niveditaa L R of XI C secured second position with a impressive score of 579/ 600 in Commerce group. 📷

Keerthana R of XI C secured third position with a admirable score of 574/600 in Commerce group. 📷


Subject	No. Appeared	Above 90%	Average
Tamil	78	5	66
Sanskrit	49	10	77.45
English	127	32	80.46
Physics	93	28	76.65
Chemistry	93	22	75.00
Mathematics	93	15	67.40
Biology	24	6	76.00
Computer Science	69	52	92.00
Economics	34	12	77.02
Commerce	34	20	87.14
Accountancy	34	16	86.85
Business Maths	34	7	68.76

Centums:


We are happy to highlight that we had 7 centums in Computer Science, 2 in Economics and Accountancy each, and 1 in Commerce. 

Class X – Board examination results:

110 students appeared for the Class X Board Examination in April 2024.

Kaviya Sri D of X C secured the first position with a majestic total of 494/500, Yashini Shree M and Pragadeesh Muthu S of X C stood second by scoring an impressive score of 490/500 and Arjun Nachiappan of X A secured third position with a commendable score of 487 /500. 


Centums In Class X:


It's a pleasure to highlight that 16 of our students scored centum in Mathematics, 4 in Science and 1 in Social Science. 

Subject	Above 90%	Average
Tamil	32	79.00
English	53	87.18
Mathematics	73	89.24
Science	57	86.05
Social Science	36	77.88


Gill Nagar Chronicle 2023-2024

The academic year began on 12th June 2023 for classes VI to XII, and on 14th June 2023 for classes LKG to V. The school reopened for Teachers and Staff on 1st June 2023. A variety of in-house workshops were conducted for the teachers to enhance their skill.

The Festival of Expression held on 17th June 2023 was an exuberant celebration of creativity, talent, and cultural diversity within our school community. This annual event serves as a platform for students to showcase their artistic abilities, linguistic prowess, and cultural heritage through a variety of performances and presentations. The Festival of Expression not only showcased the diverse talents of our students but also encouraged collaboration, confidence-building, and mutual respect within our school community. It served as a reminder of the importance of nurturing creativity and providing platforms for students to express themselves freely. 


Celebrating the spirit of health and harmony, we at D.A.V. joyfully commemorated the **International Yoga Day on 21st June 2023** at the fourth-floor prayer hall along with special Havan. Classes VI & VII took part in it. The International Yoga Day celebrations at our School, exemplified our commitment to nurturing healthy lifestyles and promoting inner peace among our school community. 


International Music Day was also celebrated on the same day with students' melodious voices reverberating in the school campus. Music helps in better learning for many individuals.


On 23rd June 2023, a lecture on the dynamic career opportunities offered by the Indian Coast Guard was given by Shri N. Somasundaram, Commandant, Office In charge, Indian Coast Guard for classes IX to XII at the Prayer Hall. It was aimed to shed light on the diverse roles, challenges, and rewarding experiences awaiting aspiring individuals in this esteemed Indian maritime organization. The students actively interacted gaining a lot of information. 


On 6th July 2023, Smt. Jyothi, from Head Office, conducted a Career Counselling programme for Classes IX and XII focusing on the topics Sports Medicine, Speech & Audio Pathology. Sports Medicine is a specialized field focused on the prevention, diagnosis, treatment, and rehabilitation of sports-related injuries. Speech and Audio Pathology focuses on diagnosing and treating communication disorders, including speech, language, and hearing impairments. Insight was given to students on how these fields offer rewarding career opportunities with the potential for growth and impact on individuals' lives.


On 8th July 2023, Plastic Free Week was organized by D.A.V. Kala Kendram, for the students of classes VI to VIII. It is an initiative dedicated to raising awareness about the environmental impact of plastic pollution and encouraging individuals and communities to reduce their plastic usage. On this day, students were encouraged to avoid using single-use plastics and explore sustainable alternatives. Plastic Free Day is an opportunity for all of us to reflect on our plastic consumption and make conscious choices that benefit the environment.

On 5th July 2023, Varshaarambh was celebrated for classes VI to XII. Varshaarambh, meaning "the beginning of the year" in Sanskrit, is a traditional practice where students make resolutions at the start of the academic year. It is a time for setting goals, reflecting on past achievements, and planning for personal and academic growth. This practice helps students begin the year with a positive mindset and a clear vision for their aspirations. 


On July 15th 2023, our school celebrated the birthday of Shri K. Kamaraj, which is also celebrated as Educational Development Day. This esteemed freedom fighter and former Chief Minister of Tamil Nadu, played a significant role in the development of education in India. The event was organized to honor his contributions and educate students about his legacy. 

Our Annual Sports Meet was held on 2nd & 3rd August 2023 at Jawaharlal Nehru Stadium along with the Mogappair Cluster Schools. The Chief Guest of the day was Dr. T. Maran, Indian Badminton Coach. Ms. S. Sri Reshma, D.A.V. Alumna was the Guest of Honour. The day started off with the Olympic Torch Lighting ceremony, followed by the march past of all four houses. After the march past, the students of the four different houses competed against each other in sports events like relay races, 100 m race, 200 m race, long jump, and high jump. The Overall Trophy as well as the Best March-past Award was bagged by Kaveri House. 

On 6th August 2023, our school hosted a D.A.V. Alumni Reunion – Sangam 2023, to reconnect with former students and honor their achievements. The event aimed to strengthen the bond between alumni and the current school community, fostering a sense of pride and belonging. An alumni reunion is more than just a gathering; it is a celebration of shared history, achievements, and the bonds formed during school years. It is an occasion to reflect on the past, appreciate the present, and look forward to the future 

On 7th August 2023, an awareness program on “Drug Abuse” for classes IX to XII was conducted by the Inspector of Police, Choolaimedu. It was aimed to sensitize the student community on the harmful effects of drugs and alcohol addiction. 


On 6th August 2023, Colours of Glory Foundation, Chennai and the Russian Centre of Science & Culture, Chennai conducted “Military History Quiz”, wherein 6 students of class X cleared the preliminary round and 2 students qualified for the final among the top 10 highest scoring teams. A total of 130 teams participated from various schools of Chennai city. Each student was awarded a cash prize of Rs.500/- each for reaching this level.

On 15th August 2023, our School observed the Independence Day with dignity and honour. The ceremony started at 7 am in the Primary school premises with many students, parents, and teachers attending. Our Convenor Shri Yogesh Kalia was the Chief Guest of the event. Shri P Chandramouli, Commandant, Indian Coastal Guard - East, was the Chief Guest. Our School organised various activities to nurture patriotism, including flag hoisting, cultural dances, speeches, and songs with patriotic fervor. 


On 17th August 2023, as a part of the learning process, the English Dept. arranged 2 lectures on “Mental Health & Wellness” and “The Art of Dreaming Big”. Smt. Dhvani Dagliya, a Clinical Psychologist and Dance Movement Therapist from Pune addressed the students of classes VI to VIII on Mental Health and Wellness. She shed light on Dance Movement also being a form of therapy and an upcoming career field. Shri Kalpesh Dagliya, a successful businessman and entrepreneur of three successful ventures addressed the students of classes IX & X on “The Art of Dreaming Big.” He spoke on doing the ground work to become a successful entrepreneur.


An Annual Art Competition organized by a South Korean Organization on 6th September 2023 for classes UKG to VII, was on the topic “Rejuvenate the Oceans.” The event created an awareness on the increase of pollution in the oceans by mankind. It showcased the immense talent and creativity of our students across various age groups. Out of 70 participants from our school, 22 students were selected


for the Inter National Exhibition, 2 of our students Hemashri. B and Laksita C of Class VII B received the Excellence award. Jananya S and Amirtha A of VII A won the Ocean Rangers award.


We at DAV Matric Gill Nagar celebrated **the 25th Annual Day on 9th Sept. 2023, at Anna Centenary Auditorium.** This Silver Jubilee celebration was a grand one highlighting the year's achievements and talents of our students. The event was marked by a series of brilliant performances, electrifying speeches, and giving away of numerous awards, glorifying the diverse capabilities and accomplishments of our students. The event was graced by our alumna cum Chief Guest, Dr. Gautham Krishnamurthy, a reputed Surgical Gastro-entomologist at Kauvery Hospital. His inspiring speech motivated the students and enriched the occasion. The cultural activities included Invocation dance, toddlers dance, singing, drama, mime, skit, etc., focusing on the theme “Ved Jyothi.” The event was a huge success, with over 500 students and parents in attendance. The performances were entertaining and appreciated well by the audience. Convenor Shri Yogesh Kalia, Smt. Mamta Kalia, Director of Academics & Innovations Smt. Shanthi Asokan, Principals Smt. Radha Venkatesan & Smt. Bhuvaneshwari, and Head- Kala Kendram Smt. Aarthi graced the occasion. 

The II Deiva Pulavar Thiruvalluvar Volleyball Tournament and the I Inter D.A.V. Staff Throwball Tournament conducted by D.A.V. Krida Kendram on 22nd September and 23rd September was a tremendous success, showcasing the athleticism, teamwork, and sportsmanship of our participants. This year's tournament saw students from all branches of our D.A.V. group participate in large numbers. The teams were well-balanced, with each showcasing a blend of experienced players and emerging talent. The high level of participation reflects the growing interest in volleyball among our students and the emphasis we place on physical education and team sports. Our school boys' team won the first place in the 9 to 12


category, but our girls won the first place in the first two categories and runners up in the 9 to 12 categories. 

From **21st September to 24th September 2023**, six students from **Class IX** along with our Science Teacher **Smt. Geetha Prabhu Chandhar**, attended a **Science Work shop at DAV Boys School, Gopalapuram**. This workshop aimed at learning science through 5 senses. It was a very interactive and informative workshop where students did investigatory projects through innovative methods. They were mentored by resource persons from Jnana Probodhini, Pune. 

Raising a Mathematician (RAM) Foundation & D.A.V. group of Schools jointly conducted an All-Tamil Nadu Maths Teachers' Training Programme-RAM (DAV) TTP 2023 from 28th September to 2nd October 2023. Maths Teachers Sri. K. Ramesh, Smt. Sreela Sreedharan, and Smt. Rajeswari. V attended the programme to enhance their teaching skills and learn the latest techniques. 


The educational tour undertaken by our students this year to Trivandrum and Wayanad was an enriching experience that combined learning with exploration. **72 girls from classes IX to XII were taken to Trivandrum (14th October 2023 to 18th October 2023)** along with 6 teachers and 2 attenders. They visited Trivandrum Zoo, Art Gallery, Snake Park, National History Museum, Vikram Sarabhai Space Centre, Padmanabha Swami Temple & Priyadarshini Planetarium Show. **96 boys were taken to Wayanad (15th October 2023 to 19th October 2023)** along with 6 teachers and 2 attenders. They visited Edakkal Cave, Muthanga Wild Life Sanctuary, Banasura Sagar Dam, Regional Science Centre & Planetarium. It was meticulously planned to offer students a practical understanding of the concepts they study in the classroom while exposing them to new environments and cultural experiences. 


Dr Raj Vedam, Director, Arsha Vidya Satsanga, conducted a teacher training workshop at DAV HO on a multi-disciplinary approach to the Study of History, on 14th October 2023, which was attended by Smt. S Bharathi, Smt. Manju Giri, and Smt. V Saraswathy.

An educational trip to Kuppam for class 9 boys was arranged from 19th October to 22nd October 2023. Sri K Ramesh and Sri M Anandhan accompanied them. This trip was to Agastya Foundation, an educational institution which borders 3 states, Tamil Nadu, Andhra Pradesh, and Karnataka; hence the faculty was well versed in all 3 state languages. The students were made aware of abolishing plastic use and taking up alternative eco-friendly measures. They had various activities with hands on experience on studying the human brain, Maths and art activities. The students thoroughly enjoyed all the activities, hospitality, stay and the climate. 

Curiokidz and Kalasalingam Innovation Foundation conducted a webinar on the topic ‘Journey into the world of IOT/Internet of Things on 21st October, in which 11 students of class X participated and received an e-certificate. It showcased automating things around us with the help of Aurdino-UNO, a software which automates gadgets working on electricity.


India hosted the **G20 Summit in Sept.2023** and expanded by the inclusion of African Union, the first inclusion since 1999, evolving an agenda addressing climate change. To sensitize and create awareness among students on G20 and their agenda **Y20 Outreach Programme was conducted on 28th October 2023.** Students of class VIII and IX conducted a play titled ‘The Precious Thing’ focusing on Water as a precious thing and 3 seminars focusing on Climate Change & Disaster Risk Reduction were held by Yashini and Sai Saranya of X C, Rohan D, Balaji B of X A, Anirud A and Shri Kushal Holla of X B.


Inter-DAV Music Competition – Pratidhvani 2023 was held on 10th November 2023 at the Primary Wing auditorium. Smt Aarthi, Head-Kala Kendram, Creative Arts Academy of DAV Group of Schools, alumni, parents, and HO staff attended the event. Wonderful performances were seen from a huge number of participants. Everyone thoroughly enjoyed the event. Our school won 2nd prize in Musical Band which comprised of students from class VI to XI; 3rd prize in Accapella group singing comprising students from class IX to XI; and Kanusshi B of VII B won the 3rd prize in solo singing. 

State Level Traditional Dance Competition-Nrityotsav 2023 was conducted by D.A.V. Kala Kendram for the first time on 25th November 2023 at D.A.V. Pallikaranai. About 17 schools from all parts of Tamil Nadu took part in it. The competition comprised of 2 categories, Group dance and Adaptune. Our students Thilakshana A of 11C, Harshini S of 9A, Arshita A, Kashika A of 9B, Anika R, Maansi K of 8A, Harshini B, Geetika V of 7A, Hanshika R of 7B, won the first prize in Group dance among 17 schools. Kashika A of 9B and Harshini S of 9A bagged the first prize in Adaptune. 


D.A.V. Kala Kendram conducted the 2nd edition of the Festival of Expression for classes 3 to 10 on 30th November 2023. All students participated in more than one item displaying great skill and talent in a wide range of subjects.

Our boys' team of Football U19, Volleyball U19, Volleyball U17 were the winners at the zonal level and the Football team were the runners up at the Inter DAV competition II and were given prizes on 2nd December 2023. Our Volleyball girls' team was the winner in U14, U17, U19 and the U14 team was placed 3rd at District Level.

Interhouse Maths Quiz was held for classes VI to VIII on 2nd December 2023. Narmada House won the finals with 53 points. Such activities promote quick thinking and develops mental maths. 


Mahakavi Subramani Bharathiar's 141st birthday was celebrated by the students of classes 6 to 8 on 11th December 2023. A skit was performed and his famous poems were recited by students thus keeping his work alive and making the young generation aware of our famous poets. 


A Career Guidance session was held for class X on 2nd January 2024 to discuss 'What is the next step after class 10?' making them think and explore various avenues to take up a good career.


A group of students of class IX & X attended a **Weekend Adventure Camp at D.A.V. AKT DSPA, Kallakurichi on 6th & 7th January 2024** accompanied by Smt Manju Giri & Sri V Karthik to get a feel of a career in the armed forces. They were given theoretical classes and practical tasks along with obstacle race. Many students showed keen interest in joining this course. 


On 7th January 2024 Blood donation camp was conducted in the Primary Wing from 10 to 3 pm by D.A.V. Arya Samaj Foundation in collaboration with TTK VHS Blood Bank and Rotary Central. Our Secretary Sir, Shri Vikas Arya, Principal, Shri V Ramana Velavan, Headmistress Smt Meenakshi Radhakrishnan, many teachers and parents donated blood. 

Inter house Science Quiz was held on 8th January 2024 for classes VI to VIII. 


On 12th January 2024, 'Mathru Pitru Vandana' was conducted for the parents of students of class 7 at the Higher Secondary auditorium. Students performed 'Pada Pooja' for their parents' feet and sought their blessings. The program comprised of solo songs, group songs, magic show, talk show and dance by the students. 


On 12th January 2024, 'National Youth Day' which is Swami Vivekananda's Birthday was celebrated by classes VI to VIII. Students dressed as Swami Vivekananda and gave his famous speech as well as spoke about his life. This made children aware of our great orators and patriotic leaders. 


On 13th January 2024 Inter house 'Story Telling Competition' for classes VI to VIII was conducted by the English Department. Shaili Srinithi S of VIII B won the first place. Second place was secured by Siva Suriya M of VI A and the third place by Dikshetha R of VII A. 


On 19th January 2024 'Gayatri Maha Yajna was organized by Arya Samaj Foundation, Chennai for 3 days. On 21st January 2024, Agnihotra, Inauguration of Maharishi Dayanand Saraswati Auditorium at DAV Girls Gopalapuram, was followed by a discourse by a guest speaker Swami Vivekanandji 


On 19th January 2024, students of classes VI to VIII took part in various competitions held in 'Sandipani School', Chennai. Nehasri and Hashwatha of 7A won II place in 'Space décor' and Kavishri won I place in face painting, Harshini of 9A won III place in Solo dance competition.


On 20th January 2024, ‘Shri Jaidev Memorial Inter School II Thirukural and Vedic Chanting competition’ was held where Faazila Safrin M A and Thamizh Arasan M of VIII B won the 1st and 2nd prize respectively in the VI to IX categories. 


On 20th January 2024, ‘Interhouse II Veera Mangai Velunachiyar Silambam Competition’ was held in the Primary Wing at 3.30 pm. where Yudhish S of XII C won the 2nd place in Single stick & Thodumurai; Pravin Kumar P of X A won the 1st prize in the IX to XII category in Thodumurai while Jayasurya T of V A won the 2nd prize in Thodumurai in the V to VI category. 

On 26th January 2024, the 75th Republic Day was celebrated in the Higher Secondary Wing with great enthusiasm and patriotism. Shri U Vadamalai, Junior Commissioned Officer, 12th Battalion, The Madras Regiment was the Chief Guest and Shri Yogesh Kalia, Convenor of our school was the Guest of Honour. Patriotic songs, colourful dances and inspiring plays were performed with a lot of parents and students attending the event. 

More than 20 students of class IX were taken to the Republic Day function at the RMYC or Royal Madras Yacht Club by Smt Lalitha and Smt Geetha Prabuchandhar. After flag hoisting the students were taken on a small boat and then shifted to a yacht for a 15-minute ride. They got first-hand experience of how a boat works and how to sail with the help of a sail. It invoked a keen desire for sailing in many students and for a career in the marine works. 

“Science Exhibition” by students of classes VI to VIII was held displaying their skills on 27th January 2024. Many working models and projects were displayed with very good demonstration given by students. 


“Rangotsav 2023-24”, an art competition, which is a creative platform for students, parents, staff, and alumni of DAV Group of Schools, was conducted on 3rd February 2024 at DAV Girls School, Gopalapuram with the theme “Nostalgia-the good old days”. There was a huge number of participants where Jananya S of VI A got the third prize in the third category. 

On 9th February 2024, students of Classes VI to VIII were taken on a one-day educational trip to Mahabalipuram. Around 230 students, 11 teachers, 4 attenders set off at 8.30 am, visiting the Five Rathas, Krishna’s Butter Ball, Shore Temple, etc., and returned at 5.30 pm. All the students had gained a lot of information from that visit 


On 10th February 2024, Adhithvi of class III participated in “India Book of Records - 2023” and made a record for reading the maximum number of reversed English and Tamil words.


Counselling sessions were conducted for both parents and students by Smt Jothi Kolathur, a psychologist from HO, for class XI on 29th January, class XII on 31st January, class IX on 15th February and class III to V on 2nd March 2024.

An awareness program for the CA Foundation Course for the academic year 2024-25 for the students of class XI was conducted on 15th February 2024 giving them an insight into the course and their future.

“Shubham Astu 2023-24”, farewell programme for class XII was conducted on 23rd February 2024 at the Higher Secondary Wing, where Shri Yogesh Kalia, Convenor of our school was the Guest of Honour. A special Havan and cultural programme was conducted. Hall tickets were distributed to them. 

Inter DAV Athletic Meet was held at the Rajarathinam Stadium on 21st February 2024 where our school received the “Fair Play Award.” Thanav A of II B won the second prize in Obstacle Race, Chinmala Sahasranjali of V A won the second prize in Medical ball throw, Pranitha A of V B won the third prize in 200 mts, Mansi K of VIII A won the third prize in Discus, and Sanchana S of VI A won the third prize in Shotput.


On 4th March, a carnival was held at the Primary wing. Lots of games and rides were enjoyed by the KG and Primary children. Magic Show was a mindblowing performance at the culmination of the Carnival. Active participation was seen from the parents. 

Primary Sports Day was conducted on 15th March 2024 in the Primary Wing. Smt CA Manasa Meenakshi, an International throw ball player and an alumna of our school was the Chief Guest along with Convenor, Shri Yogesh Kalia, the Guest of Honour. 

The Tamil Department conducted the Inter House competition for classes VI to VIII on the topic “Tamil is our soul” on 16th March 2024 where our Principal Shri V Ramana Velavan was the Chief guest. Eshanika of VI B won the first prize, B Hemasri of VII B won the second prize, Saritha of VII A and Lekha of VIII A won the third prize.

On 21st March 2024, an awareness on “World Down Syndrome Day” was held by Inclusive students in the Primary Wing.

Dr B.B. Stella, Head of the Tamil Department, WCC College, Chennai, was invited to showcase and improvise the language skills for classes IV to VIII on **27th March 2024**. Students interacted well with her and learnt a lot about the Tamil language.

On 31st March 2024, the “Varshaanth Parva” was celebrated for the classes IV to XI in the Higher Secondary Wing, where the students introspected and gave feedback on how they had worked throughout the year to achieve their goals. 

We have navigated challenges, embraced opportunities, and continued to uphold our commitment to excellence in education. From ground-breaking initiatives to memorable events and outstanding performances, each page of this report is a testament to the passion and hard work that permeates every aspect of life at D.A.V. Gill Nagar. As we reflect on our successes, we also recognize the areas where we can continue to grow and improve, guided by our mission to nurture well-rounded individuals equipped for the challenges of tomorrow.

Now it is important to recognize the invaluable support provided by our efficient Management. Their leadership, vision and unwavering commitment has been crucial in enabling us to achieve our goals.

We extend our heartfelt gratitude to everyone who has contributed to making our school a place where students thrive academically, socially, morally and personally. Your support and partnership are invaluable as we continue to build on our achievements and strive for even greater success in the years ahead.

Together, we will continue to nurture a learning environment where every student can thrive and achieve their full potential. We look forward to another year of growth, learning and success.





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PG Dip in Computer Application., PG Dip in HRM

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- 4. Sri. K. Ramesh M.Sc., B.Ed.**
- 5. Smt. K. Kalaichelvi M.Sc., M.Phil., B.Ed.**
- 6. Sri. S. Kishore M.Sc., B.Ed., M.Phil.**
- 7. Smt. Preethi Kumar M.Sc., B.Ed.**
- 8. Smt. A.B. Vandana M.Sc., B.Ed., M.Phil.**
- 9. Smt. K. Bindu M.A., B.Ed., PGDCA**
- 10. Smt. M. Jagadeeshwari M.Com., B.Ed.**
- 11. Smt. M. Ghana Saraswathy M.Com., B.Ed., MBA**
- 12. Sri. M. Anandhan M.A., M.Phil., B.Ed.**
- 13. Smt. P Sangeetha M.Sc., M.Phil., B.Ed.**
- 14. Smt. Geetha Prabuchandhar M.Sc., B.Ed.**
- 15. Smt. Lalitha Sriraman M.Sc., M.Ed.**
- 16. Smt. S. Bharathi M. A., B.Ed.**

17. Smt. Manju Giri. M.A., B.Ed.
18. Smt. R M. Perumal Achi B.LIT., M.A., TPT
19. Smt. C. Iswarya B.Sc., MBA., M.A, M.Phil (San)
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23. Smt. S. Gajalakshmi M.A., B.Ed.
24. Smt. J. Muthulakshmi M.A., B.Ed.
25. Smt. E. Raja Rajeswari B.Sc., B.Ed.
26. Smt. S. Preetha Biju M.A., B.Ed.
27. Smt. G. Mahalakshmi B.Sc., MCA
28. Smt. P. Padmapriya B.Sc., B.Ed., M.Ed.
29. Smt. G. Kanmani B.Sc., M.Sc., PGCE
30. Smt. R. Prabha B.Com., M.A., PGDBA., PGCE
31. Smt. V Saraswathy B.Sc., B.Ed.
32. Smt. Sangeetha Naren M.A., M.Phil., B.Ed.
33. Smt. A. Gayathri B.A., M.Ped., M.Phil.
34. Dr. Sharma Ravikant Baldev B.A.M.S.
35. Sri. S. Parthasarathy M. Music., M.Phil., Dip.in Music
36. Smt. P. Parameswari B.A. Dip in Montessori and Kindergarten
37. Smt. S. Mano Suganthi M. A., PG Dip in ECE
38. Sri. V. Karthik B.Sc., B. Ped., M.Ped.
39. Smt. U. Sangeetha B.E.S., M.B.A., M.Sc.
40. Smt. PL. Kalyani B.E., PGCE

41. Smt. R J Reshma BBA, CPS

42. Ms. P Dhiviksha B.Sc Viscom

43. Smt. R J Mahalakshmi B.E., B.Ed.

SPECIAL EDUCATORS:

1. Ms. Radhika Mahadevan BFA, D.Ed SE(MR)

2. Smt. Sudha Parthasarathy B.R.Sc., B.Ed(Sp.Edu)., PGDCP., M.Sc(Counc. Psy)., M.Sc(YHE)

3. Smt. L Padmavathi B.Sc., B.Ed (Sp. Edu)

4. Smt. Amudha Eswari MBA – Occupational Therapist

5. Smt. M Shenbaga Meenambigai M.B.A., B.Ed(Sp. Edu)

6. Ms. Sridevi Mohan B.Sc., D.Ed(Sp. Edu)

OFFICE STAFF

1. Smt. S Sumathi B.Com.

2. Smt. H Gayathri B.Sc.

3. Smt. P Sudha Nandhini M.Com.

SUPPORTING STAFF

1. Sri. D Suresh Kumar

2. Sri. E Vijaya Kumar

3. Smt. L Revathi

4. Sri. B Shankar

5. Sri. D Kathirvel

6. Sri. R Somasundaram

7. **Sri. S Sasi Kumar**

8. **Sri. S Pattarai Muninathan**

9. **Smt. A Amulu**

10. **Smt. K Vasanthi**

11. **Smt. S Chitra**

12. **Smt. N Gomathi**

13. **Smt. D Suseela**

14. **Smt. S Vasuki**

WATCHMEN

1. **Sri. Krishna Prasad Chuwai**

2. **Sri. K Sekar**





ACADEMIC ACHIEVEMENTS 2023-2024





ACADEMIC ACHIEVERS CLASS XII 2023-2024



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CLASS XII TOPPER - FIRST POSITION

(2023-2024)

COMMERCE STREAM



RISHIKANTH S , XII C
592/600



TRISANTH M P , XII C
592/600

SCIENCE STREAM



KEERTHANA A , XII B
586/600





D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CLASS XII TOPPER - SECOND POSITION

(2023-2024)

SCIENCE STREAM



**YASHVANTH N , XII A
571/600**

COMMERCE STREAM



**VARSHAA SRI P, XII C
579/600**





D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

**CLASS XII TOPPER -THIRD POSITION
(2023-2024)**

SCIENCE STREAM



**BAVATHAARANI R, XII A
560/600**

COMMERCE STREAM



**KRISHIV M , XII C
566/600**





CENTUM HOLDERS CLASS XII 2023-2024



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XII

(2023-2024)

COMPUTER SCIENCE



**HINNDUJA V G
XII-A**



**PRAVEEN KUMAR R
XII-A**



**YASHVANTH N
XII-A**



**KEERTHANA A
XII-B**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XII

(2023-2024)

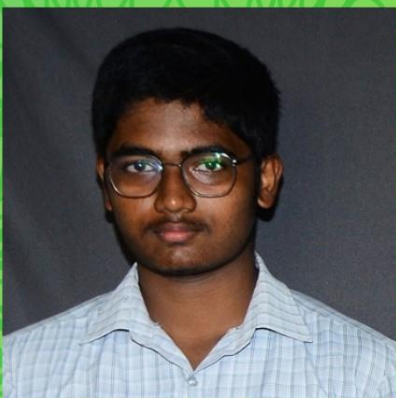
COMPUTER SCIENCE



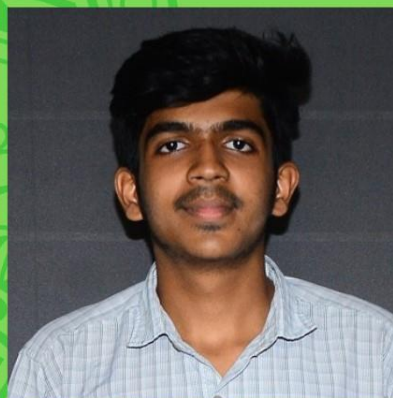
**KALPITA M
XII-B**



**HARISH SAI M K
XII-B**



**MOHIT SARVESH L B
XII-B**



**PRATEEK V
XII-B**



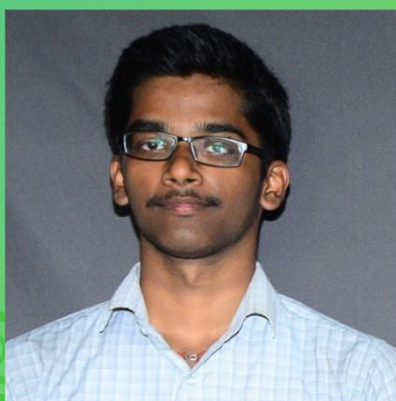
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GILL NAGAR, CHENNAI -94

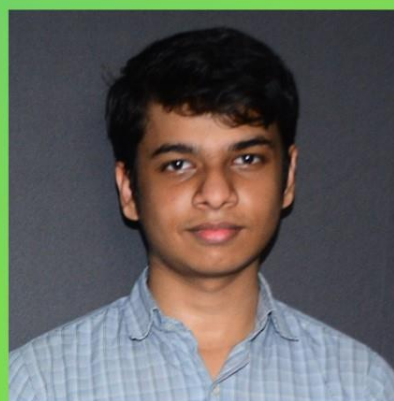
CENTUM HOLDERS CLASS XII

(2023-2024)

COMPUTER SCIENCE



**SANJAY S
XII-B**



**SHIVA RAM S
XII-B**



**SHESHA ADITHYA L M
XII-B**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XII

(2023-2024)

BUSINESS MATHEMATICS



**RISHIKANTH S
XII-C**



**TRISANTH M P
XII-C**

ACCOUNTANCY



**KRISHIV M
XII-C**



**RISHIKANTH S
XII-C**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XII

(2023-2024)

ECONOMICS



**VARSHAA SRI P
XII-C**



**KRISHIV M
XII-C**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XII

(2023-2024)

COMMERCE



**LAHAARI P A
XII-C**



**VARSHAA SRI P
XII-C**



**BHUVANESH S
XII-C**



**KRISHIV M
XII-C**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XII

(2023-2024)

COMMERCE



**RISHIKANTH S
XII-C**



**ROHITH KUMAR R
XII-C**





BEST OUTGOING STUDENTS



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

BEST OUTGOING STUDENT

(2023-2024)



BAVATHAARANI R

XII A



RISHIKANTH S

XII C





CLASS XI TOPPERS 2023-2024



D.A.V. MAT.HR.SEC.SCHOOL
GILLNAGAR, CHENNAI -94

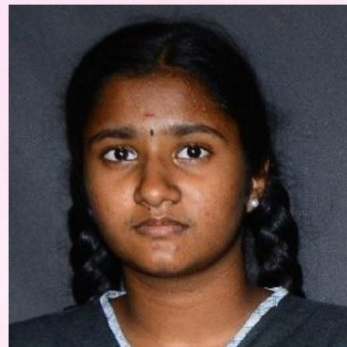
CLASS XI TOPPER - FIRST POSITION
(2023-2024)

SCIENCE STREAM

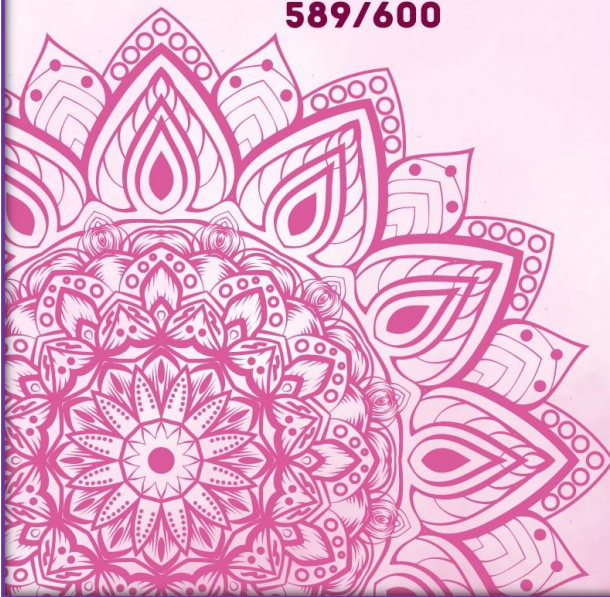


HARINI M, XI A
589/600

COMMERCE STREAM



M DEEPIKA, XI C
585/600





D.A.V. MAT.HR.SEC.SCHOOL

GILLNAGAR, CHENNAI -94

CLASS XI TOPPER - SECOND POSITION

(2023-2024)

SCIENCE STREAM



SHWETHA V , XI B
584/600

COMMERCE STREAM



NIVEDITAA L R, XI C
579/600





D.A.V. MAT.HR.SEC.SCHOOL

GILLNAGAR, CHENNAI -94

CLASS XI TOPPER - THIRD POSITION

(2023-2024)

SCIENCE STREAM



JANANII M, XI B

580/600

COMMERCE STREAM



KEERTHANA R, XI C

574/600





CENTUM HOLDERS CLASS XI 2023-2024



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XI

(2023-2024)

COMPUTER SCIENCE



**HARINI M
XI-A**



**MANASWINI JANAKIRAMAN
XI-A**



**MRUDHULA K
XI-B**



**SHWETHA V
XI-B**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

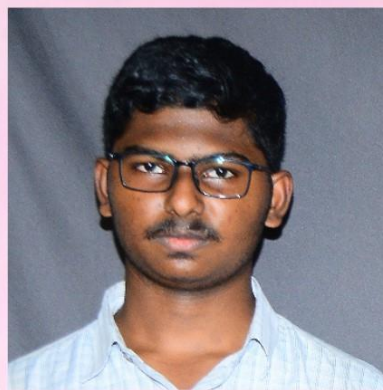
CENTUM HOLDERS CLASS XI

(2023-2024)

COMPUTER SCIENCE



**AADITYA B M
XI-B**



**PON UDHAYA A
XI-B**



**TAMIL SELVAN S
XI-B**



D.A.V. MAT.HR.SEC.SCHOOL

GILLNAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XI

(2023-2024)

ECONOMICS



KEERTHANA R
XI-C



PHAVITHRA A
XI-C

COMMERCE



NIVEDITAA L R
XI-C



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS XI

(2023-2024)

ACCOUNTANCY



**KEERTHANA R
XI-C**



**ANIRUDH SUNIL KUMAR
XI-C**





TOPPERS CLASS X 2023-2024



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CLASS X TOPPER

(2023-2024)

FIRST POSITION



**KAVIYA SRI D,
494/500**

SECOND POSITION

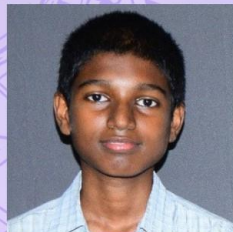


**PRAGADEESH MUTHU S,
490/500**



**YASHINI SHREE M,
490/500**

THIRD POSITION



**ARJUN NACHIAPPAN M
487/500**





CENTUM HOLDERS CLASS X 2023 - 2024



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS X

(2023-2024)

MATHEMATICS



**JANAVIKA A
X-C**



**BHAGYA SHREE J
X-A**



**HARSHITA C V
X-A**



**KAVIYA SRI D
X-C**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS X

(2023-2024)

MATHEMATICS



HARSHINI J P
X-B



DEEPIKA SREE M
X-B



YASHINI SHREE M
X-C



VARSHINI P
X-C



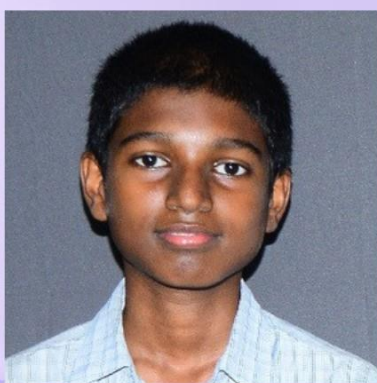
D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

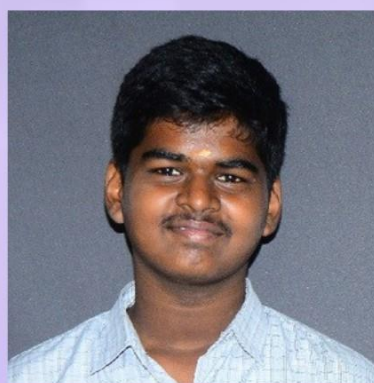
CENTUM HOLDERS CLASS X

(2023-2024)

MATHEMATICS



ARJUN NACHIAPPAN M
X-A



BALAJI B
X-A



GOUTHAMA KRISHNAN J
X-A



VIJAYA PRABHAKARAN R
X-A



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS X

(2023-2024)

MATHEMATICS



**KAMESH S
X-C**



**GOKUL S P
X-A**



**PRAGADEESH MUTHU S
X-C**



**SRI HARICHARAN S
X-B**



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS X

(2023-2024)

SCIENCE



HARSHITA C V
X-A



KAVIYA SRI D
X-C



RONAK A
X-A



PRAGADEESH MUTHU S
X-C



D.A.V. MAT.HR.SEC.SCHOOL

GILL NAGAR, CHENNAI -94

CENTUM HOLDERS CLASS X

(2023-2024)

SOCIAL SCIENCE



**ROHAN D
X-A**





STAR PUPIL AWARDEES 2023-2024



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR, CHENNAI - 94.
26th ANNUAL DAY CELEBRATION



STAR
PUPIL



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
VIVIN SAIDAKSHIN T
L.K.G.



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
GITANSH R
U.K.G.



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
SANJHANA P
IA



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
AATHMIKA H
IB



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
VEDHA VARSHINI S J
II A



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
BHARANI B
II B



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
PREKSHA S
III A



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
KRISHNITHA T
III B





D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.
26th ANNUAL DAY CELEBRATION



STAR PUPIL
CHIMALA SAHASRANJALI
V A



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.
26th ANNUAL DAY CELEBRATION



STAR PUPIL
INDRA PRITHA M
V B





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D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION

STAR PUPIL
JANANYA S
VIA

A certificate for Jananya S, a Star Pupil in VIA, from D.A.V. Matric Higher Secondary School, Gill Nagar, Chennai - 94. The certificate is for the 26th Annual Day Celebration. It features a portrait of the student, a large gold star, and the school's logo and motto.



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D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION

STAR PUPIL
LAKSHITHA V
VIB

A certificate for Lakshitha V, a Star Pupil in VIB, from D.A.V. Matric Higher Secondary School, Gill Nagar, Chennai - 94. The certificate is for the 26th Annual Day Celebration. It features a portrait of the student, a large gold star, and the school's logo and motto.





D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
ADARSH SONU
VIII A



D.A.V. MATRIC HIGHER SECONDARY SCHOOL,
GILL NAGAR , CHENNAI - 94.

26th ANNUAL DAY CELEBRATION



STAR PUPIL
THAMIZHARASAN M
VIII B





SPORTS ACHIEVEMENTS 2023-2024

E. JEEVAN of 12C Won I Place in the Individual Kumite in the 19th National Karate Do Championship 2023 conducted by ShotoKan Karate Do International Federation India. SKIF INDIA.

S.S LOKNATH of 9A won II Place in the Individual Kumite and I place in Kata in the 19th International Okinawa Goju Ryu Ipon city Karate open championship 2023 conducted at Malasiya.



He also won II Place in the Individual kumite in the Indian open International karate championship 2023 conducted at New Delhi.



He also won II Place in the Individual kata and I Place in Individual Kumite in the Republic Day Cup 2024 – 3rd South Zone Karate open championship held at Chennai.

P. PRAVIN KUMAR of 10A won II Place in the Thodumurai >50 Kg, in the 12th Kalaimamani Maha Guru Haji John Bava Silambam Trophy 2023.

K.G MADHAN BABU of 11A won I Place in the Individual kumite in the 9th International level Invitational open karate championship 2023.



S. SURYA PRAKASH of 10A won I Place in the 14th Yuva Ratna National Boxing Championship 2023 conducted at Jammu.



E. JEEVAN of 12C won III Place in the Individual Kumite in the 2nd South India Karate Championship 2023 conducted by the South India Karate Federation.



And also, he won II Place in the Junior Male Kumite U76 Kg in the 40th Tamil Nadu state karate championship for cadet Jr U-21 & Sr. conducted by Tamil Nadu Karate Do Association.

E. JEEVAN of 12C and **K.G MADHAN BABU of 11A** Won I Place in the Taekwondo Revenue District RDG/BDG 2023-24 Organised by Don Bosco Mat. Hr. Sec. School, Egmore on 01.12.23 and participated in the state level RDG/BDG competition.

S.S. Linganath of 7A won I Place in the Individual Kata in the SPSJSKI 2nd State level Karate Championship 2023 conducted by Super Power Japan Shotokan Karate Do India.



H. Krithika of 9A and S. Harini of 8A won the Winners Trophy and **Varshini. P of 8B** won the Runners up Trophy in the Sub Junior Throw Ball State Championship 2023 conducted by Tamilnadu Throw ball Association and Krishnagiri Throw ball Association.



INTER D.A.V YOGA

Our students participated in the Yogiraj Shrikrishna Inter D.A.V Yoga Competition conducted at D.A.V Girls Senior Secondary School, Gopalapuram, on 01.07.23 and won prizes.

GOKULAN E of IV B III PLACE in Individual event



PREM M of IX A, PRAVEEN KUMAR R of XII A and GOKUL RAJ R of XC
got III Place in the Team event



VIJAY S of VIII B, HARISH PRIYAN P S of VII B and DIVESH S of VI A
got III Place in the Team event



**SAMIKSHA SHREE A of III B, JAYARSHANA K of IV B and
MADHUMITHA B of V A got III Place in the Team event**



Our U19 girls Volleyball team received the III Place in the Vidyodaya Inter School Sports centenary year 2023 conducted from 10.07.23 to 11.07.23.

TABLE TENNIS ZONALS

SHRUTHI K S of XB and NIRANJANA M of IX A got the Runner-Up in the U-17 Girls Table tennis Zonals conducted by Morning Star school on 08.08.23.



LALITH S of VII B and MAHAJITH SHYAMALAN D of VII A got the Runner-Up in the U-14 Boys Table Tennis Zonals conducted by Morning Star school on 08.08.23.



ADHI BALAN T of XB and NARENDHRAN R of XA got the Runner-Up in the Doubles **U-17 Boys**. **ADHI BALAN T of XB** emerged as Winner in the singles Table Tennis Zonals conducted By Morning Star school on 08.08.23.



PRAGADEESHWARAN T of X A emerged as the Winner in the Carrom Zonal in the U17 boys category conducted by the Morning Star school on 11.08.23.

THROWBALL ZONALS

Our U14 Girls Throw ball team emerged as Winners in the Throw ball Zonal conducted by Morning Star school on 21.08.23.



Our U17 Girls Throw ball team emerged as Winners in the Throw ball Zonal conducted by Morning Star school on 21.08.23.



Our U14 Girls Volley ball team emerged as Winners in the Volley ball Zonal conducted by Morning Star school on 21.08.23.



Our U17 Girls Volley ball team emerged as Winners in the Volley ball Zonal conducted by Morning Star school on 21.08.23.



Our U19 Girls Volley ball team emerged as Winners in the Volley ball Zonal conducted by Morning Star school on 21.08.23.



Our U17 Boys Volley ball team emerged as Winners in the Volley ball Zonal conducted by Morning Star school on 22.08.23.



Our U19 Boys Volley ball team emerged as Winners in the Volley ball Zonal conducted by Morning Star school on 22.08.23.



Our U19 Boys Football team emerged as Winners in the Football Zonal conducted by Morning Star school on 31.08.23.



ZONALS CHESS

The following students participated in the Chess Zonals conducted by Morning Star school on 01.09.23 and won prizes

KANISHKA J of 5B – I Place

GEETHIKA V of 7A - I Place

ASHWIN RAJ B of 9B - III Place

SHYAM SUNDAR J of 12A - III Place

AKSHITH M of 6A - I Place

ADITHYA S of 12B – II Place





BADMINTON ZONALS

KESHAV RAJ of VII B and DHARSHAN S K of VII B emerged as Runner-up and **PRIYA VARSHINI R of XII B** Emerged as Winner in the Badminton zonals conducted by Morning star school on 13.09.23.





Our U19 Girls Volley ball B team won the Winners trophy in the **Deiva Pulavar Thiruvalluvar** Inter D.A.V Volley ball Tournament in the Classes 9 to 12 Category, conducted by Krida Kendram on 23.09.23.



Our U19 Girls Volley ball A team won the Runner Up trophy in the Deiva Pulavar Thiruvalluvar Inter D.A.V Volley ball Tournament in the Classes 9 to 12 category, conducted by Krida Kendram on 23.09.23.



Our U14 Girls Volley ball team won the Runner Up trophy in the Deiva Pulavar Thiruvalluvar Inter D.A.V Volley ball Tournament in the Classes 4 to 8 category, conducted by Krida Kendram on 23.09.23.



Our U19 Boys Volley ball team won the Winners trophy in the Deiva Pulavar Thiruvalluvar Inter D.A.V Volley ball tournament in the Classes 9 to 12 category, conducted by Krida Kendram on 23.09.23.





INFOTAINMENT





ENGLISH



“Strive not to be a success, but rather to be of value.”



RIDDLE TIME - SOORYA RANGANATHAN – IV A

1. I speak without a mouth and hear without ears. I have no body, but I come alive with wind. Who am I?
2. You measure my life in hours, and I serve you by expiring. I'm quick when I'm thin and slow when I'm fat. The wind is my enemy. Who am I?
3. If you drop me, I'm sure to crack, but give me a smile and I'll always smile back. Who am I?
4. What has words, but never speaks?
5. Poor people have it. Rich people need it. If you eat it, you die. What is it?
6. What has 13 hearts, but no other organs?
7. What is always in front of you, but you can't see?
8. I have lakes with no water, mountains with no stone and cities with no buildings, what am I?



RIDDLES - FAAHIMA SAFRIN M A - III A

1. What kind of band never plays music?
2. People make me, save me, change me and raise me. Who am I?
3. Where does today come before yesterday?
4. What has many rings and no fingers?
5. Which 4 letter word can be written in anyway, yet can be read correctly?

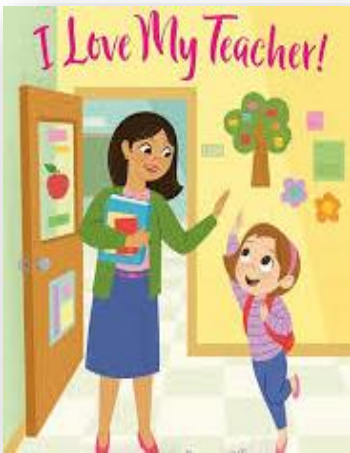


WATER - PERANESH S - VII A

Water is clearly a mystery to me
It's liquid, solid, and vapour,
It's all three
Boil it, cool it, freeze it-
You will see,
Water is clearly a mystery to me.

MY TEACHER - SANJHANA P - II A

My teacher is very kind. She comes to school everyday. She teaches me to read and write. She teaches me many things. Every time I answer, she says “very good kanna!”



I love my teacher very much. She greets me with a warm smile. I know she too loves me, as much as my mom. She teaches us lessons like English, Grammar and Value Education.

She also teaches us good manners. She has so much work to do. When we make a mistake, she corrects it politely. We all love our teacher very much. She also loves us very much.



MOM N ME - SANJHANA P - II A

Roses are red
Violets are blue
Yes it's true
My mom is always there when I am feeling blue.

She works every day and night
to make my future bright.
She makes me alright
with a pleasant sight.

You may grow older,
but I have your shoulder.
I am ready to take the roller coaster
because you're always closer.

You are the number one for me.
I love you like you love me.
Only God knows how much you mean to me
and this makes me glee.



CONFUSING PREPOSITIONS - SANCHITA S & SATHANA SREE A – VII B

1. 'In' is used for larger areas like cities or countries, and for months, years, centuries, as well as long periods of time like 'in March' or 'in 2022.' Use 'in the' with 'morning', 'afternoon', and 'evening.'

Eg.: I live in New York city.

I was born in March 2022.

I usually drink coffee in the morning.

While 'at' is used for specific locations within a larger area.

Eg.: The children eat lunch at school.

We use 'at' when talking about night.

Eg.: Bob goes running at night.

2. Use 'For' when talking about the length of time (a duration), like 'for 10 years'. Use 'since' when you are referring to the starting point of time, like 'since 2010.'

Eg.: I have lived here for 10 years.

It is 10 years since we met.

3. 'Between' is used when referring to only two people or things, while 'among' is for a group of three or more, considered individually within that group.

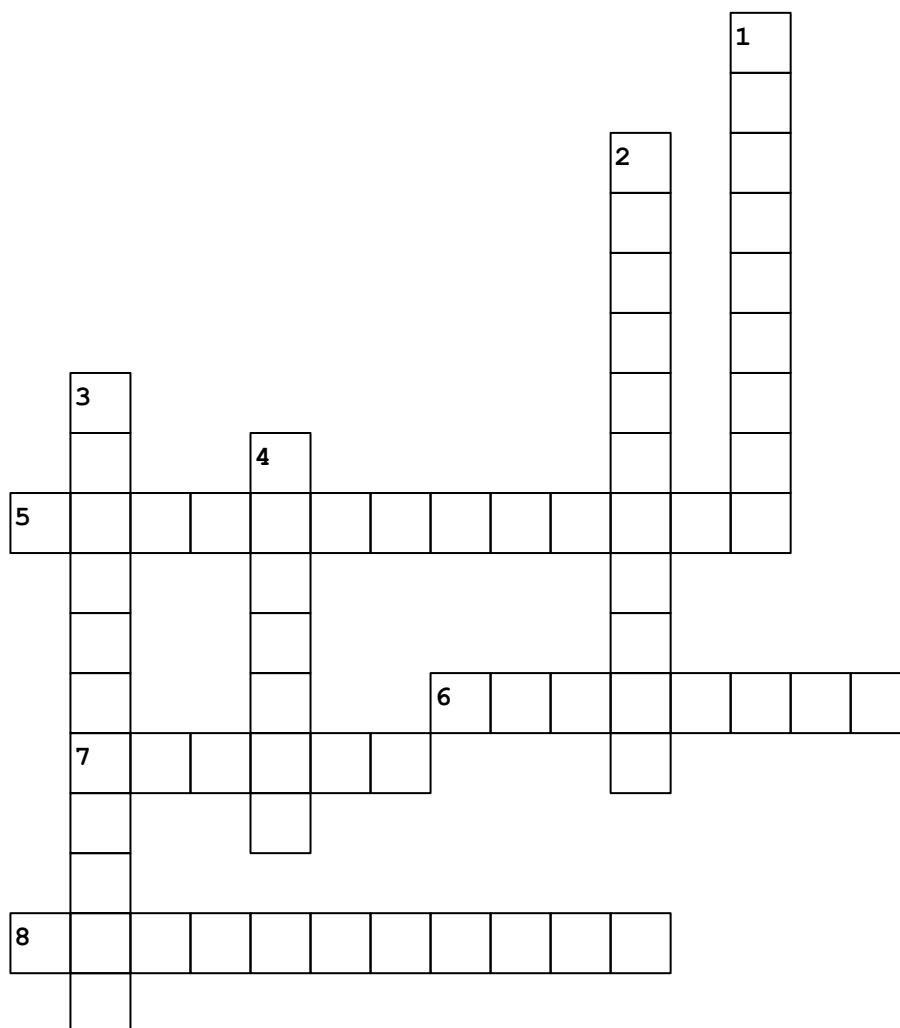
Eg.: The teacher distributed the candy among the students in the class.

The ball rolled between the desk and the wall.

4. A common preposition error is saying 'cope up with' instead of 'cope with', 'cope' is a verb that always takes the preposition 'with' to mean 'deal with' something.

Eg.: He is struggling to cope with the work load.





Across

5. A type of sentence that asks a question.
6. Words that are spelt and pronounced like another word but that has a different meaning.
7. A group of words that includes a subject and a verb forming a part of a sentence.
8. An adjective that compares two things.

Down

1. A part of a sentence that tells what the subject is or does.
2. A word that shows the relationship between a noun and another word in a sentence.
3. A word that connects clauses or sentences.
4. A word that takes the place of a noun.



FUN WITH WORDS - VRUDHIKAA AIYYAR B - IV B

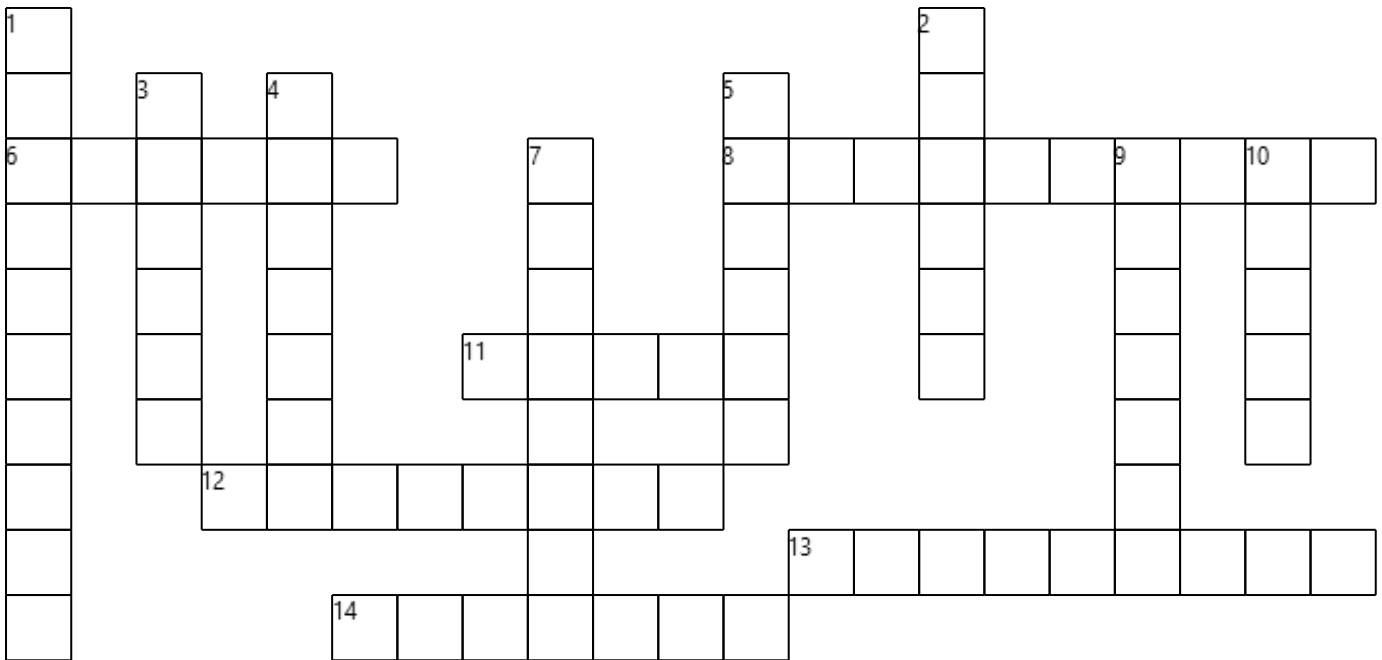
1. Why does a sailor's hat fit so poorly? It is afraid of capsizing.
2. I'm reading a book about anti-gravity. It's impossible to put down.
3. Why don't eggs tell jokes? They'd crack each other up.
4. What do you call a bear with no socks on? Barefoot.
5. Why did the rabbit go to the doctor? He had hare-loss.
6. What did the left eye say to the right? Between you and me something smells.
7. Why did the loaf of bread loan some dough to his friend? It's good to help a friend in knead.
8. Why did the mushroom go to the party? Because he was a fun-gi.
9. What do you call a group of cows playing instruments? A moo-sical band, and they're udderly fantastic!
10. Why did the banana go to the doctor? He wasn't peeling well.

PUZZLE - AKASH CHANDRU L – IV B

1. Three doctors said that Akash is their brother. Akash said he had no brothers. Who is lying?
2. Mom and Dad have four daughters, and each daughter has one brother. How many people are in the family?
3. A is B's sister. C is B's mother. D is C's father. Then, how is A related to D?



COMPLETE THE CROSS WORD - SHASMITHA L - V B



Across

6. Having a bright, sharp, and quick mind; intelligent.
8. The act or process of resisting.
11. At some time between a past time and now.
12. To become less or smaller.
13. Having great meaning or value.
14. Having to do with a country that is not one's own.

Down

1. Something that stimulates or causes much interest.
2. A curve that starts at a fixed point and continues to go round and round.
3. To refuse to take.
4. To set free.
5. Cracked or smashed into separate pieces, or no longer working.
7. To make a careful guess about the amount, size, or worth of.
9. To allot to a particular office or duty.
10. A large number of people gathered together.



HARD JOKES - FAAHIMA SAFRIN M A - III A

1. Where did the music teacher leave her keys?
2. What does a storm wear under his raincoat?
3. Which is the smartest insect?
4. What fruit do twins love?
5. What kind of keys are sweet?
6. Which planet loves to sing?
7. Why is a cricket stadium always cold?
8. What's a snake's favourite subject?
9. How do bees brush their hair?

RIDDLES - BHARANI B - III B

1. What gets wet as it dries?
2. What is as big as an elephant, but weighs nothing?
3. What can you catch but not throw?
4. What two things you can never eat for your breakfast?
5. What begins with T, ends with T and has T in it?

STORY: MONA'S PICTURE - IYALINI E - III B

Mona was never on time! She was a very sweet girl and painted wonderful pictures but couldn't wake up early. She would scramble out of bed late and usually miss her bus. Then her papa would drop her to school, grumbling and scolding.

One day papa went away on work while Mona slept. She forgot there was a painting competition that day. "Wake up Mona!" yelled mom. "You'll miss the bus!" But Mona just refused to get up. She missed the bus and mom took her in a cab. But the gate was closed and she had to come back home, very disappointed. That night a fairy came in her dream and said, "Wake up early, Mona. The competition is tomorrow!" The next morning, she was up and reached school on time. Mona painted a beautiful picture and won the first prize. Now she always says, "Wake me up early, dear fairy!"



ANAGRAM CHALLENGE - MAGATH PRATIK A P - IV A

Instructions: Unscramble the letters to form meaningful words.

Set 1: Easy (Common Words)

1. TAC -> _____
2. GOD -> _____
3. LEPAP -> _____
4. ESUOH -> _____
5. TENIP -> _____

Set 2: Medium (Longer Words)

1. NEDIRF -> _____
2. TABREH -> _____
3. OOCBRLI -> _____
4. ERSFLOW -> _____
5. HCPTEAR -> _____

Set 3: Hard (Challenging Words)

1. ELPMXEA -> _____
2. PLCEAIR -> _____
3. NOCIUTA -> _____
4. DNTUOSA -> _____
5. OTHARGOPHP -> _____



BOOKS – LEKHA S – IX A

Books are often considered as a gateway to learning, filled with experiences, ideas, and emotions. They help us grow, learn, and reflect on life. Books can be defined as illustrated pages that unfold a world of different genres. Some books reveal the harsh reality of the world, while others elevate imagination to new heights. According to scientists, getting lost in a book is not just a pastime but an approved way to reduce stress and escape from boredom. By reading books, we acquire essential skills that are fundamental to personal growth and human development.

In this digital era, where information is just a minute of typing away and connecting with people is as simple as a tap, books still hold a well-deserved place in students' lives. The internet may provide us with a vast ocean of knowledge, but books allow us to dive deeper. Instead of scrolling through Wikipedia or relying on AI for information, searching through books not only helps us improve our vocabulary and increase reading speed but also causes less strain on our eyes.

In conclusion, books are treasures that must be preserved in this digital age. We should embrace the culture of reading, as books not only help us improve our vocabulary but also introduce our minds to new ideas, cultures, and experiences. Let us nurture our relationship with books and continue turning the printed pages of excellence.

THE SECRET OF SUCCESS – DEVIGA P – IX A

Peter was a brilliant college student, but his days were a whirlwind of chaos. Books piled high on his desk, sticky notes pasted everywhere, and a constant feeling of being late haunted him. Despite working hard, he always seemed to fall behind. He would start assignments late, skip meals to catch up on studies, and even miss out on spending time with his friends.

One evening, as Peter stared at his cluttered desk, his roommate, Jackson, handed him a small notebook. "This is your secret weapon," he said with a knowing smile.

Confused, Peter opened the notebook to find a blank page. “How does this help?” he asked.

“Time management,” Jackson replied. “Write down all the things you need to do tomorrow—be realistic about your time. And stick to it.”

Skeptical but desperate, Peter gave it a try. He listed his tasks: two hours for studying, one hour for exercise, thirty minutes to plan his meals, and even time to relax with friends. The next day, he followed his schedule to the letter, and something incredible happened. He finished everything on his list and still had time to unwind.

Day by day, Peter continued using the notebook, planning his tasks, and prioritizing what really mattered. Over time, he realized he wasn’t just managing time—he was controlling it. The chaos turned into calm, and Peter felt more in charge of his life than ever before.

His grades improved, his friendships grew stronger, and best of all, he felt less stressed. Peter had learnt the secret: time, like any resource, needed a plan.

Moral: Effective time management turns chaos into control and leads to a balanced, stress-free life.

NEVER GIVE UP – TISANTHA S – IX A

The story is about Dom, an 11-year-old basketball player who secures a spot on the U-16 National team. Despite his dedication, he struggles with confidence before an important tournament. His mother, wanting to help, creates a fake "luck potion" using sugar syrup and labels it as a secret elixir. Dom, believing in its power, drinks it and performs spectacularly, winning the championship and the Player of the Tournament award. When he thanks his mother, she reveals the truth: it was not the potion but his confidence that made him succeed.

Moral: Confidence is the true magic of success.



A POUND OF BUTTER - SAI SOWMYA A – IX A

It was a typical Saturday morning; a mysterious package was left on the counter of the coffee shop. The owner, puzzled by the package, asked his employees if they knew who had left it. No one had any idea. The package had a note: “For the person who can answer”. The owner, curious, opened the package and found a pound of butter inside. The next day, a customer walked into the shop and asked, “What’s the answer to the question?” The owner didn’t know the answer but he said that he would give the pound of butter for the person who could answer it. The customer smiled and said, “The question is, ‘What is better, a pound of butter or a pound of wisdom?’ The answer is ‘A pound of wisdom, because a pound of butter cannot be shared to everyone but a pound of wisdom can be shared to many people.’” The owner was impressed and handed over the pound of butter as a reward to the customer.

As the customer walked out, the owner realized that the real prize was not the pound of butter, but the wisdom the customer had shared.

This story highlights the importance of wisdom and knowledge in overcoming life’s challenges.

THE FOUR-STEP HABIT MAKING PROCESS - VISHWA A – IX A

The most significant yet subtle matter which influences our actions and our daily routine that is performed on a regular basis is trivially known as Habit. But majority of people neglect habits and struggle with carrying it out. So, on 16th October 2018, James Clear, an American writer, released a book called 'Atomic Habits' which sold beyond 15 million copies.

One of the notable points of the book consists of how we can make up our habits. So basically, Habits have been split into four fundamental parts, viz. Cue, Craving, Response and Reward.

- **Cue** (means hint)-It is a sensory part which detects the rewards for Habit we undertake. Human nature is about doing any work or action in return of rewards which can be in the form of money, fame, power, status and so on. So, in simple words, Cue is the sensory event that spots the particular goal or reward.

- **Craving**-Cravings means desire towards something. Cravings are the motivations which we undergo in the pursuit of goal. Any action we do requires a motivation. Therefore, to build our habits, we crave for a reward. Craving is not merely a Habit itself but the satisfaction we acquire upon achieving something.

- **Response**-Response is an action undertaken to achieve our goal and work and energy supplied in order to achieve it. Response mainly depends upon the motivation you obtain and your skill which accompanies the action you do. Because Habit can occur if you have capability to make it.

- **Reward**-This is the last step, Reward which is delivered by response. Reward has got two purposes. First it satisfies what we craved for and secondly it leaves a lesson for us. It teaches us actions which are worth doing and it leaves a mark on our brain.

Thus, the cycle of habit is fulfilled. So, the inference is that the first three steps are required for the formation of habits. But the last step is required for repetition of habits.

THE POWER OF KINDNESS – DHANUSH L – IX A

Once there was a boy named Pandit. He was good at studies and sports but he belonged to a poor family. One day, he got a chance to go to England for an international marathon. But his father couldn't afford to send him to England. Seeing this, Pandit's friends decided to help him. They worked hard, collected money, and gave everything they could. Still, it was not enough. When the people in that village heard about it, they all came together and helped him. With everyone's kindness and support, Pandit was able to go to England. He tried his best in the marathon and won the third place. Everyone in his home town was proud of him, and welcomed him when he returned home. This shows how kindness and support can help someone achieve their dreams.



NATURE – DEEPAK K – IX A

In this busy world, no one cares about humanity and nature but they know very well how to earn money. In this greedy world, people are placing money at the top instead of kindness, humanity, and love. People are unaware of the value of nature and kindness. People build buildings by cutting trees, destroying forests, and evacuating tribes for their greediness. They forget that cutting of trees leads to global warming, deforestation etc. Nature can take a dangerous form if we do not use it carefully. It can teach you many things. So, I would suggest we should use nature wisely, only for our need and not for our greed.

At last, I would like to say that we should nurture the **NATURE**.

"Study nature, love nature, stay close to nature. It will never fail you."



RIDDLES- ANSWERS - SOORYA RANGANATHAN - IV A

1. An echo
2. A candle
3. A mirror
4. Books
5. Nothing
6. A deck of cards
7. Your future
8. Map

RIDDLES – ANSWERS - FAAHIMA SAFRIN M A - III A

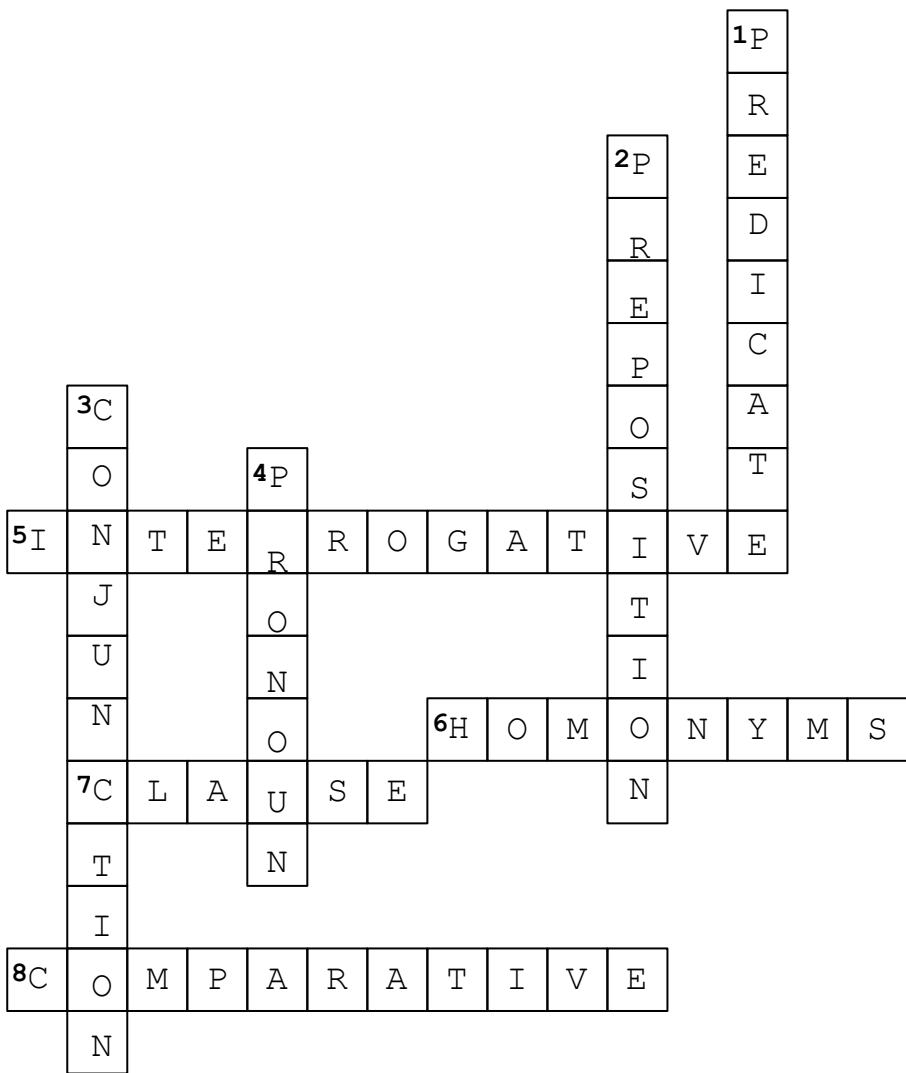
1. A rubber band
2. Money
3. Dictionary
4. A Phone
5. Noon

PUZZLE – ANSWERS - AKASH CHANDRU L – IV B

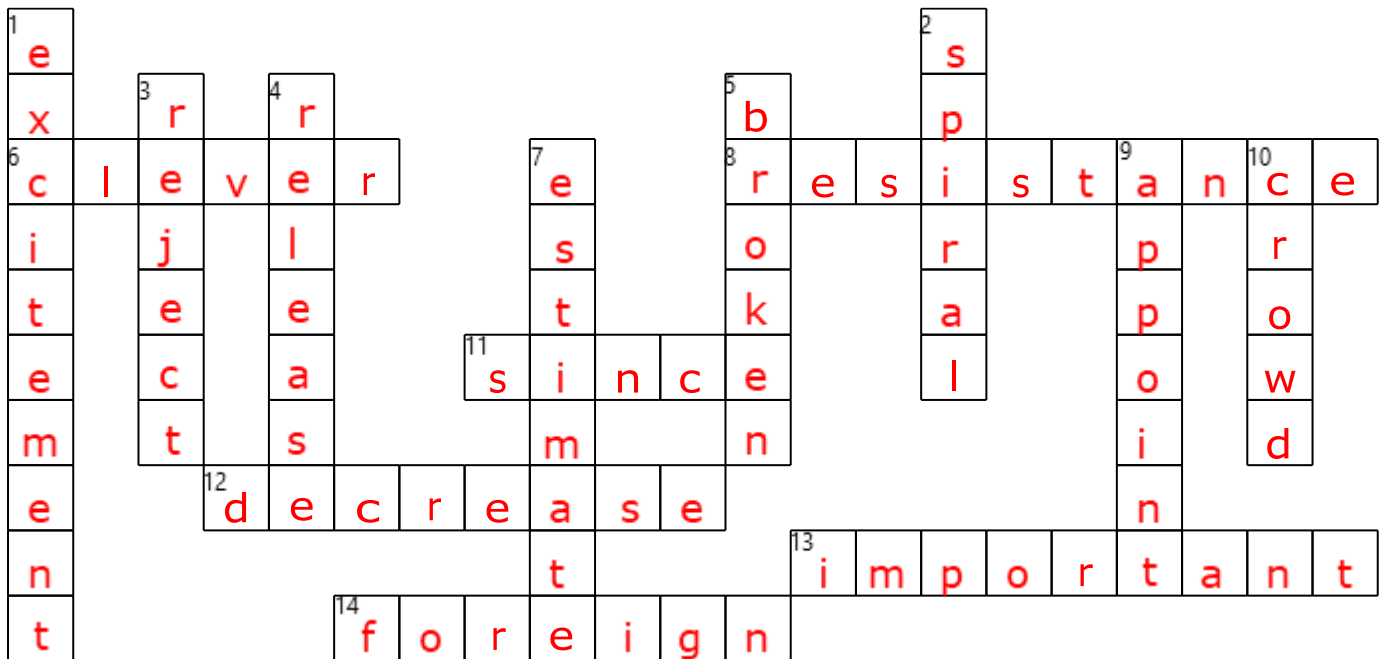
1. No one is lying. The three doctors are Akash's sisters. Since they are females.
2. Seven. Mom 1 + Dad 1 + Daughters 4 + Son 1 (Each daughter has one brother, which means there is only 1 son, since they all share the same brother)
3. Grand child



GRAMMAR TOPICS CROSSWORD – ANSWERS - SAI PRANAV S & NILESH M - VII B



COMPLETE THE CROSS WORD – ANSWERS – SHASMITHA L – V B



HARD JOKES – ANSWERS - FAAHIMA SAFRIN M A - III A

1. In the keyboard
2. Thunder wear
3. A spell Bee
4. pears
5. cookies
6. Nep-tune
7. It has lot of fans
8. His-tory
9. With honeycombs



RIDDLES - ANSWERS - BHARANI B - III B

1. Towel
2. The elephant's shadow
3. A cold
4. Lunch and dinner
5. Teapot

ANAGRAM CHALLENGE – ANSWERS - MAGATH PRATIK A P - IV A

- | | |
|-------------|----------------|
| 1. Cat | 9. Flowers |
| 2. Dog | 10. Chapter |
| 3. Apple | 11. Example |
| 4. House | 12. Replica |
| 5. Paint | 13. Caution |
| 6. Friend | 14. Astound |
| 7. Breath | 15. Photograph |
| 8. Broccoli | |





நட்பு - இலக்கியா இ - VIA

தட்டிக்கொடுக்க நண்பன் இருந்தால் வேதனை கூட சாதனை ஆகும்.
நட்பு, மேகம் அல்ல கலைவதற்கு,
நிலையானது அன்னையின் அரவணைப்புப் போல...
நண்பர்கள் தவறு செய்தால் மன்னிப்பது மரபல்ல, மறப்பதே மரபு.
உறவுகள் அல்ல நண்பர்கள்.... உணர்வுகள்.
நட்பு என்பது மூன்றெழுத்தில் முடிவதல்ல,
நமது காலம் முடியும் வரை தொடர்வது.
சுமை இல்லா வாழ்க்கை சுகமாகத் தான் இருக்கும்.
நட்பில்லா வாழ்க்கையோ சுமையாகத்தான் இருக்கும்.
நட்பென்பது புதையல் போன்றது என்றும் அதைப் பாதுகாப்போம்.
பூக்கள் என்றால் வாசம்.
அம்மா என்றால் பாசம்.
அப்பா என்றால் நேசம்.
நட்பு என்றால் சுவாசம்.



அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



நிலச்சரிவு – கவிதை - ஜோ கிங்ஸ்லி - VIA

ஓநிலமே!

இரவில் தூங்கும் போது
என்னைத் தாலாட்டினாய்!
கண் விழித்துப் பார்த்த போது
மண்ணுள் புதைத்து விட்டாயே!
ஏழை பணக்காரனெல்லாம்
ஓர் இரவில் சமமாக்கிவிட்டாயே!
நீயும் சமதளமாகிப் போனாயே!

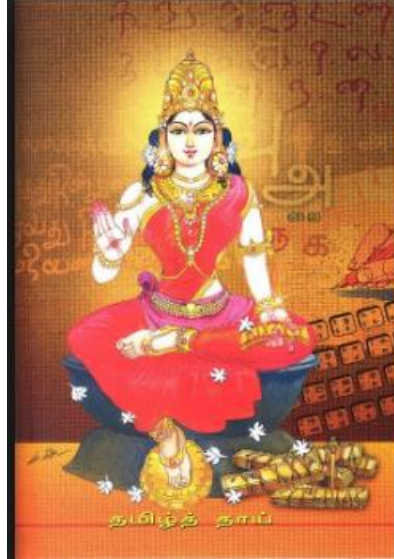


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கவிதை அகர வரிசையில் தமிழ்மொழி - சு. ச. கவின் - V B

அகிலத்தின் முதன் மொழி.
ஆன்மிகமாய் வளர்ந்த மொழி.
இளமை மாறா இன்மொழி.
ஈடில்லா இலக்கிய மொழி.
உயிருடன் கலந்த மொழி.
ஊக்கமுடன் இயங்கும் மொழி.
எட்டுத்திக்கும் நிறைந்த மொழி.
ஏற்றமதைத் தரும் மொழி.
ஐயமில்லா அறிவியல் மொழி.
ஒற்றுமை பேணும் மொழி.
ஒங்கு புகழ் உயர் மொழி.
ஒளவையைத் தாங்கிய மொழி.
அஃதே நம் செம்மொழியாம் தமிழ்மொழி.



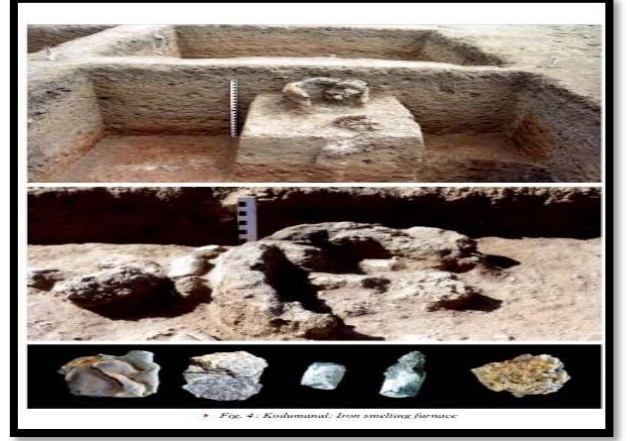
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இரும்பு யுகத்தின் தொட்டில் - யாஷினிஸ்ரீ மு - XI B

இரும்பு யுகத்தின் தொட்டில்: சிவகலையில் காலத்தை வென்ற கண்டுபிடிப்பு

சிவகலை. தூத்துக்குடி மாவட்டம். சாதாரண கிராமம் போல் தோற்றமளிக்கும் இப்பகுதி, சமீபத்திய தொல்பொருள் கண்டுபிடிப்பால் உலக வரலாற்றில் புதிய பக்கங்களைச் சேர்த்துள்ளது. இங்கு கண்டெடுக்கப்பட்ட முதுமக்கள் தாழிகள், இரும்பு யுகம் தமிழகத்தில் கிமு 3345 ஆம் ஆண்டிலேயே தழைத்தோங்கியிருந்தது என்பதை உறுதிப்படுத்துகின்றன. இது, இரும்புத் தொழில்நுட்பம் முதலில் ஹிட்டைட் பேரரசில் (நவீன துருக்கி) தான் கண்டுபிடிக்கப்பட்டது என்ற கருத்தை அடியோடு மாற்றியமைக்கிறது.



வரலாற்றின் பக்கங்களை புரட்டிப் போடும் இந்த கண்டுபிடிப்பு, தமிழகத்தின் தொன்மையை உலகறியச் செய்துள்ளது. முற்காலத்தில் வாழ்ந்த மக்கள் இரும்பை அன்றாட பயன்பாட்டிலும், சடங்குகளிலும் பயன்படுத்தியது வியப்பை அளிக்கிறது. கரி மற்றும் இரும்புப் பொருட்கள் அடங்கிய முதுமக்கள் தாழிகளை, கதிரியக்கக் காலக்கணிப்பு முறைக்கு உட்படுத்தியதில் இந்த பிரமிக்கத்தக்க தகவல்



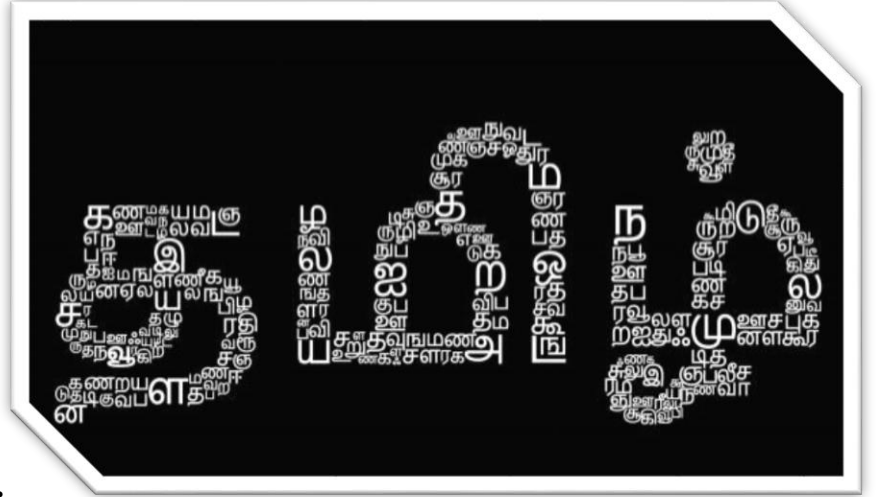
வெளிச்சத்திற்கு வந்துள்ளது. முதன் முதலில் இரும்பை பயன்படுத்திய நாகரிகம் எது என்ற கேள்விக்கு, சிவகலை பதில் சொல்லியுள்ளது.

இந்த கண்டுபிடிப்பு, வெறும் உலோகவியல் வரலாற்றை மட்டும் மாற்றியமைக்கவில்லை. பண்டைய தமிழர்களின் வாழ்க்கை முறை, தொழில்நுட்ப அறிவு, கலாச்சாரம் போன்ற பல அம்சங்களிலும் வெளிச்சம் பாய்ச்சுகிறது. சிவகலையில் கண்டெடுக்கப்பட்ட பொருட்கள்,

அக்கால மக்களின் கைவினைத் திறனையும், கலை நுணுக்கத்தையும் பறைசாற்றுகின்றன. சிந்து சமவெளி நாகரிகத்துடன் சமகாலத்தியதாகக் கருதப்படும் இந்த நாகரிகம், அக்கால இந்தியாவின் பண்பாட்டு செழுமைக்கு சான்றாக விளங்குகிறது.

சிவகலையின் இந்த மகத்தான கண்டுபிடிப்பு, இந்திய வரலாற்று ஆய்வுகளில் ஒரு திருப்புமுனையாகக் கருதப்படுகிறது. இனி வரும் காலங்களில், இப்பகுதியில் மேலும் பல ஆய்வுகள் மேற்கொள்ளப்பட்டு, தமிழர்களின் தொன்மை வரலாறு மேலும் ஆழமாக ஆராயப்படும். சிவகலை, வெறும் கிராமமாக இல்லாமல், இரும்பு யுகத்தின் தொட்டிலாக, உலக வரலாற்றில் தனக்கென ஒரு தனி இடத்தைப் பிடித்துள்ளது. இது, தமிழர்கள் அனைவருக்கும் பெருமை சேர்க்கும் ஒரு விஷயம்.

இந்த கண்டுபிடிப்பு, எதிர்காலச் சந்ததியினருக்கு ஒரு பாடமாக அமைகிறது. தொழில்நுட்பம் மற்றும் அறிவியல் துறைகளில் நாம் மேலும் கவனம் செலுத்த வேண்டும் என்பதையும், நமது முன்னோர்களின் சாதனைகளை மதித்துப் போற்ற



வேண்டும் என்பதையும் உணர்த்துகிறது. சிவகலை, காலத்தை வென்று நிற்கும் ஒரு வரலாற்றுப் பொக்கிஷமாக, நம் அனைவருக்கும் உந்துதலாக விளங்குகிறது.

அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



யாமறிந்த புலவரிலே! - ரா. அத்தைத் ராம் - V A



கீழே கொடுக்கப்பட்டுள்ள கட்டங்களில் நம் தமிழ் மொழிக்குப் பெருமை சேர்த்த புலவர்களும் கவிஞர்களும் மேலிருந்து கீழுமாய் இடமிருந்து வலமாய் ஒளிந்துள்ளனர். வாருங்கள் நாம் தேடி தெரிந்துகொள்வோம், நாமறிந்த புலவர்களை! கேள்விக்கட்டம்

பி	ண	ல்	பா	தி	ர	மி	ந	லி	ல்	பா	பி	ங்	ண
க	சி	பா	ங்	ண	ஐ	க	க்	தி	பி	தே	ஐ	ர்	சி
க	ண்	ண	தா	ச	ன்	ம	கீ	பா	சி	சா	மி	ந்	ரா
அ	ங்	ர	சா	தி	ந்	ள்	ர	தே	பா	தி	தே	ங்	ம
ப்	பா	கீ	பா	ர	தி	யா	ர்	பி	தே	பா	ஐ	தே	லி
பா	சி	மி	ர	ர்	சி	ள்	தே	பா	ங்	ந்	ர்	மி	ங்
த்	ந்	பி	தி	க	ல்	யா	ண	சு	ந்	த	ர	ம்	க
து	சு	ர	தா	தி	ள்	ங்	ல்	சா	பா	ஐ	ங்	ண	ம்
ரை	ர	ர்	ச	கீ	ல்	ம	தே	கீ	ண	பி	ந்	கீ	பி
ண	ஐ	ம	ன்	தே	ஐ	ர	ந்	ர்	தி	கீ	ண	க	ள்
ல்	க	பி	தே	சி	க	வி	நா	ய	க	ம்	பி	ள்	ளை
தே	மி	தி	லி	ண	ங்	க	பா	ள்	சா	தி	தே	தி	ல்
பி	சி	பா	தே	தி	ர	தி	பி	லி	பா	தே	ஐ	பி	சி
உ	வே	சா	மி	நா	த	ஐ	ய	ர்	கீ	ங்	ர	க	லி

மகாகவி _____
 உவமை கவிஞர் _____
 பன்மொழி புலவர் _____
 பாவேந்தர் _____
 தமிழ் தாத்தா _____
 நற்றமிழ் புலவர் _____
 கவிமணி _____
 நாமக்கல் கவிஞர் _____
 பட்டுக்கோட்டை _____
 கவியரசு _____

அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



புத்தகமும் உன் வாழ்க்கையும் - பிரஜித் வர்ஷன் ம - VII A

இன்று

தலைக் குனிந்து நீ படித்தால் நாளை

தலை நிமிர்ந்து வாழலாம்

படிக்கும் புத்தகங்களே நீ

உட்காரும் நாற்காலியைத்

தேர்வு செய்கிறது.

ஏனென்றால்,

நம்மால் நேற்றைய நாளை

சரி செய்ய முடியாது

ஆனால் நாளை நாளை

உருவாக்க முடியும்.



விடுகதை விளையாட்டு - சிவசூரியன் மு - VII A

1. உடம்பில்லா ஒருவன் 10 சட்டை அணிந்து இருப்பான் அவன் யார்?
2. கசக்கிப் பிழிந்தாலும் கடைசி வரை இனிப்பான் அவன் யார்?
3. சிறு தூசி விழுந்தாலும் குளமே கலங்கிவிடும் அது என்ன?
4. வாயிலே தோன்றி வாயிலே மறையும் பூ அது என்ன?
5. இடி இடிக்கும், மின்னல் மின்னும், மழை பெய்யாது?

அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



புத்தகம் – யாழினி நா – VII A

தொட்டு தொட்டு பார்த்தால்
அது வெறும் காகிதம்
தொடர்ந்து வாசித்தால் அதுவே
வெற்றியின் ஆயுதம்.
தனிமையில் வாசித்தால்
வாழ்க்கையை உணர வைக்கும்
ஆசானாய் கோலின்றி
கோபமின்றி போதிக்கும்
நீயே என் உலகம்
மனிதரேயின்றி போனாலும்
புத்தகம் போகாது
ஒரு நல்ல புத்தகம்
திறந்து கொண்டாள்
நரகத்தின் வாசல் மூடப்படும்
புத்தகங்கள்
இல்லையென்றால் சரித்திரம்
மௌனமாகிவிடும்
இலக்கியம் உவமையாகிப் போகும்
அதைத் தலை குனிந்து படித்தால்
அது நம்மை
வாழ்நாள் முழுவதும்
தலை நிமிரச் செய்யும்.

அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



முயற்சி - ரோஷ்னா பி - VIII B

முயன்றால் முடியாதது எதுவுமில்லை
அதில் எனக்கு சந்தேகமே இல்லை
வெற்றி வந்தால் தலைக்கணம்
கொள்ளாதே
தோல்வி வந்தால் கவலை கொள்ளாதே
தோல்வி வந்தால் நீ ஏற்றுக்கொள்
ஏனென்றால்
அதுதான் உன் வெற்றிக்கு முதல் படி
முதல் போட்டியில் வெற்றி கொள்
ஆனால் இரண்டாம் போட்டியில்
உன் அலட்சியத்தால்
தோல்வியடையாதே
பல உள்ளங்களும் உதடுகளும்
சொல்லத் துடிக்கும்
என்னவென்றால் உன்
முதல் வெற்றி அதிர்ஷ்டம் என்று

முயற்சி என்பது நான்கு எழுத்து சொல்
வாழ்க்கை என்பதும் நான்கு எழுத்து
சொல்
ஆதலால்
முயற்சி இருந்தால்
வளர்ச்சி பெற முடியும்
வளர்ச்சி இருந்தால் தான்
வாழ்க்கையில் வெற்றி பெற முடியும்
முயன்று பார்
உன்னால் எதையும் வெல்ல முடியும்
முயன்றால்
உன் மூச்சையும்
உன்னால் வெல்ல முடியும்
முயற்சிதான்
வாழ்க்கையின் முதல் பயிற்சி.



அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



கல்வி – யாஷினிகா மு – VIII B

அள்ள அள்ள குறையாத
அட்சய பாத்திரம்தான் கல்வி
அறிவு எனும் பெட்டகத்தைத்
திறக்க உதவும் ஒரே சாவி தான் கல்வி
அறியாமையை அகற்றி
அறிவைக் காட்டும்
அற்புத விளக்கு தான் கல்வி
நாட்டின் மிகப்பெரிய அரசனே கல்வி
அறிவு, குணம், நல்ல நடத்தையை
உருவாக்கிடுமே கல்வி
ஏடுகள் பல புரட்டியதால்
வாழ்க்கையில்
ஏற்றம் தந்திடுமே கல்வி
நம் வாழ்வை கற்பக விருட்சம் போல
வளரச் செய்யுமே கல்வி
கல்வி கற்பது தவம்
அதை கற்பிப்பது வரம்
யார் உன்னை கைவிட்டாலும்
கற்ற கல்வி கைவிடாது உன்னை.!



அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



இரு கேள்வி ஒரே பதில் - பிரணவி ப - V B

இரண்டு கேள்விகள் கேட்கப்படும், ஆனால் அதற்கு ஒரே சொல், இரண்டு கேள்விகளுக்கும் பதிலாய் தர வேண்டும். அதே சமயம் அந்த விடைக்கு இரு வேறு பொருள் இருக்க வேண்டும்.

- 1) “தேர் ஓடுவது எதனால்? தெருவை மெழுகுவது எதனால்?
- 2) நீ வசிக்கும் ஊர் எது? உன் காலில் காயம் வந்தது எப்படி?
- 3) சாம்பார் மணப்பதேன்? உடல் நலிவதேன்?
- 4) நாய் ஓடுவது ஏன்? நாக்கு இனிப்பது ஏன்?
- 5) தொடுக்கவும் செய்யலாம் – படிக்கவும் செய்யலாம் எது?

குறிப்புகளை பயன்படுத்தி கட்டங்களில் மறைந்துள்ள பெயரைக் கண்டுபிடிக்கவும்

ச	கி	மு	ரி	யு	ரு
கு	ன்	தா	ன்	ல்	சு
னி	ந்	ம	த	சி	ப
கா	பி	தி	ப	சொ	த்
அ	லு	பு	ரு	பா	தி
ர்	ண	ரோ	து	ரி	ரை

1. பாண்டவர்களின் தாய்
2. கவுரவர்களின் தாய்
3. அர்குனனின் மகன்
4. பாஞ்சாலியின் தந்தை
5. கவுரவர்களின் மாமா
6. பாண்டவர், கவுரவர்களின் குரு
7. அபிமன்யுவின் தாய்

அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



இரு கேள்வி ஒரே பதில் – பதில்கள் - பிரணவி ப - V B

பதில்

1. அச்சாணியால்
2. செங்கல்பட்டு
3. பெருங் காயத்தால்!
4. கல்கண்டு
5. நூல்

பதில்

1. பாண்டவர்களின் தாய் - குந்தி
2. கவுரவர்களின் தாய் - காந்தாரி
3. அர்ச்சுனனின் மகன் - அபிமன்யு
4. பாஞ்சாலியின் தந்தை - துருபதன்
5. கவுரவர்களின் மாமா - சகுனி
6. பாண்டவர், கவுரவர்களின் குரு - துரோணர்
7. அபிமன்யுவின் தாய் - சுபத்திரை

விடுகதை விளையாட்டு – பதில்கள் – சிவசூரியன் மு – VII A

1. வெங்காயம்
2. கரும்பு
3. கண்
4. சிரிப்பு
5. பட்டாசு

அ ஆ இ ஈ உ ஊ எ ஏ ஐ ஒ ஓ ஔ ஃ



யாமறிந்த புலவரிலே! - பதில்கள் - ரா. அத்வைத் ராம் - V A

பி	ண	ல்	பா	தி	ர	மி	ந	லி	ல்	பா	பி	ங்	ண
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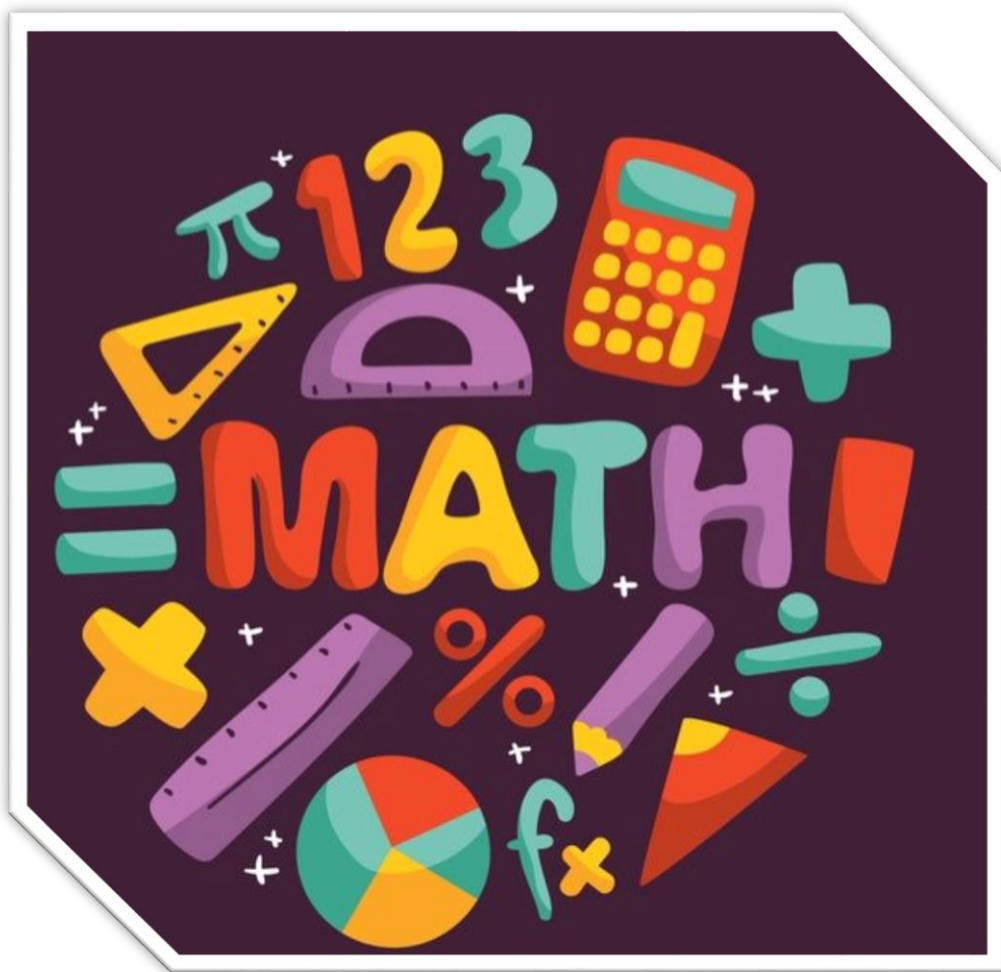
மகாகவி பாரதியார்
பாவேந்தர் பாரதிதாசன்
கவிமணி தேசிக
விநாயகம் பிள்ளை
உவமை கவிஞர் சுரதா
நாமக்கல் கவிஞர்
ராமலிங்கம் பிள்ளை
தமிழ் தாத்தா உவே
சாமிநாத ஐயர்
பன்மொழி புலவர் த
அப்பாத்துரை
நற்றமிழ் புலவர் நக்கீரர்
பட்டுக்கோட்டை
கல்யாணசுந்தரம்
கவியரசு கண்ணதாசன்

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MATHS





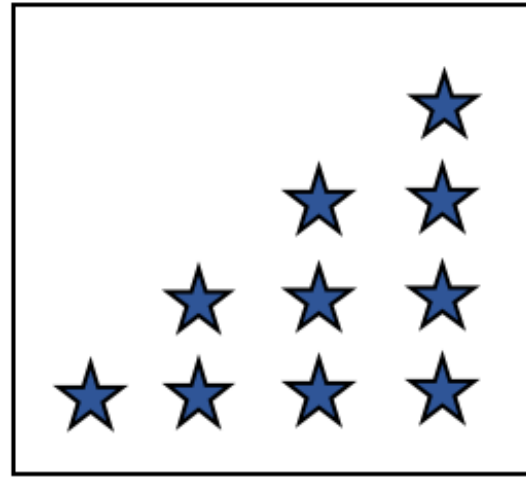
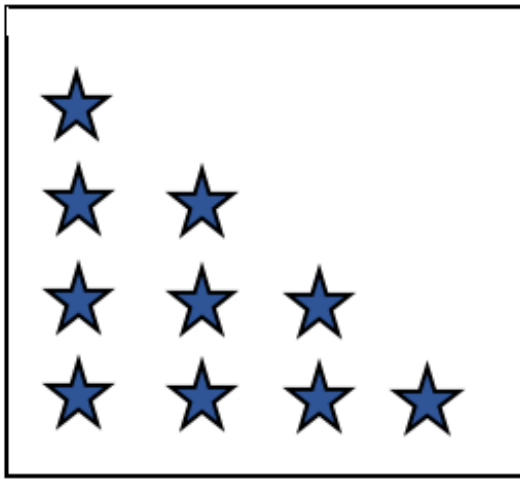
SOLVE IT IF YOU CAN - NIKHILESH L - III A

Change the given pattern on the left to the right by moving only three stars.

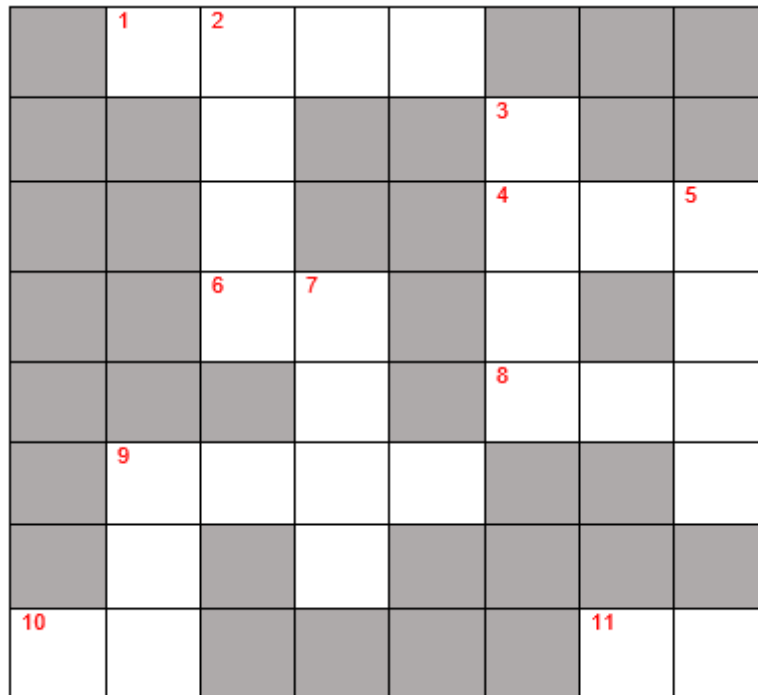
Change



Into



CROSSWORD FUN - VISVASHREE K M - III A



Across:

- 1) India got its independence this year.
- 4) Number of days in a leap year.
- 6) A chess board has _____ squares.
- 8) James Bond number.
- 10) Golden jubilee year.
- 11) You are eligible to vote when you turn _____.

Down:

- 2) Greatest 4-digit number with different digits.
- 3) Greatest 4-digit number formed using the digits 1, 3, 5, 0.
- 5) Kaprekar's constant.
- 7) Predecessor of 4322.
- 9) Perfect score / Century.



MAGIC SQUARE – SHASMITHA L - V B



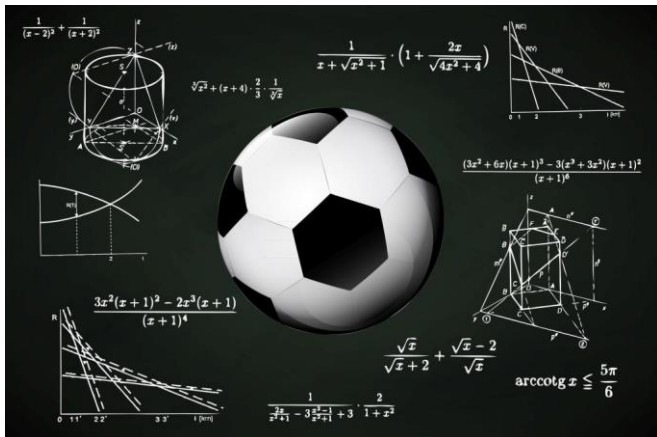
96	11	89	68
88	69	91	16
61	86	18	99
19	98	66	81

1. Every single row of numbers has the exact same sum (Left to right).
2. This is the same sum as every single column of numbers (Top to bottom).
3. The two diagonals also have the same sum.
4. Every single 2 x 2 grid also has the same sum.
5. Even more amazing, if we turn this square upside down, we get another magic square with these exact same properties.
6. We can even take the mirror image of this magic square, we get the exact same properties.



Introduction:

We all have a favourite sport. May it be cricket, football, badminton, tennis etc. But do you know that most of the games that we see, play and enjoy involve a huge amount of mathematics in it. We might think that Mathematics and cricket are an unlikely pair, but they fuse together to form the sports that we all relish.



Statistics in sports: The basics:

Let me start with a topic that all of us know - the statistics. For this heading, I will use an example that most of us know, which is cricket. To calculate the run rate in cricket, we must divide the total runs scored by the batting team by the no. of overs they played. This is an example of using mean (Average) in sports. The Duckworth–Lewis–Stern method (DLS) is a mathematical formulation designed to calculate the target score (number of runs needed to win) for the team batting second in a limited overs cricket match. It is a very important method by which cricket matches can be played even during weather interruptions.

Mean Formula

$$m = \frac{\text{sum of the terms}}{\text{total number of terms}}$$

Mean Formula

$$\text{Run rate} = \frac{\text{Sum of the runs}}{\text{total no of overs played}}$$

Player and game analysis:

Player analysis is used in many games, especially in football. We can predict the dew and moisture in the football stadiums. Moreover, we can predict the offensive or defensive tactics of the opposition team. Chess involves critical analysis, computations, spatial reasoning to find solutions and ultimately win the game.

Mathematics in games:

To pursue a career in game development, it is important to know certain Mathematics topics like geometry, trigonometry, statistics, calculus, linear algebra, etc. Games are intricate systems that demand a great deal of mathematics. It is also used to predict outcomes based on the situation of the game.

Conclusion:

In conclusion, Mathematics plays a pivotal role in sports and games. In other words, we can say mathematics is in every minute particle of sports. Whether in the field or on the servers, Mathematics helps us to achieve excellence and be an ace in our game!

THE FASCINATING WORLD OF NUMBERS - GOKUL S P - XI B

THE FASCINATING WORLD OF NUMBERS: AN EXPLORATION THROUGH MATHEMATICAL PUZZLES

1. The Magic of Fibonacci Sequence

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55...

Problem 1: Calculate the 10th number in the Fibonacci sequence. Then, try to find the ratio between consecutive Fibonacci numbers as you move along the sequence. What do you notice about the ratio as the numbers get larger?

Answer:

- The 10th number in the Fibonacci sequence is **34**.
- The ratio of consecutive Fibonacci numbers approaches the golden ratio, approximately **1.618**. For example, $55/34 \approx 1.618$.

2. Prime Numbers: The Building Blocks of Mathematics

Problem 2: Find all the prime numbers between 1 and 50. After identifying them, think about why prime numbers are considered the "building blocks" of all numbers.

Answer: The prime numbers between 1 and 50 are **2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47**.

- Prime numbers are considered the "building blocks" of all numbers because any positive integer can be factored into prime numbers. For example, $28 = 2 \times 2 \times 7$.

Extension Answer: Multiplying two prime numbers results in a composite number. For example:

- $7 \times 11 = 77$
- $13 \times 17 = 221$

3. The Puzzle of Palindromic Numbers

Problem 3: Find all palindromic numbers between 100 and 200. What pattern do you observe? Can you find a method to identify palindromic numbers quickly?

Answer: The palindromic numbers between 100 and 200 are **101, 111, 121, 131, 141, 151, 161, 171, 181, 191**.

4. Geometry Puzzles: The Mystery of Triangles

Problem 4: Given a triangle with two angles measuring 45° and 60° , find the measure of the third angle. Now, imagine you have a triangle with two equal angles. What can you infer about this triangle?

Answer:

- The third angle in the triangle is 75° (since $180^\circ - 45^\circ - 60^\circ = 75^\circ$).
- A triangle with two equal angles is known as an **isosceles triangle**. The sides opposite the equal angles are also equal in length.

5. The World of Probability: A Coin Toss Dilemma

Problem 5: If you flip a coin three times, what is the probability of getting exactly two heads? Explore the different possibilities and list all the outcomes.

Answer: The total number of possible outcomes when flipping a coin three times is **8** (since $2^3 = 8$). These outcomes are HHH, HHT, HTH, HTT, THH, THT, TTH, and TTT.

- The number of outcomes with exactly two heads is **3** (HHT, HTH, THH).
- Therefore, the probability of getting exactly two heads is **$\frac{3}{8}$** .



MATH IN EVERYDAY LIFE – RONAK A - XI C

Math is very useful in everyday life. Math can help us do many things that are important in our everyday lives. Here are some daily tasks for which math is important:

- Managing money \$\$\$
- Balancing the cheque book
- Shopping for the best price
- Preparing food
- Figuring out distance, time and cost for travel
- Understanding loans for cars, trucks, homes, schooling or other purposes

Examples of Math Connections in Daily life:

1.MANAGING MONEY:

We learn skills in algebra class that helps us to manage money. One important skill that we learn is how to calculate interest and compound interest.

2.RECREATIONAL SPORTS:

Geometry and trigonometry help us to improve our skill in sports. It helps us to find the best way to hit a ball, make a basket or run around the track. Basic knowledge of math also helps to keep track of sports scores.

3. SHOPPING:

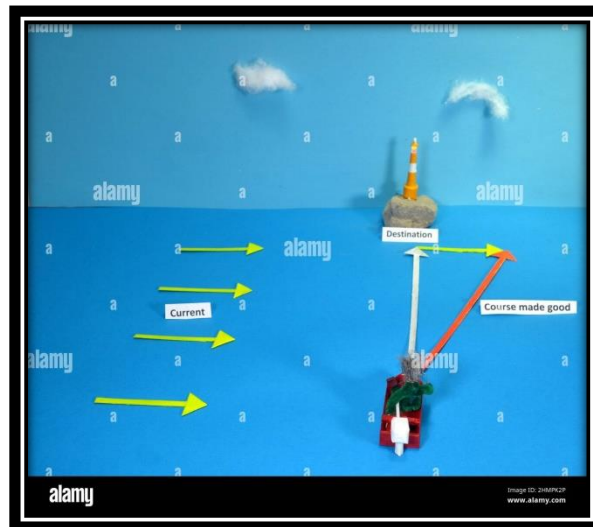
We use math while buying different items. When you buy a new computer, we need to figure out which store offers the best price. Math is useful in finding the best deal for food items. Stores often announce offer on sales that gives a percentage off on original price. It is helpful for people to know how to figure out the savings.

USES OF TRIGONOMETRY IN REAL LIFE:

1. NAVIGATION:

For navigating, especially in maritime or aviation contexts, trigonometry is used to determine positions.

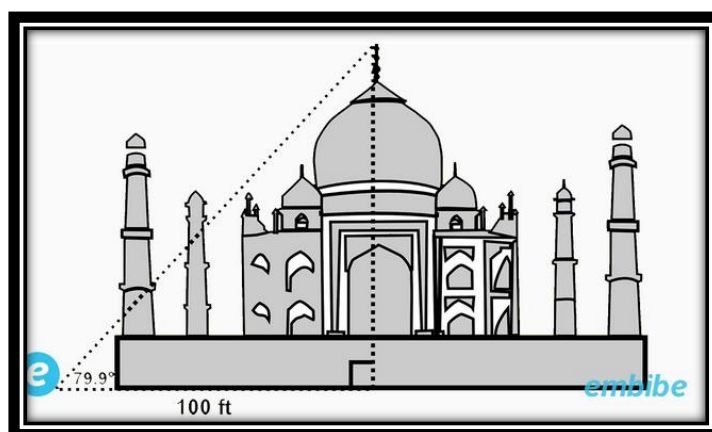
Example: A sailor uses trigonometry to find his way to a destination by measuring angles from known landmarks to calculate their current position.



2. CONSTRUCTION

In construction, trigonometry helps in determining distances, angles, and heights. It is used in designing structures, calculating slopes, and ensuring that everything is aligned correctly.

Example: To determine the height of a building, you can measure the distance from the base of the building to a point where you can see the top of the building at a known angle of elevation.



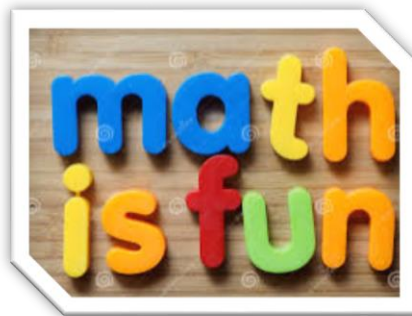
3. SPORTS:

In sports, trigonometry can help in calculating angles and distances of various strategies. For instance, in golf, trigonometry helps in determining the angle and distance to the hole, based on the layout of the golf course.

Example: A golfer uses trigonometric calculations to determine the angle and force needed, to make a successful shot.



FUN WITH MATH – PRANAVI P - V B



1. Decode the Logic and **find the number for DECEMBER?**

January 713

March 531

May 351

July 471

August 683

2. I have some pencils and some jars.
If I put 4 pencils into each jar, I will have 1 jar left over.
If I put 3 pencils into each jar. I will have 1 pencil left over.
Now find, how many pencils and how many jars I have?
3. Place addition signs between the digits of the number 987654321 to make the sum 99. How many addition signs will be needed?
4. Follow the pattern and find answer for $7+2+5=?$
 $5+3+2=15$
 $10+2+2=22$
 $9+2+4=18$
 $3+6+5=22$
 $8+6+3=48$
 $2+4+6=26$
5. You walk into a room and see a cot. On the cot, there are two dogs, four cats, a giraffe, five cows and a duck. There are also three chickens flying over the cot. How many legs are on the floor?
6. If a Giraffe has two eyes, monkey has two eyes and an elephant has two eyes, how many eyes do we have?
7. You are a driver and driving a bus with 10 people on it. In first stop 2 got off and 3 got in, Second stop 5 got off and 4 got in, third stop 6 got off and 2 got in. Now tell the age of the driver?
8. Follow the logic and find answer for Turquoise=?
Saffron = 49
Black = 25
Red = 9
Blue = 16
Yellow = 36
9. Can you guess the first number name which has "A" letter in it?



ADVENTURE WITH MATHS – ARRJUN RAO M – VI B

Let's learn Maths!

Suraj is hosting a party for all of his friends. Here's what he ordered for the party:

Items	Quantity
Samosa	17
Burgers	6
Cakes	8
Juices	2 L

Now Ishan, Surat's friend loves to eat cakes. If Ishan wants 3 cakes and 7 of his friends want $1\frac{1}{2}$ of 1 cake, then how many cakes would he need?

Fun Facts

1. Why was 'Mr. Equal to' very humble?
2. $1089 \times 9 = \dots\dots\dots$
3. $111, 111, 111 \times 111, 111, 111 =$ Palindrome no.....



MATH CROSSWORD PUZZLE - SIVA SURYAN M – VII A

Solve the crossword puzzle using the given math-related clues. Write your answers in the boxes provided.

Across:

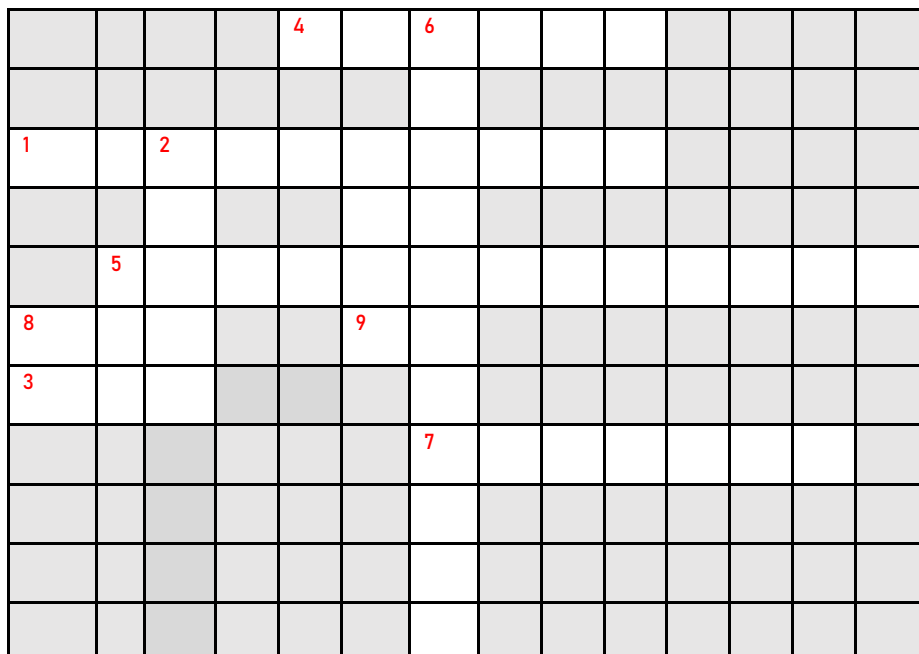
1. The longest side of a right-angled triangle (10 letters)
3. The number which is neither prime nor composite (3 letters)
4. The middle value in an ordered data set (6 letters) -
5. The distance around a circle (13 letters)
7. The branch of mathematics dealing with symbols and letters (7 letters)
8. The answer to an addition problem (3 letters)

Down:

2. A number that has exactly two factors (5 letters)
6. The bottom number of a fraction (11 letters)

Up:

9. A 3D shape with six square faces (4 letters)



Unlocking the Mystery of Surds: The Key to Irrational Numbers

What Are Surds?

Mathematics is filled with fascinating concepts, and one that often intrigues students is **surds**. These special numbers may appear mysterious at first, but they are essential in understanding the deeper structure of mathematics. Let's dive into the world of surds and see why they matter.

A **surd** is an irrational number that cannot be simplified into a rational form, but is typically represented as a square root, cube root, or other root. For example, $\sqrt{2}$ and $\sqrt{3}$ are surds, but $\sqrt{4}$ is not because it simplifies to 2.

Why Are Surds Important?

Surds are important because they allow us to express exact values in situations where decimals would only provide an approximation. Surds play a critical role in various mathematical fields such as geometry, algebra, and even physics. Since surds represent exact values, they are useful in precision-based calculations like engineering or construction. For instance, the diagonal of a square with side length 1 is $\sqrt{2}$, which cannot be perfectly represented as a finite decimal.

Simplifying Surds

Mathematicians often simplify surds to make expressions easier to work with. For example:

- $\sqrt{50} = \sqrt{(25 \times 2)} = 5\sqrt{2}$
- $\sqrt{72} = \sqrt{(36 \times 2)} = 6\sqrt{2}$

Simplifying surds involves breaking them down into their prime factors to extract the largest perfect square.

Adding and Subtracting Surds

Combining surds follows specific rules. Like terms (those with the same surd part) can be added or subtracted. For example:

- $3\sqrt{5} + 2\sqrt{5} = 5\sqrt{5}$
- $4\sqrt{3} - \sqrt{3} = 3\sqrt{3}$

Real-World Applications

Surds are not just theoretical. Architects and designers often encounter surds when calculating dimensions that rely on irrational numbers. In computer graphics, surds contribute to precise scaling and positioning.

Conclusion

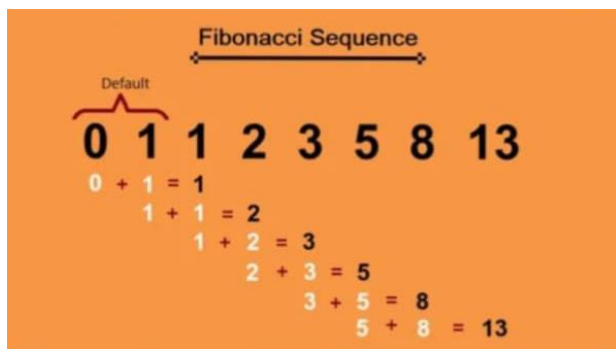
While surds may seem daunting at first, they are a powerful tool for representing irrational numbers accurately. Understanding surds not only strengthens your math skills but also deepens your appreciation for the elegance of numbers. So next time you encounter $\sqrt{2}$ or $\sqrt{3}$, remember, you're dealing with one of math's most fascinating concepts!

THE BEAUTY OF MATHEMATICS - FAAZILA SAFRIN M A – IX B

The Beauty of Mathematics: Uncovering the Patterns in Our World

Mathematics is often perceived as a subject filled with complex formulas and abstract concepts, but have you ever wondered about the beauty that lies beneath the surface? Mathematics is the language of our universe, and it is present in every aspect of our lives, from the intricate patterns in nature to the technology that powers our modern world.

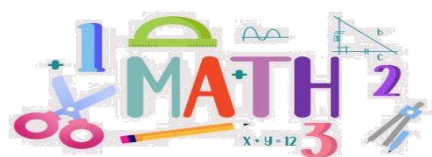
One of the most captivating aspects of mathematics is its ability to reveal the hidden patterns that govern our world. Take, for example, the Fibonacci sequence, a series of numbers where each number is the sum of the two preceding ones. This sequence appears in the arrangement of leaves on a stem, the petals of a flower, and even in the spiral of a seashell. It's amazing to think that such a simple pattern can be found in so many places in nature!



Another fascinating area of mathematics is geometry. From the symmetry of a snowflake to the intricate designs of art, geometry is everywhere. It's the foundation of architecture, allowing us to build structure that are both functional and geometrical. Geometry also plays a crucial role in the world of technology, enabling us to create computer graphics, design efficient transportation systems, and even explore the mysteries of the universe.

Mathematics is not just about numbers and formulae; it's a tool that helps us understand the world around us. By studying mathematics, we can gain insights into the behaviour of complex systems, from the stock market to the spread of diseases. We can also use mathematics to make informed decisions, whether it's choosing the best investment strategy or designing a more efficient transportation system.

In conclusion, mathematics is a subject that is both fascinating and essential. It's a language that allows us to communicate with the universe and uncover the hidden patterns that govern our world. So, the next time you find yourself struggling with a math problem, remember that you are part of a long tradition of thinkers and innovators who have used mathematics to push the boundaries of human knowledge and create a better world.



SOLVE IT IF YOU CAN - ANSWERS - NIKHILESH L - III A

Move 1:



Move 2:



Move 3:



CROSSWORD FUN – ANSWERS - VISVASHREE K M - III A

	¹ 1	² 9	4	7			
		8			³ 5		
		7			⁴ 3	⁵ 6	6
		⁶ 6	⁷ 4		1		1
			3		⁸ 0	0	7
	⁹ 1	7	2	9			4
	0		1				
¹⁰ 5	0					¹¹ 1	8

MAGIC SQUARE - ANSWERS – SHASMITHA L - V B

SUM = 264



FUN WITH MATH - ANSWERS – PRANAVI P – V B

1. DECEMBER 8123. (1st digit number of letters, 2nd digit month number, 3rd digit number of vowels)
2. 16 Pencils and 5 Jars (5 jars are there, if you start putting 4 pencils in each jar then 5th jar will be empty and then if you put 3 pencils in each jar then 15 pencils are occupied and 1 pencil will be left over)
3. 5 signs needed ($19+28+37+4+5+6=99$)
4. $7*2=14$ $7*5=35$ $14+35-2(\text{middle number})=47$ so 143547
5. Total 6 Legs (2 Legs of us+4 legs of Bed)
6. 4 eyes (yours =2 + mine=2)
7. Your Age (As you are driver)
8. 81
9. Number name “Thousand”

ADVENTURE WITH MATHS - ANSWERS – ARRJUN RAO M - VI B

Ans: Ishan wants	=	3			
Friends	=	(1.5×7)	=	10.5	
No. of cakes needed	=	$(10.5+3)$	-	8	
	=	$13.5-8$			
	=	5.5	=	6 cakes are required	

Fun Facts

1. Because he knew that he was neither greater nor smaller than anyone.
2. 9801
3. 12345678987654321



MATH CROSSWORD PUZZLE - ANSWERS - SIVA SURYAN M - VII A

				⁴ M	E	⁶ D	I	A	N				
						E							
¹ H	Y	² P	O	T	E	N	U	S	E				
		R			B	O							
	⁵ C	I	R	C	U	M	F	E	R	E	N	C	E
⁸ S	U	M			⁹ C	I							
³ O	N	E				N							
						⁷ A	L	G	E	B	R	A	
						T							
						O							
						R							

Across:

1. HYPOTENUSE - The longest side of a right-angled triangle
3. ONE - The number which is neither prime nor composite
4. MEDIAN - The middle value in an ordered data set
5. CIRCUMFERENCE - The distance around a circle
7. ALGEBRA - The branch of mathematics dealing with symbols and letters
8. SUM - The answer to an addition problem

Down:

2. PRIME - A number that has exactly two factors
6. DENOMINATOR - The bottom number of a fraction

Up:

9. CUBE – A 3D shape with six square faces

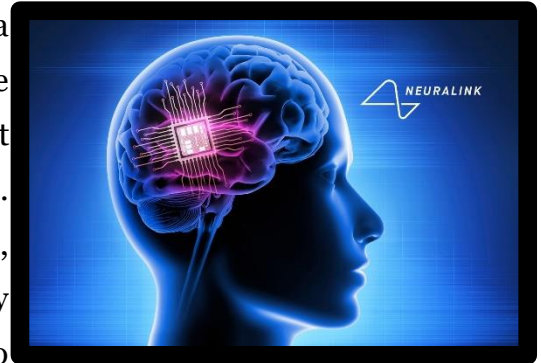




SCIENCE



Neuralink, founded by Elon Musk in 2016, is a neurotechnology company aiming to develop implantable Brain-Machine Interfaces (BMIs) that enable direct communication between the human brain and computers. The company's mission is to solve neurological disorders, enhance human cognitive abilities, and potentially integrate artificial intelligence with human brains to safeguard humanity's future.



The Vision behind Neuralink

Elon Musk's vision for Neuralink is based on the belief that humans need to evolve alongside AI to avoid being outpaced by it. While AI development continues at a rapid pace, Neuralink also aims to address various neurological conditions, including Alzheimer's disease, Parkinson's disease, spinal cord injuries, epilepsy, and more, by creating a device that interfaces directly with brain activity. This could lead to ground-breaking advancements in medicine, where the brain's natural processes can be restored or enhanced through technology.

How Does Neuralink Work?

Neuralink's core device is a small, coin-sized chip, called the **Link**, which is designed to be implanted in the skull. It connects with the brain via ultra-thin, flexible electrodes—thinner than a human hair—inserted into specific brain regions. These electrodes can record and stimulate electrical signals in the brain, enabling the device to communicate directly with neurons.

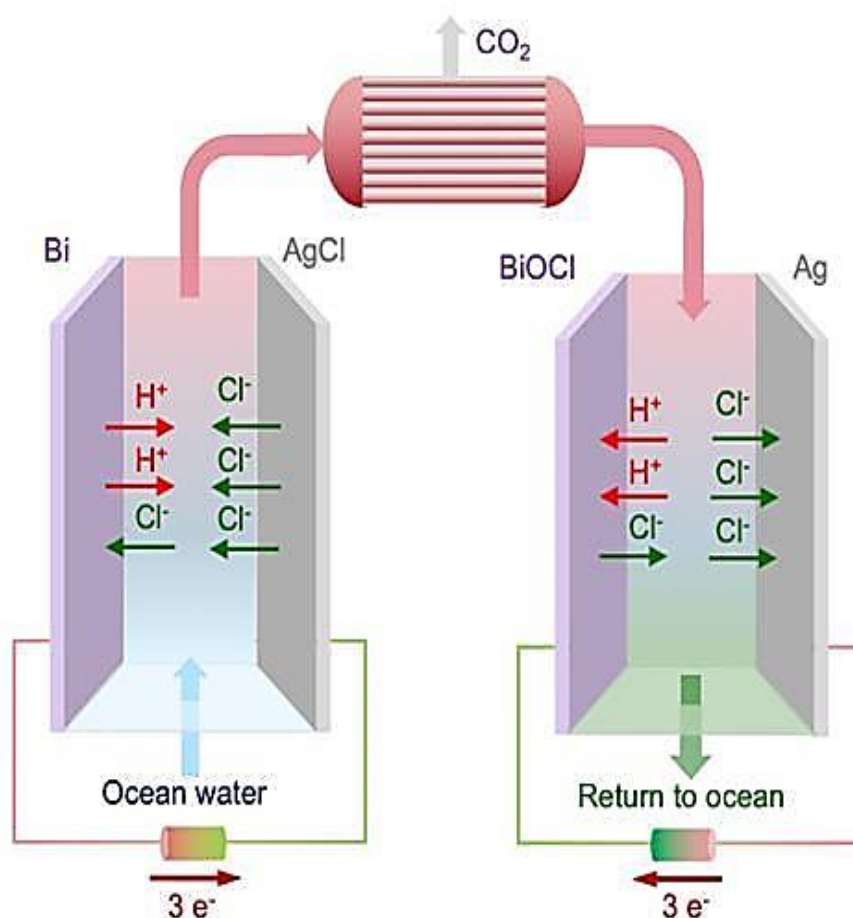
The chip includes several advanced features:

- **Electrodes:** Hundreds of ultra-thin, flexible electrodes that can detect and record brain activity.
- **Bluetooth Connectivity:** The chip wirelessly communicates with external devices like smartphones or computers via Bluetooth.
- **Battery:** It is powered by an internal battery that charges wirelessly.

Conclusion

Neuralink offers ground-breaking potential in both medicine and technology. Though still in development, Neuralink's advancements may reshape our future, merging human intelligence with AI for a more connected world.





In recent years, the ocean has come to be recognized as a global-scale reservoir for atmospheric CO₂. The removal of CO₂ from ocean water is thus considered a compelling approach to reduce ambient CO₂ concentrations, and potentially achieve net-negative emissions. As an effective means of oceanic CO₂ capture, we report an asymmetric electrochemical system employing bismuth and silver electrodes that can capture and release chloride ions by Faradaic reactions upon application of appropriate cell voltages. The difference in reaction stoichiometry between the two electrodes enables an electrochemical system architecture for a chloride-mediated electrochemical pH swing, which can be leveraged for effective removal of CO₂ from ocean water without costly bipolar membranes. With two silver–bismuth systems operating in tandem in a cyclic process, one acidifying the ocean water, and the other regenerating the electrodes through alkalization of the treated stream, CO₂ can be continuously removed from simulated ocean water with a relatively low energy consumption of 122 kJ mol⁻¹, and high electron efficiency.



The Secret Lives of Animals: How They Communicate Without Words

INTRODUCTION

The animal kingdom is full of hidden communication systems that are nothing short of fascinating. While humans rely on spoken language to connect, animals communicate in a variety of intricate and creative ways, often using methods that are invisible to our eyes or beyond our comprehension. From body language to scent trails, animals have developed unique ways to interact with one another, ensuring survival, establishing relationships, and even navigating their environments. In this article, we explore the diverse and sometimes surprising ways that animals communicate without words.

1. The Power of Body Language

One of the most prevalent forms of non-verbal communication in the animal world is body language. Whether it's the wag of a dog's tail or the subtle flick of a cat's ears, animals rely on postures, gestures, and movements to express their emotions and intentions. Dogs are perhaps the best-known body-language communicators. A wagging tail can signal joy, but the way a dog holds its body—ears up, tail stiff—may be a sign of alertness or aggression. A relaxed posture often signals comfort and safety. Cats communicate with their tails, too. A high, upright tail suggests confidence or friendliness, while a flicking tail can indicate frustration or annoyance. A cat may also “speak” through ear positioning—flattened ears indicate fear or anger, while perked-up ears show curiosity or attentiveness.

Birds, especially parrots, use elaborate feather displays and body postures to indicate their moods. A puffed-up chest might signal readiness for mating, while a lowered head could be a sign of submission or even distress.

2. Vocalization: More Than Just Sound

While animals don't have words like humans do, they have mastered the art of sound communication in incredible ways. From the haunting songs of whales to the intricate clicks of dolphins, animal vocalizations are rich with meaning.

Whales and Dolphins use a variety of sounds to communicate with their pods. Whales are known for their long, complex songs that can travel great distances across the ocean, and these songs can indicate everything from mating behaviors to warning calls. Dolphins, on the other hand, rely heavily on clicks and whistles, often conveying information about location, food, and emotions. Elephants have an incredible range of vocalizations, from rumbles to trumpets. The low-frequency rumbles can travel for miles, allowing elephants to communicate over long distances, alerting others to danger or expressing a sense of calm and unity within their group. Even cats and dogs use vocalizations to communicate. Dogs bark to express excitement, fear, or alert others of danger. Cats, while generally quieter, might meow to demand attention, express hunger, or signal distress.

3. The Language of Scent

Scent is an essential form of communication for many animals, particularly those with highly developed olfactory senses. Animals use scent to mark territories, communicate mating readiness, and even convey emotional states.

Dogs are experts in the scent department, using their noses to pick up a vast array of signals. A dog's sense of smell is so advanced that it can "read" pheromones and chemical signals left behind by other animals, allowing them to understand information about territory, social status, and even the emotional state of their fellow creatures. Ants communicate primarily through pheromones, chemical signals that convey information about food sources, danger, or the need for more workers. When an ant finds food, it marks a trail with pheromones that others follow, guiding them to the discovery. Even bears and wolves use scent to mark their territory, sending strong signals to others about boundaries and ownership.

4. Electromagnetic Communication

In the underwater world, where visibility is often limited, some animals have developed the ability to communicate using electrical signals. Fish like the electric eel and electric rays use electric fields to communicate with one another.

Electric fish, such as the electric eel, emit electrical pulses to detect prey and navigate through murky waters. These pulses also serve as a form of communication, allowing the fish to signal other members of their species. This type of electrical communication is essential in the dark, underwater world where other forms of communication may be ineffective. Similarly, sharks and rays use electroreception to detect the presence of prey or to navigate through their environments, allowing them to communicate their location through their own electromagnetic fields.

5. Color and Patterns: The Visual Language

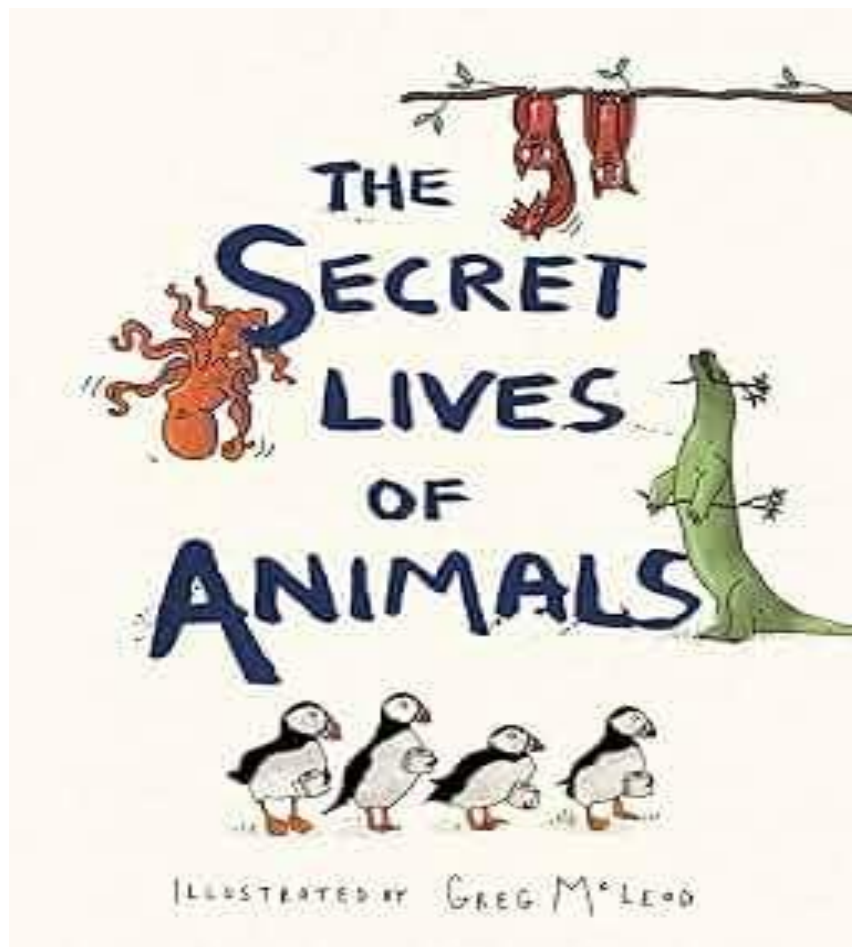
For some animals, color and pattern changes play a pivotal role in communication. These animals are able to express moods, intentions, and even attract mates with the vivid displays of their skins or feathers. Chameleons are the masters of color communication. They change their colors not just to blend into their surroundings but also to communicate their emotional state. A bright, vibrant hue might indicate that the chameleon is ready to mate, while darker colors may signal stress or aggression.

Octopuses, too, are known for their stunning ability to change both the color and texture of their skin. This camouflage ability serves multiple functions, including evading predators, signaling potential mates, and communicating with others in their environment.

Conclusion

Animal communication is a far more complex and fascinating phenomenon than we often realize. From subtle body movements to intricate vocalizations and scent trails, animals are constantly sending and receiving signals that are essential to

their survival and social interactions. While we may not always understand these messages, the secret lives of animals show us that communication transcends words, relying instead on a rich language of gestures, sounds, and signals. Understanding these diverse methods of communication deepens our appreciation for the complexity of the animal world and the incredible ways in which non-human species navigate and connect with one another.



AI refers to the intelligence of the machines. It is in contrast to the natural intelligence of humans and animals. With AI machines perform functions such as learning, planning, problem solving and reasoning. Most noteworthy AI is the simulation of human intelligence by machines. It is probably the fastest growing development in the world of technology and innovation. Furthermore, many experts believe AI could solve major challenges and crisis situations.

Artificial intelligence is classified into four types. Arend Hintze came up with this categorization.

These categorizations are as follows:

Reactive machines – Machines can react to situations. A superbly famous example may be the Deep Blue, the IBM chess program. Most noteworthy, the chess program won against Garry Kasparov, most popular chess legend. Furthermore, such machines lack memory. These machines certainly cannot use past experiences to better the future moves. It analyses all possible alternatives and chooses the best ones.

Limited memory power – These AI systems are capable of using past experiences to inform future ones. A good example can be self driven cars. Such cars have Decision Making Systems (DMS). The car makes actions like changing lanes. Most noteworthy, these actions come from observations. There is no permanent storage of these observations.

Theory of mind – This refers to understand others. Above all, this means to understand that others have their beliefs, intentions, desires and opinions. However, this type of AI does not exist yet.

Self awareness – This is the highest and most sophisticated level of Artificial Intelligence. Such systems have a sense of self. Furthermore, they have awareness, consciousness and emotions. Obviously, such system does not exist yet. This technology would certainly be a revolution.

AI can certainly make education more efficient. AI technology can discover needs of students. Then it can adapt it to their needs. AI tutors provide study help to students. Also, AI can automate grading which results in saving a lot of time.



INTERESTING FACTS ABOUT EYES - AKASH CHANDRU L - IV B

1. Unique as fingerprints: Just like fingerprints, no two people have the same iris pattern.
2. Blind spot: Everyone has a blind spot in each eye, located where the optic nerve connects to the retina.
3. Eye movement: Our eyes move about 3 times per second, and we blink around 12-15 times per minute.
4. Colour vision: Most people have trichromatic vision, meaning we have 3 types of colour receptors, sensitive to red, green, and blue light.
5. Eye processing: Our eyes process 36,000 bits of information every hour, equivalent to the contents of the Library of Congress!
6. Night vision: In low light, our pupils dilate to let in more light, and our eyes become more sensitive to movement.
7. Eye dominance: Most people have a dominant eye, which is the eye that their brain favours when processing visual information.
8. Tears: We produce about 1.5 litres of tears per year, which protects and lubricates our eyes.
9. Eye shape: The shape of our eyes is determined by our ethnicity and genetics, with some people having more angular or almond-shaped eyes.

Vision development: Babies are born with limited vision, but their eyes develop rapidly in the first few months of life.



TESTING YOUR KNOWLEDGE (RIDDLES) – PREKSHA S - IV A

1. What grows only upwards and can never come down?
2. What can go up and down without moving?
3. You will find me in Mercury, Earth, Mars and Jupiter, but not in Venus or Neptune. What am I?
4. What are the three R's that keep our planet clean?
5. What is the center of gravity?
6. What runs faster, cold or hot?
7. What kind of tree can fit into your hand?
8. What has a mouth but cannot chew?
9. I am excellent to taste, who am I?
10. What can eat a lot of iron without getting sick?

WEIRD COLOURS OF MILK FROM MAMMALS - VRUDHIKAA AIYYAR B - IV B

1. Pink milk from the hippopotamus
2. Yellow milk from the reindeer
3. Orange milk from the polar bear
4. Green milk from the platypus
5. Blue milk from the whale
6. Purple milk from the elephant seal

These colors may vary depending on various factors, such as diet, age, and health conditions.



WHETTING YOUR APPETITIE - SOORYA RANGANATHAN – IV A

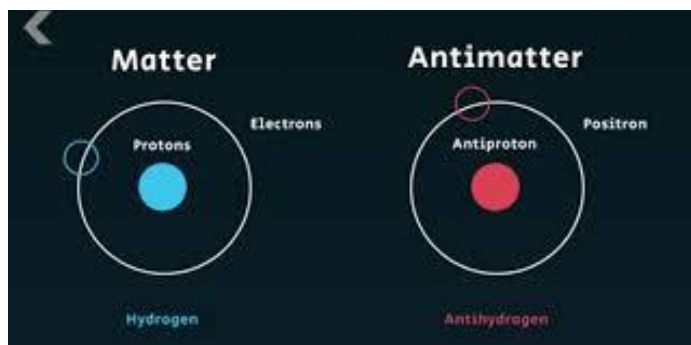
1. What is the wealthiest nut?
2. What did the doctor prescribe to the sick lemon?
3. You cut me up, you chop me up, you dice me up and you cry over me. What am I?
4. What kind of fruit do computer nerds love the most?
5. I am a bird, I am a fruit and I am a person. What am I?
6. What kind of vegetable do people look forward to getting every month?
7. I am a stick stuck in a ball of sweetness. What am I?
8. Which fruit is a celebrity?
9. Who is the father of all fruits?
10. What fruit can you use to sip water?
11. What kind of dessert is the best chef?
12. What is the tastiest kind of sand?
13. What kind of room can you eat?
14. What kind of drink loves an earthquake?
15. I am a bell yet you can't ring me. I sound hot but I am not.

ANTIMATTER: THE OTHER SIDE OF MATTER - ATHULA KRISHNA P - IX B

INTRODUCTION:

We all know what matter is. Matter is the physical substance that makes up the universe. It has mass and takes up space. But what is antimatter? Antimatter is the opposite of normal matter, having the same mass. Antimatter can be referred to as the mirror image of matter. It exists in very minute quantities in our planet. There are many sources of antimatter like cosmic rays, bananas, particle accelerators and radioactive decay.

ANTIPARTICLES:



Antimatter is made up of Antiparticles. They are subatomic particles who share the same mass and opposite electric charges and magnetic movement. There are three types of Antiparticle, corresponding to electron, proton and neutron, namely:

- Positron or Antielectron: Antiparticle of an electron
- Antiproton: Antiparticles of a proton
- Antineutron: Antimatter of a neutron

HISTORY OF ANTIMATTER AND THE RECENT DEVELOPMENTS:

Paul Dirac, who was an English Mathematician and Theoretical Physicist, predicted the existence of positrons(antielectrons) using the Schrodinger Wave Equation in the year 1928 by formulating the behaviour of the positron. The first discovery of positron was in 1932, by Carl Anderson while he was studying the cosmic rays. Then, in the year 1955, particle accelerators were built by two scientists which led to the creation of antiprotons.

Some of the recent developments in Antimatter are transporting it using special containers, yielding the highest positron creation and the discovery that Antimatter acts just like normal subatomic particles by responding to gravity.

CONCLUSION:

Even now, Antimatter remains a mystery as we know very little about it. From the year 1928 to this present day, every discovery relating to Antimatter makes us one step closer to discovering something that reshapes the understanding of our whole universe and will cause a new invention in the field of science and technology.

THE APPLICATION OF GAME THEORY IN SCIENCE - ATHULA KRISHNA P - IX B

Introduction:

Before understanding the application of Game Theory in the field of Science, we have to first understand and visualise the definition of Game Theory. To put in basic words, Game Theory is the study of how individual strategies and decisions influence the final outcome of the situation. Game Theory is mostly related to the field of Mathematics, but it also has its applications in the field of Science and also in our everyday life.

The Prisoner's Dilemma:

THE PRISONER'S DILEMMA

	B stays silent (cooperates)	B betrays A (defects)
A stays silent (cooperates)	Both serve 1 year	A serves 3 years, B goes free
A betrays B (defects)	A goes free, B serves 3 years	Both serve 2 years

One of the most famous problems that led to the growth of Game Theory is called the Prisoner's Dilemma. This problem refers to a hypothetical situation where

there are two "players" who have two choices, either to cooperate or to steal. If both of the players cooperate, then they receive a small reward. But if one steals, he will receive a big reward. If both of them agree to steal, they both receive nothing. This is just one of the versions of this problem.

Illustration of Game Theory in our Everyday Life:

Now imagine you are riding a vehicle and get stuck in a traffic jam. One of the most immediate thoughts that occur in our mind is to take another route. But what if all other vehicles that are stuck in the same traffic decide to go in that same route? That will inevitably lead to another traffic jam.

Game Theory in Science:

Given below are some of the uses of Game Theory in Science:

- It is used by scientists to understand the evolution and the reason behind the cooperation of living organisms.
- Game Theory is very essential for the government to plan international relationships, thus relating to Political Science. It has also proved very useful in creating policies for the public.
- It is also used in the field of Computer Science, where developers would use Game Theory to predict how a player would play a game.

Conclusion:

At the end of this article, I am sure that you have the basic idea of what Game Theory is and its applications in the field of Science. I am sure that Game Theory has become an indispensable part of our life. It will only continue to grow further and reach new heights.



RIDDLES CHALLENGE – MAGATH PRATIK A P – IV B

Easy Riddles

1. What has hands but can't clap?
2. What has to be broken before you can use it?
3. The more you take, the more you leave behind. What am I?
4. I fly without wings, I cry without eyes. What am I?
5. I have keys but open no locks. What am I?

Medium Riddles

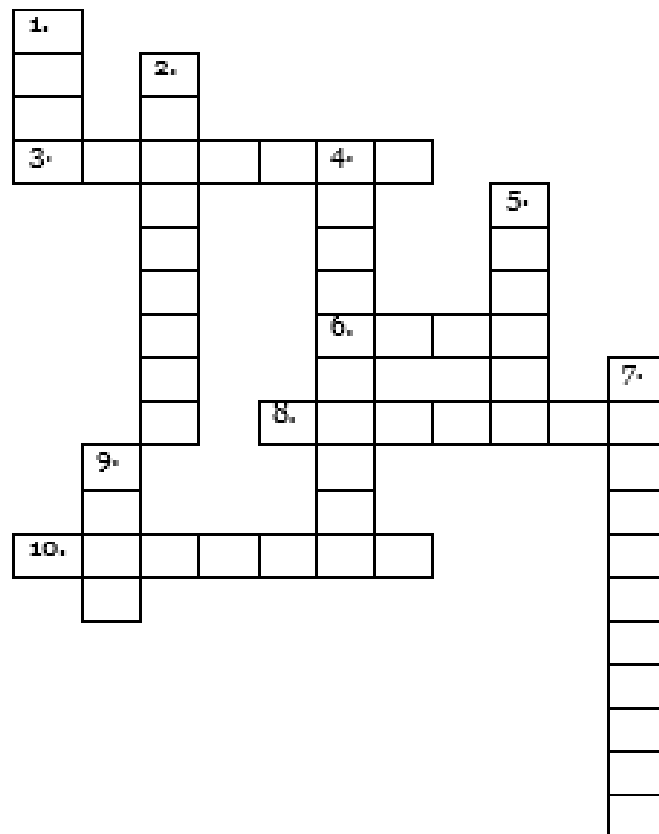
1. What comes once in a minute, twice in a moment, but never in a thousand years?
2. What is full of holes but still holds water?
3. The more you use me, the more you leave behind. What am I?
4. I am tall when I'm young and short when I'm old. What am I?
5. I speak without a mouth and hear without ears. What am I?

Hard Riddles

1. The person who makes it sells it. The person who buys it never uses it. The person who uses it never knows they're using it. What is it?
2. I am not alive, but I grow. I don't have lungs, but I need air. What am I?
3. I have cities, but no houses. I have mountains, but no trees. I have water, but no fish. What am I?
4. The more you take away from me, the bigger I get. What am I?
5. You see me once in June, twice in November, but not at all in May. What am I?



SCIENCE PUZZLE - BHARANI B – III B



Across

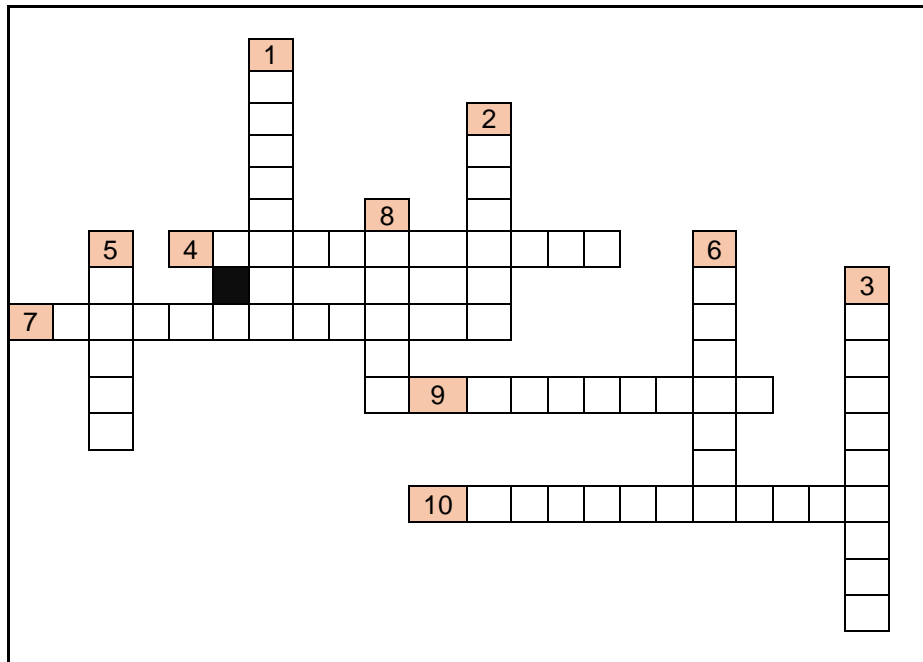
- 3. A drawing that explains something
- 6. Largest Sense organ
- 8. Fastest Land Animal
- 10. Largest planet in the Solar System

Down

- 1. Air in motion
- 2. Have 6 legs but cannot walk
- 4. Layers of air surrounding Earth
- 5. Material that attracts iron
- 7. Green pigment found in plants
- 9. Octopus blood colour



LET US KNOW OUR EPIC (MAHABHARAT) – PRANAVI P – V B



Across:

4. Bhagvad Gita is the part of which Hindu scripture?
7. What is the original name of Mahabharata?
9. Draupadi was the princess of which state?
10. The battlefield of the Mahabharata war.

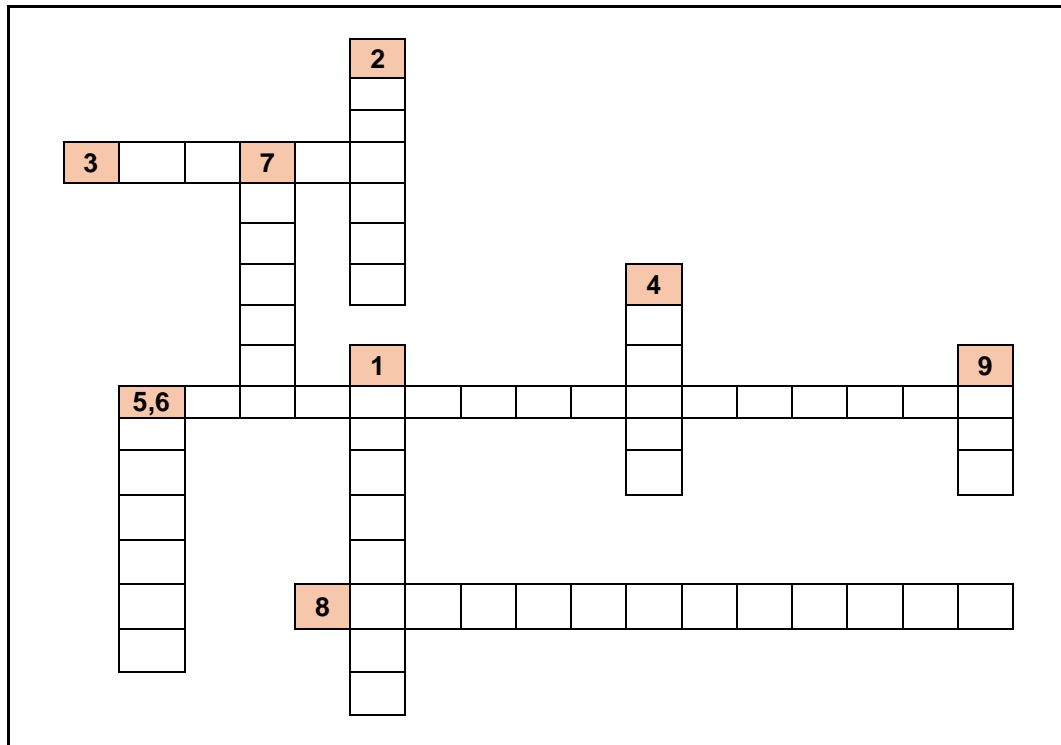
Down:

1. Who was the author of Mahabharat?
2. What was the name of the bow of Karna?
3. Who killed Laxman, the son of Duryodhan?
5. Who killed Ghatotkach, the son of Bhima in Mahabharat?
6. Currently, how many slokas are there in Mahabharat?
8. Who killed Dushasana?



INDIA TRIVIA CHALLENGE! – PRANAVI P – V B

Test your knowledge of India with these fascinating facts and figures. How many can you answer correctly?



Across

3. Which is the smallest state in North-East India, also one of the few states with no railway line?
6. Which is the largest state in North-East India?
8. What is the name of line which divides India and Pakistan?

Down

2. Which is the highest mountain peak in south India?
4. Which city is also known as 'City of Blood'?
5. Which is the oldest mountain in India?
7. Which is the easternmost point of India?
1. Which is the first meteorological satellite of India?
9. Which is the highest railway station in India?



GREEN FUN FOR EVERYONE! – PRANAVI P – V B

Want to help make our world a little greener? Seed bombs are a super-fun way to grow plants anywhere! They're easy to make, great for the environment, and perfect for getting your hands dirty. Plus, it's a fantastic way to learn about local wildflowers and plants. Get ready to get squishing!

What You'll Need:

Potting Soil, Water, Cow dung and Seeds! Try seeds from trees like Ficus Religiosa, Peepal (Arasamaram) or Common Fig (Attimaram).

Make Your Bombs: Mix the ingredients into a clay-like "dough." Roll small lumps into 1-inch balls, tucking in a few seeds. Let them dry in a warm, dry place for 1-2 days.

Planting Power: Choose a sunny spot with good soil. Simply toss your seed bombs into the area where you want plants to grow. The dried clay protects the seeds until the right conditions arrive, giving them a head start!

Seed bombs are a simple way to green our communities and learn about the amazing power of nature. Get bombing!

ASTRONOMY AND ROCKET SCIENCE - ASWIN KARTHIK A – VII B

Introduction:

Astronomy is the study of planets, stars, solar systems etc. These are often referred as celestial and astronomical body. These objects are usually studied by artificial satellites, these satellites orbit the body. Rocket science refers to study of rockets and making of rockets. Rocket science involves manufacturing of technical equipment, fuel identification, fuel testing, etc.

Astronomy:

In this division of science, we learn about celestial bodies. This science includes the rules that these celestial bodies follow, the qualification, the divisions in celestial bodies, etc. These rules are formed by the laws of physics like the Theory of relativity, Laws of motion, Law of conservation of energy.

Here are some laws and rules:

- The general theory of relativity states that the path of light will follow the curvature of spacetime as it passes near a massive object.
- The law of conservation of energy states that energy can't be created or destroyed, it can only be transformed.
- The rule in the special theory of relativity that an object with mass can't be accelerated more than 99% the speed of light which is 3×10^8 m/s.
- Things which have no mass always travels at the speed of light. The thing no mass is a photon.
- Time slows down when objects move near the speed of light than stationary object.
- Fun fact: the sun mass takes about 99.86% of the weight of the solar system, it is about 1.99×10^{30} kg or 333060 earths.

Rocket Science:

Rocket science involves the study and construction of a rocket. The rocket is made up of different parts; the part used to accelerate is called payload section, fuel tank, oxidizer tank, engine etc. These enormous structures help us study other planets and even send humans there. There have been only some rockets used to transport humans and others are used for satellite launch. Some of the Launch Vehicles used to launch humans are SLS (space launch vehicle), Saturn V, Soyuz, Falcon-9 etc. The most famous mission was the Apollo-11 which put the first man on the moon who is Neil Armstrong and second was Buzz Aldrin.

Here are some fascinating facts about rocket science: -

- The Saturn V burned 13000 kilograms of fuel per second.
- The coldest planet is Uranus – the temperature can reach below -216 degrees Celsius.
- The hottest planet is Venus - the temperature can go up to 462 degrees Celsius.
- One light year that is the distance covered by light in a year is 9.461×10^{12} km or 9.461 trillion km.
- The first space craft to reach moon was Luna 1 in 1959.
- Saturn has the most moons with 146 moons currently discovered.

Rocket science is an important division of science that makes us understand our universe. It helps us live the comfortable life that we are living today on earth.

“That’s one small step for a man, a giant leap for mankind”- Neil Armstrong, July 20, 1969.



TESTING YOUR KNOWLEDGE (RIDDLES) - ANSWERS – PREKSHA S – IV A

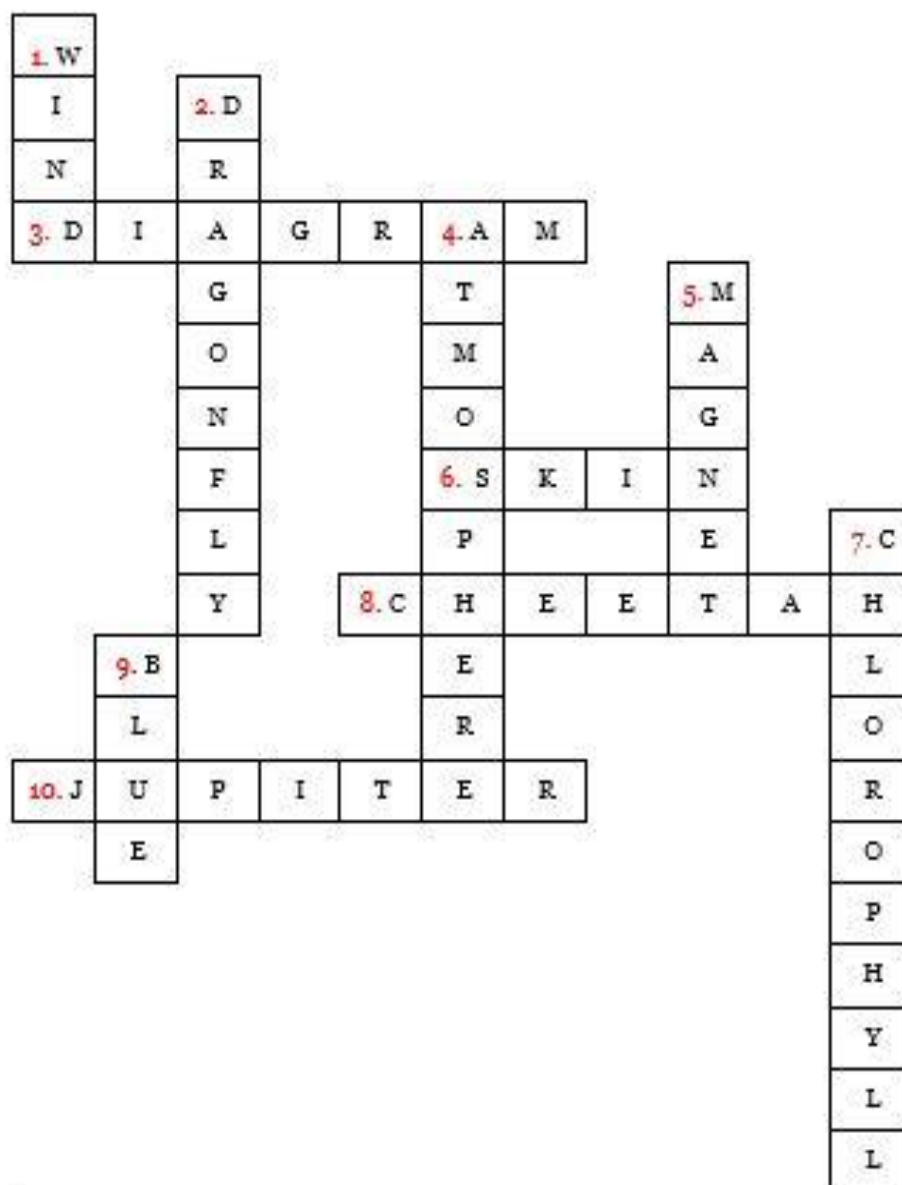
1. Our height
2. The temperature
3. R
4. Reduce, Reuse, Recycle
5. V
6. Hot; because you can catch a cold.
7. A palm tree.
8. A river
9. A tongue
10. Rust

WHETTING YOUR APPETTIE - ANSWERS - SOORYA RANGANATHAN – IV A

1. Cashew
2. Lemon-aid
3. Onion
4. Macintosh apples
5. Kiwi
6. Celery (Salary)
7. Lollipop
8. Star apple
9. Papaya
10. Straw-berry
11. Cookie
12. Sandwich
13. Mushroom
14. Milkshake
15. Bell peppers



SCIENCE PUZZLE – ANSWERS – BHARANI B - III B



RIDDLES CHALLENGE - ANSWERS – MAGATH PRATIK A P – IV B

Easy Riddles

1. A clock
2. An egg
3. Footsteps
4. A cloud
5. A piano

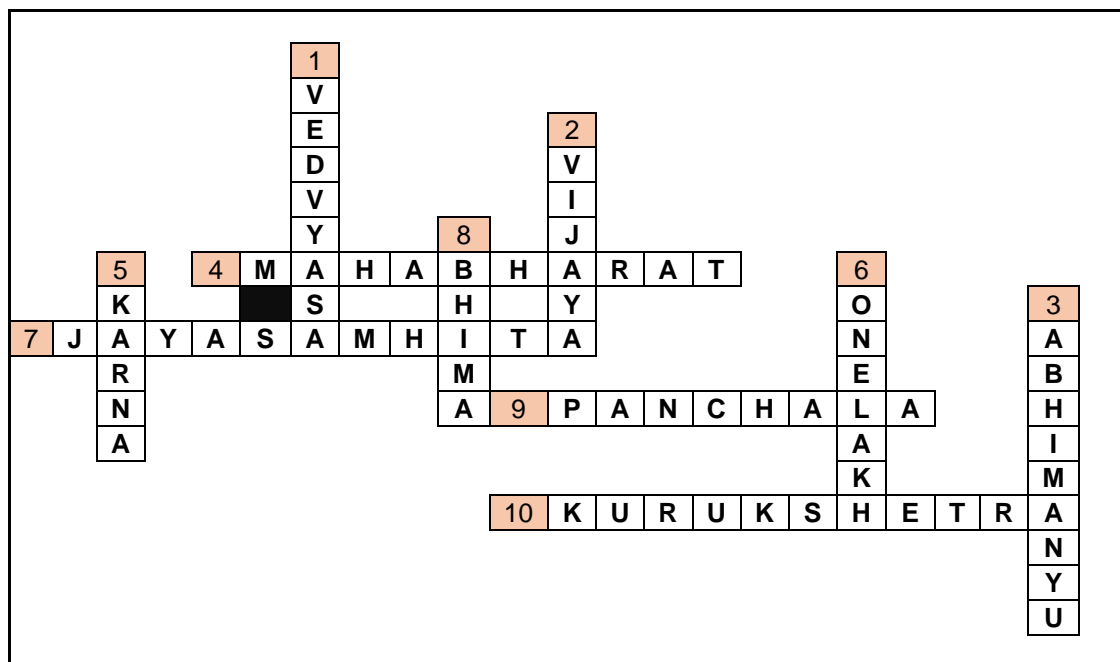
Medium Riddles

1. The letter 'M'
2. A sponge
3. An eraser
4. A candle
5. An echo

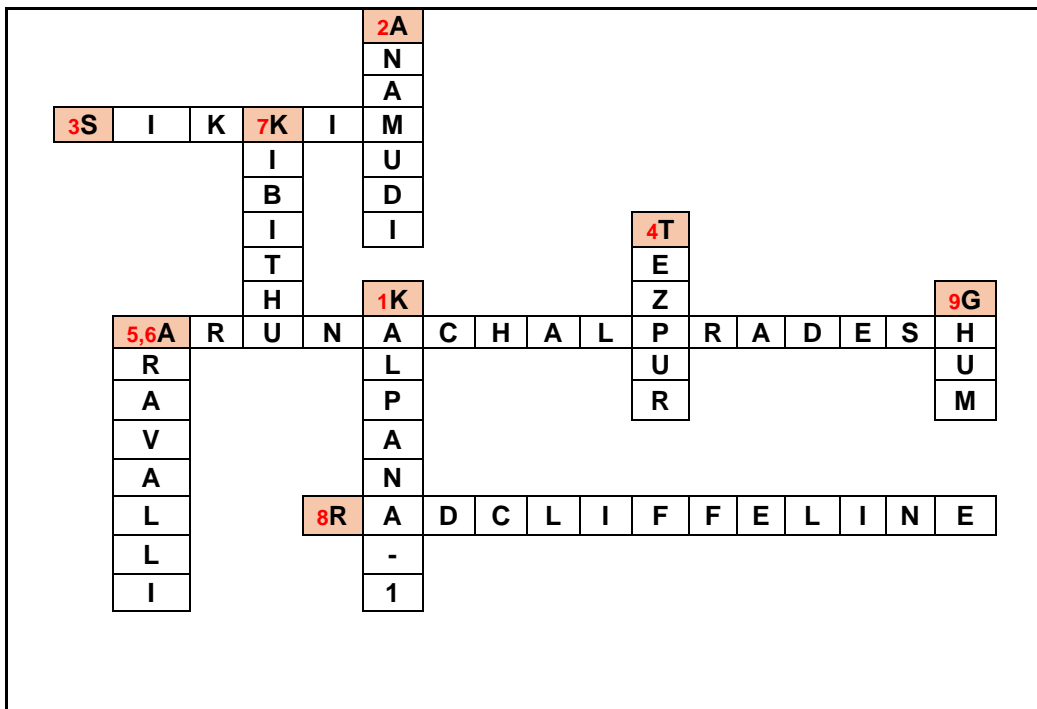
Hard Riddles

1. A coffin
2. Fire
3. A map
4. A hole
5. The letter 'E'

LET US KNOW OUR EPIC (MAHABHARAT) – ANSWERS – PRANAVI P – V B



INDIA TRIVIA CHALLENGE! – ANSWERS – PRANAVI P – V B





SOCIAL SCIENCE



TOWER TO TEMPLE ARCHITECTURE OF TAMIL NADU - SIVA SURYAN M – VII A

Tamil Nadu, located in the southernmost part of India, is renowned for its architectural legacy, primarily shaped by its rich religious, cultural, and historical significance. The state is home to stunning temples, grand palaces, and intricate structures that showcase a blend of artistic excellence and spiritual devotion. From ancient temples that showcase divine craftsmanship to grand palaces and forts that narrate stories of royalty, the state's architectural landscape is a testament to its artistic excellence. With its blend of traditional designs and contemporary influences, Tamil Nadu's architecture stands as a timeless symbol of South India's grandeur and artistic heritage. Key features of this style include:

- **Gopurams:** Majestic, ornate entrance towers adorned with statues of deities and mythological figures.
- **Garbhagriha (Sanctum Sanctorum):** The central area housing the main deity.
- **Mandapas:** Pillared halls used for rituals and public gatherings.

The below table provides a structured timeline of Tamil Nadu's Tower-to-Temple Architecture, showcasing key periods, ruling dynasties, architectural advancements, and famous temple examples.

Tamil Nadu's Tower-to-Temple Architecture:

Century	Dynasty/Rulers	Key Architectural Developments	Examples
3rd – 9th CE	Early Tamil, Pallavas	Rock-cut shrines, monolithic temples	Mamallapuram Rathas, Kailasanatha Temple (Kanchi)
9th – 13th CE	Cholas	Structural temples, tall vimanas, bronze sculptures	Brihadeeswarar Temple (Thanjavur), Airavatesvara Temple (Dharasuram)
13 th – 17th CE	Pandyas, Vijayanagar	Grand gopurams, mandapas, temple towns	Meenakshi Temple (Madurai), Ranganathaswamy Temple (Srirangam)
17 th – 19th CE	Nayaks, Marathas	Thousand-pillar halls, expansion of temple precincts	Meenakshi Temple's Hall of Thousand Pillars
20th Century – Present	Modern Preservation Efforts	Conservation, UNESCO recognition, temple restoration	Great Living Chola Temples (UNESCO)

Tamil Nadu's temple architecture is a priceless cultural and spiritual legacy that must be preserved. Conservation through regular maintenance, heritage laws, and modern restoration techniques is essential. Community involvement and technological innovations can help protect intricate sculptures and towering structures. With collective efforts, these temples will continue to inspire generations to come.

THE BEAUTY OF TEMPLE ARCHITECTURE - AKSHITH M – VII A

A Reflection of Culture and Spirituality

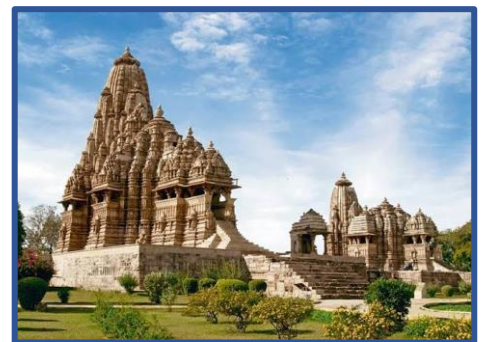
Introduction:

Temples are not just places of worship; they are masterpieces of architecture that reflect the culture, history, and spiritual beliefs of a civilization. Across the world, different regions have developed unique styles of temple architecture, influenced by religion, geography, and artistic traditions. Let's explore the fascinating world of temple architecture and its significance.

Major Styles of Temple Architecture

1. Nagara Style (North Indian Temples)

- ❖ Found in North and Central India.
- ❖ Characterized by tall, curvilinear towers (Shikhara).
- ❖ Temples are built on raised platforms without elaborate boundary walls.
- ✓ Prominent examples:
 - Khajuraho Temples (Madhya Pradesh), Sun Temple (Konark), and Jagannath Temple (Puri).
- ✓ Special Feature:
 - The Shikhara (spire) rises like a mountain, symbolizing the connection between Earth and heaven.



2. Dravida Style (South Indian Temples)

- ❖ Found in Tamil Nadu, Karnataka, Andhra Pradesh, and Kerala.



- ❖ Characterized by pyramidal towers (Vimana) over the sanctum.
- ❖ Large Gopurams (entrance towers) with intricate carvings.
- ❖ Temples often have massive courtyards and water tanks.
- ✓ Famous Examples:
 - Brihadeeswarar Temple (Thanjavur), Meenakshi Temple (Madurai), and Virupaksha Temple (Hampi).
- ✓ Special Feature:
 - The towering Gopurams are highly decorated and serve as landmark for devotees.

3. Vesara Style (*Hybrid of Nagara & Dravida*)

- ❖ Developed in Deccan region (Karnataka & Maharashtra).
- ❖ Mixes elements of both Nagara and Dravida styles.
- ❖ Known for star-shaped layouts and ornate pillars.
- ✓ Famous Examples:
 - Hoysaleswara Temple (Halebidu), Chennakesava Temple (Belur), and Pattadakal temples.
- ✓ Special Feature:
 - Unique sculptural details and intricate carvings depicting stories from Hindu epics.



Indian Temple Architecture Beyond India

Angkor Wat (Cambodia)

- ❖ Built in the 12th century by King Suryavarman II, originally a Hindu temple, later Buddhist site.
- ❖ The largest religious monument in the world, covering 162.6 hectares (402 acres).
- ✓ Famous Features:
 - Five Towers representing Mount Meru, the mythical home of the gods.
 - Intricate Bas-Reliefs depicting Hindu epics like the Ramayana and Mahabharata.
- ✓ Special Features:
 - Aligned with sunrise on the equinox, showcasing advanced astronomy.
 - Built with 5 million tons of sandstone, transported from 50 km away.
 - A UNESCO World Heritage Site and Cambodia's National symbol.



INDIAN SPACE RESEARCH MILESTONES – PRATHIKSHA S - VII A

On January 8, we reflect on India's remarkable achievements in space research. The Indian Space Research Organisation, or ISRO, began its journey in 1969 under Dr. Vikram Sarabhai's visionary leadership.

From launching Aryabhata in 1975, India's first satellite, to the ground breaking Chandrayaan-1 mission that discovered water on the moon, and Mangalyaan, the Mars Orbiter mission in 2013, ISRO has made us proud. Today with missions like Gaganyaan, India is preparing to send astronauts into the space.

ISRO's journey reminds us that with determination, the sky's the limit. ISRO's achievements, from the Moon to Mars show the world the power of our dreams and determination.



SPACE RIDDLES – NISHAL B S – VII B

1. The Paradox of Twins:

I take you far, yet keep you near,
Through time, I bend- It's never clear.
One twin is old, the other stays young,
A tale of physics, often sung.
What am I?

2. The Invisible Giant:

I have no light, yet I hold great might,
Even the fastest cannot escape my sight.
I warp and twist, space and time,
Find my edge-an impossible climb.
What am I?

3. The Cosmic Trickster:

I start as a giant, burning bright,
But ends in a flash, stealing the light.
In my final breath, I shine so wide,
Then vanish, leaving space mystified.
What am I?

4. The Cosmic Clock:

I have arms but cannot hold,
I move yet never grow old.
My face is bright, my numbers grand,
Across the cosmos, I expand.
What am I?

5. The Silent Messenger:

I travel for eons, yet never tire,
Bringing news of stars that expire,
Though weightless, I am sometimes bent,
By gravity's will, where I am sent.
What am I?



FORENSIC ACCOUNTING - SOLVING FINANCIAL CRIMES – DEEPIKA M - XII C

Forensic accounting is a specialized field of accounting that involves investigating financial records to uncover fraud, embezzlement, or other financial misconduct. Forensic accountants utilize their accounting expertise along with investigative skills to analyse complex financial data, detect irregularities, and provide evidence for legal proceedings. It usually deals with detecting the accounting crimes.



Forensic accountants are CPAs that look for evidence of crimes and commonly work for insurance companies, financial institutions, and law enforcement agencies. They analyse financial records and accounts that may be used as legal evidence and often testify in court cases as expert witnesses. They analyse the financial reports for the preparation of documents in the court of law. They have expertise in both accounting and legal knowledge.

Through accounting knowledge, they analyse and know fraudulent activities that are done in the financial statements of companies, businesses etc.

Companies may commit in the accounting crimes such as overstating revenue, failing to record expenses, misstating assets and liabilities, understating expenses, misappropriation, or misrepresentation of assets to hide their losses or for maintaining the reputation of their company and many more reasons are there. These crimes are investigated by forensic accountants when any dispute arises.

Company may commit these kinds of scandals to maintain its reputation, hiding the losses, for maintaining the image among investors for their investments to be made in their company, tax evasion, for obtaining bank approvals for financing and so on.

Forensic accountants analyse the financial documents and identify the accounting which they use as evidence in the court of law.

Methods to prevent accounting scandals:

- Create a culture of transparency
- Form a strong code of conduct
- Implement effective internal investigative procedures
- Train employees to detect fraud
- Data analysis
- Eliminate weaknesses



MARKETING STRATEGIES FOR GEN Z CONSUMERS - MEENA M - XII C (CMO OF VIDHYA SAADHAN)

We all know about the iPhone and the unique brand image it carries. In fact, we get to see iPhones more often with everyone, especially the new younger generation, the generation that we now call the GEN Zs. So why do you think almost every gen-z-er dreads buying an iPhone? Why does having an iPhone mean so much to this generation? The iPhone is almost the same as any other android phone. In fact, I believe android phones have come up with more creative and compact designs like Samsung Flip, Oneplus Open and so on. But all the iPhones seem very similar except for the number of camera lenses and its placements at the back. Then why are people preferring a basic iPhone over an extra creative android phone? Marketing is the key to this. Apple has marketed its products so well that having an iPhone has become more of a necessity than a want among the youngsters.



But marketing the products to Gen z is relatively tough, which is mainly due to the lack of attention gen z gives to the product. A study says the average attention span of a gen z is just 8 seconds. Their ability to 'filter' is more advanced than the previous generation. So, a brand must

be quick and attractive within that 8 seconds to engage and convince the young consumers to buy their products. So yes, marketing in the future is easier said than done! Then how are companies supposed to attract these cool, smart, determined, anxiety prone, confused consumers? Here are a few things that might help the new emerging brands to get the Gen-Zs attention

COMMUNITY IS THE KEY:-

The main reason why people and especially Gen Zs buy iPhone is that it has become a fashion statement for GenZ. A statement that they do not want to avoid. It's like everyone who has an iPhone feels like a community, like all of them are a part of a big family. And those who don't are most likely to feel left out. One of the main reasons for it is the product designs of apple.inc. It was so smart to create things like Airdrop, through which photos can be shared from one iPhone to another directly without any compromises

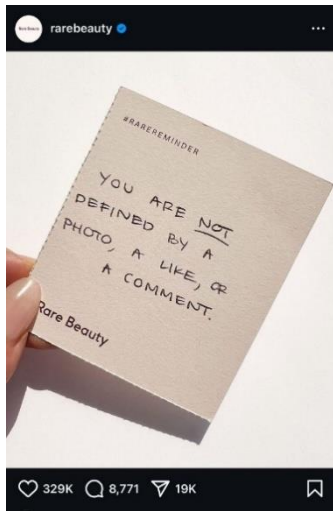
in the quality of the pictures. But do you think this is the only reason Apple has been a growing brand? No. It's not just that, the way they market their products, by creating a sense of purpose and community that no android could easily break. They made it a point to make Apple products look cool, sleek and minimalist in all their marketing videos. They convinced the GenZs how easy life would be if they had an iPhone, how their whole brand image grows and how they could mostly feel included and less insecure among public groups. Apple has also made it a point to reflect the personality of GenZs in their campaigns which created a brand trust for the company among the youth.

A COMPANY MUST HAVE A CLEAR SET OF VALUES AND MISSION:

Gen Z-ers believe that brand values are reflection of themselves. In fact, 49% of the Gen Z-ers feel that a company should have some sort of social responsibility that they can be a part of and they are three times more likely than the previous generation to believe a company has a role in improving society.

I know it's hard to believe, but it's the truth. Yes, the generation which looks like they couldn't care anything less, and nothing really matters to them, is actually concerned about the environment and the growth of their society. Unilever, well known for its products like Vaseline, Dove and so on still prevails in the market to this day. And not just that, it is known as one of the most trusted brands of all generations, including GenZ. But how is that possible? This was possible because this 94 year old company has a main objective to "increase life's vitality". Providing for daily nutritional, hygienic and personal care requirements. Assisting individuals in feeling better, looking better, and getting more out of life are some of their main aims. So being socially responsible, actually makes this generation look at you and respect you and by this they remember you and your brand.

Another international example for this is Rare beauty by Selena Gomez, a cosmetic brand that not just sells their beauty products but also makes it a point to focus on mental health and self acceptance of their community, employees and partners. The Rare impact campaign started by them which focuses on emotional well being, inner harmony and a voice against the growing anxiety issues, has not just increased their consumers but has also increased their target audience, which were usually middle aged women, but has now started to include young high schoolers.



This is the power of correct marketing. But GenZs' trust is not that easily earned, they dig deeper into your brand and its values and how you are following them.

ADOPT RADICAL TRANSPARENCY AND ACCOUNTABILITY:

Gen Z-ers are more likely than any other generation to look at a company's websites, look at their social media page, read the comment, read reviews and ensure to hold brands accountable for whatever marketing messages they are putting forward. Some brands have really dropped because they have not upheld the standards that they have been communicating outwards and Gen Z-ers are calling them out for it. So, brands which do not follow the values and standards that they are implying they will, both externally as well as internally, are most likely to be perishable by this generation. Since the generation has internet at their fingertips, they are going to use that to understand how the brands are actually following through with whatever promises they make. So, brands must be careful with what they are putting forward for the consumers and provide them that with transparency.

EMBRACING PERSONALITY: -

Gen Zs are attracted to brands that are bold and have some personality in them, brands that have a meaning in them. It does not matter how silly or how cheeky or how raw the marketing is, all that matters is – 'Is it communicating the core personality of the brand' Phool.co is one such startup backed by the well-known famous actress Alia Bhatt. Their Instagram page is filled with cheeky, cute and obviously silly photos and doodles which

depict modern Indian culture. In fact, the eco-friendly gift brand which sells scented candles, incense sticks, essential oils and so on have made their marketing campaign so smart that Gen Z ers buy their products to gift them on Indian festive occasions like Diwali, Raksha Bandhan, etc.



Another Indian example is Mokobara, a brand that offers thoughtfully designed luggage bags, backpacks and travel accessories that appeal to the aesthetic sensibilities of the modern travelers. This brand started small and didn't have much of a budget to market their products. And that is where the GenZ creators came in. With their gritty, raw, fresh videos and their own way of authentic influencing can make a brand go from zero to hundred within a few years from start. That's the power of influencing. So, this luggage brand which started small is now one of the most wanted, compact brands in India used by many celebrities and obviously youngsters!

So, the long short of it is, don't be afraid to be brash, be bold and embrace your personality because the Gen Z-ers are going to notice and they are gonna celebrate that just as they celebrate the differences in themselves. So, as an upcoming brand, you should not only market your products, but also your vision. Be transparent with whatever you do and last but not the least Be Bold and Be You!



INTERVIEW WITH A CHARTERED ACCOUNTANT - INSIGHTS FROM A PROFESSIONAL IN THE FIELD - MEENA M - XII C (CMO OF VIDHYA SAADHAN)

Namaste Darpan magazine readers,

I am thrilled to share this article with you, which I hope will be a treat for your eyes and ears. When I heard about this year's e-magazine launch, I was eager to find the perfect topic. Then, it struck me - I'm pursuing CA foundation in school, so why not interview a CA professional? Who better than my father CA Sri Murugan, a seasoned expert in the field of Chartered Accountancy.

Me: What inspired you to become CA?

Interviewer: The value of the profession, income earning capacity, the high social status of the profession inspired me to become CA.

Me: What are the skills one should possess in pursuing CA course as a career option?

Interviewer: Discipline, diligence, hard work, conceptual understanding, logical, analytical, communication skills and time management, etc., are the basic skills one must possess in pursuing a career in CA.

Me: Explain your roles as a Practicing Chartered Accountant:

Interviewer: We are responsible for maintaining accurate financial records for our clients which includes managing income and expenses, preparing tax returns, and ensuring compliance with tax laws and other regulations. We are the real partners in nation building acting as a Mediator between Public and Government, conveying the Government Regulations effectively to clients for the compliance.

Me: How to keep oneself updated about the new accounting standards and regulations?

Interviewer: We have regular and mandatory CPE (continuous Profession Education) programs from our Institute of Chartered Accountants of India (ICAI). In addition to reading various professional books and periodicals, appropriate and constant news flows are maintained from visiting

various websites of ICAI, RBI, CBIC, Income Tax and other Govt Departments.

Me: What are the common challenges that you face as a Chartered Accountant?

Interviewer: Updating and ensuring compliance services of the frequent amendments and changes in tax and corporate laws, timely execution of professional assignments, improving staff skills are the common challenges that we face in our profession.

Me: What are the software tools that you use in your professional work?

Interviewer: Tally, Zoho books, Office Management and Tax, other Return Filing Softwares and Cloud Computing Software etc.,

Me: How do you establish a harmonious relationship with the clients?

Interviewer: Understanding the business challenges of clients and providing proper solutions within the ambit of the various rules and regulations, prompt periodical compliance of various laws, educating the latest developments and amendments in various tax and other laws applicable to business, giving proper advice for financial and business management, framing growth strategy and risk management.

Me: How do you handle stress in your profession?

Interviewer: Spiritual retreats, taking short vacations, practicing Yoga and meditation, participating in sports and social activities.

Me: What differentiates your profession from other professions?

Interviewer: CAs should uphold high ethical values such as professional competence, confidentiality, integrity, objectivity etc., Their participation in nation building and the successful implementation of Government Rules and Regulation can be widely seen.



THE BALLOT IS STRONGER THAN THE BULLET - ZAARA S - XII-C (CULTURAL SECRETARY)

In the recent school elections for classes 9 to 12, I embarked on an unexpected journey that led me to become the cultural secretary. This experience taught me valuable lessons about perseverance, democracy, and the power of peaceful competition.

It all began when our teachers announced the selection process for various student leadership positions. The role of cultural secretary caught my eye, but I was hesitant. Was I really qualified? Would anyone vote for me? Despite my doubts, something pushed me to put my name forward.

This initial screening ensured that only dedicated and capable students would be considered for the important role of cultural secretary and various other posts. To my surprise, I made it through the initial selection process. However, the real challenge was just beginning. The race for cultural secretary was particularly intense, with many popular and talented students vying for the same position. Each candidate brought unique ideas and visions for enhancing our school's cultural landscape.

The road to election day was far from smooth.

I faced numerous setbacks:

1. Overcoming stage fright during speeches.
2. Dealing with criticism and negative campaigning.
3. Balancing campaign activities with schoolwork.
4. Strong opposition from other candidates.
5. The challenge of differentiating myself in a crowded field.

Despite these hurdles, I remained determined and focused on my goal. There were moments when I considered giving up, but the support of friends, teachers and family kept me going.

As the campaign progressed, I realized that, what mattered the most was not flashy promises or popularity, but genuine ideas and passion.

The weeks leading up to the election were a whirlwind of activity:

- Creating posters and flyers.
- Giving speeches in front of large groups. Each day brought new challenges, but also new opportunities to grow and learn.

Election Day: The Ballot Speaks

The day of the election arrived, and the atmosphere was electric. As students cast their votes, I remembered a powerful quote: "The ballot is stronger than the bullet." This reminded me that in a true democracy, it is the ideas and the will of the people that wins, not force or intimidation.

When the results were announced, I was overwhelmed with emotion. Against all odds, I had WON the position of cultural secretary!

Winning the election was just the beginning. Now, the real work began as I strived to fulfill the promises I had made and make a positive impact on our school's cultural life. This experience has taught me that with determination, authenticity, and a willingness to listen to others, anyone can make a difference.

This journey has taught me that with determination, a positive attitude, and faith in the democratic process, we can overcome challenges and achieve our goals.

As I embark on this new role, I carry with me the lessons learnt during the campaign:

- The importance of believing in yourself.
- The power of perseverance in the face of challenges.
- The value of a fair and democratic process.
- The responsibility that comes with leadership.

"The vote is the most powerful instrument ever devised by man for breaking down injustice and destroying the terrible walls which imprison men because they are different from other men."

This powerful statement encapsulates how voting can be a force for positive change, potentially more effective than violent means.

"The ballot is stronger than the bullet" isn't just a historical quote – it's a principle that shapes our world, from global politics to our school hallways. As students,

understanding and embracing this idea, prepares us to be engaged citizens who can make a difference through peaceful, democratic means. Every time we participate in a school election or debate, we're practicing the skills needed to uphold democracy in the larger world.

The next time you have the chance to vote – whether it's for class president or in a national election when you're older – remember: your ballot holds more power than you might think. It's not just a piece of paper; it's a tool for change, a voice for your beliefs, and a force for shaping the future.

To vote is like the payment of a debt, a duty never to be neglected, if its performance is possible.

CLOUD ACCOUNTING FOR MODERN BUSINESS – PHAVITHRA A - XII C

In today's digital age, businesses are rapidly shifting towards cloud-based solutions to manage their financial operations. One such innovation is cloud accounting. Unlike traditional accounting systems that require software installation on specific computers, cloud accounting is a way of managing your business finances using online software i.e. everything is stored in internet (cloud).

One of the main advantages of cloud accounting is its flexibility. Business owners and accountants can update records, track expenses, and generate financial reports in real-time, even when working remotely. This real-time access ensures that financial data is always up-to-date. Another significant benefit is cost saving. With cloud accounting, there is no need to invest in expensive hardware or software updates, as everything is maintained and updated by the service provider itself.

Data stored in the cloud is typically secured with advanced encryption. Data encryption in cloud accounting turns your information into a code, which can only be decoded by authorized users. This makes it difficult for hackers to access your data, ensuring it remains secure. You can set permissions to control who can access your financial data. Your financial data is automatically backed up in the cloud. This ensures that even if your computer crashes or you lose your device, your data is safe and can be easily restored.

Cloud accounting is useful for modern businesses as it reduces the need for on-premise infrastructure, lowering costs and improving the scalability. It also offers seamless integration with other business tools increasing overall flexibility and efficiency. Multiple users can work on the same financial data simultaneously, moreover, cloud-based platforms often integrate with other business applications, such as payroll and invoicing software, providing a comprehensive financial management system.

Some cloud accounting software which are used by business firms, are QuickBooks online, Xero, FreshBooks online, Sage Business Cloud Accounting, Wave, NetSuite ERP.

Cloud accounting is a game-changer for modern businesses. It offers convenience, cost-effectiveness, security, and improved collaboration, making it an essential tool for any business looking to stay competitive in today's fast-paced world.



BALANCING SCHOOL, ACADEMICS AND BUSINESS – TIPS FOR YOUNG ENTREPRENEURS – NIVEDITAA L R - XII C (CFO OF VIDHYA SAADHAN)

"The only way to achieve the impossible - Believe it is possible."

In today's fast-paced world, student entrepreneurs are redefining the traditional boundaries of education and business. Juggling school assignments, exams, and extracurricular activities with running a burgeoning business is no small feat. Yet, many students are embracing this challenge, driven by a passion for innovation and a desire to forge their own paths. Balancing these demanding responsibilities requires more than just time management—it demands strategic planning, resilience, and a keen sense of priorities. Let us now explore the various tips to maintain their academic excellence and nurture the business ventures of every ambitious student.

Time management, Prioritize Studying, Work in Intervals, Reflect on Your Progress and Be Flexible

We can use Time blocking technique, it is a technique that involves scheduling specific blocks of time for different tasks or activities. This method helps you stay organized and ensures that you are dedicating focused periods to work on your business and school-related tasks.

Coping with stress, also an important tool to engaging in relaxation techniques can be incredibly beneficial for managing stress.

Techniques such as deep breathing exercise, meditation, or yoga can help, calm your mind and body promoting a sense of relaxation. For instance, taking a few minutes each day to practice deep breathing exercises can help you regain focus and reduce stress levels. Similarly, setting aside time for meditation can clear your mind and provide a sense of clarity and calmness.



SHOWCASE OF UNIQUE BUSINESS IDEA AND PRODUCT - NIKHIL GOPAL - XII C

In today's fast-paced world, innovation is not just an advantage; it is a necessity for businesses aiming to thrive in competitive markets. The rapid evolution of technology and shifting consumer preferences have created an environment where unique ideas and products can make a significant impact. Companies that prioritize innovation are better equipped to identify and solve pressing problems, effectively meeting the diverse needs of their customers. By introducing novel solutions, these businesses not only stand out but also cultivate a loyal customer base eager for fresh experiences. In an era where traditional methods may fall short, the ability to think creatively and adapt is paramount, ensuring that innovative ideas lead to real-world applications that resonate with consumers. Thus, the pursuit of originality and the application of groundbreaking concepts is essential for any business aspiring to achieve long-term success and relevance in a constantly changing landscape.

Autonomous Delivery Solutions

The logistics and delivery industry are undergoing a revolutionary transformation with the introduction of autonomous delivery vehicles. These innovative systems, such as those developed by Nuro, offer a glimpse into the future of logistics, where efficiency is enhanced, and human intervention is minimized. Nuro, a California-based robotics company, has pioneered the development of small self-driving vehicles designed specifically for local goods transportation.

One of the significant impacts of autonomous delivery vehicles is their ability to streamline logistics operations. By utilizing advanced sensors, machine learning, and artificial intelligence, these vehicles can navigate complex urban environments, optimizing delivery routes and reducing travel time. This capability not only increases the speed of deliveries but also allows businesses to allocate resources more effectively, ultimately leading to cost savings.

Moreover, the deployment of autonomous delivery solutions addresses some pressing challenges in the logistics sector, such as labor shortages and delivery congestion. With the ongoing demand for faster delivery times, businesses face the pressure of ensuring timely services while managing workforce constraints. Autonomous vehicles can operate around the clock, providing a reliable solution that meets consumer expectations without the limitations of human drivers.

In addition to operational benefits, autonomous delivery vehicles like Nuro, are designed with safety in mind. Equipped with numerous sensors and cameras, these vehicles continuously monitor their surroundings, making real-time adjustments to avoid obstacles and ensure safe navigation. This focus on safety not only protects pedestrians and cyclists but also enhances the overall perception of autonomous technology in society.

As the technology continues to advance, we can expect to see a broader integration of autonomous delivery vehicles across various sectors, from food and grocery deliveries to retail shipments. The potential for improved efficiency and reduced delivery costs positions these solutions as a game-changer in the logistics landscape.



UNDERSTANDING FINANCIAL LITERACY-IMPORTANCE OF FINANCIAL KNOWLEDGE FOR STUDENTS - ATHULA KRISHNA P – IX B (Integrated Foundation Commerce)

Financial literacy is the possession or ownership of knowledge and skills which allow an individual to make the right and informed decision with matters regarding finance and money. When we are financially literate, we can say that we have a foundation for a smart relationship with our money. Financial literacy includes learning topics like compound interest, loan repayment, mortgages etc. Financial literacy helps us build a stable future, reduce our stress levels, create financial security. There are many examples of persons whose lives were ruined just because they were not financially literate and had poor money management.

A great example is Nikola Tesla. He was just focusing on research and not his finances. Thus, he was not financially secure and starved for many days. Michael Jackson, who is considered as the best dancer by a large portion of the population, was not so good in his money management.

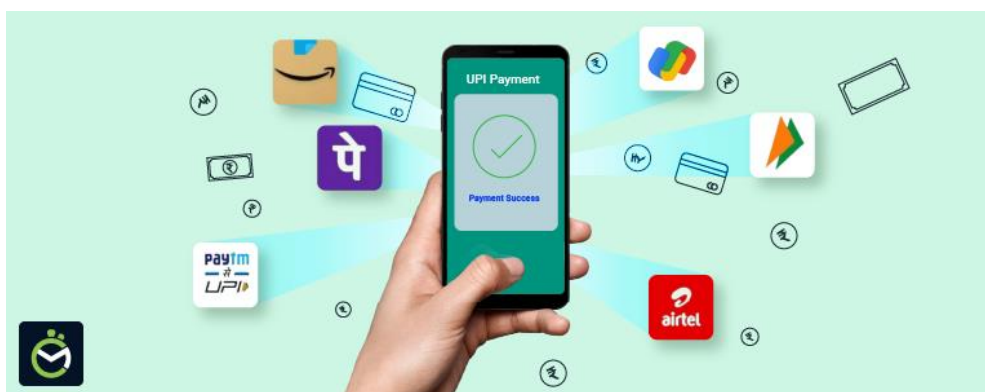
Now let us understand the importance of financial literacy for students like me and you. Understanding key concepts in financial literacy like budgeting, loan repayment etc. can set a foundation for a stable future and management of money effectively and not foolishly getting trapped in the cycle of debt, gambling, and overspending. Furthermore, by learning these skills, we can harness the ability to handle real world financial situations.

Financial knowledge can help people prevent themselves from making grave and financially wrong decisions. If we have a financial crisis like losing our jobs, we can easily revert from it. Financial knowledge can help us achieve our goals, which may both be financial or professional. It gives us confidence about our upcoming ventures.

Financial literacy is a vital skill which we all need to inculcate. With the upgrading of financial systems, financial knowledge will become a necessity in the future. Learning finance is an investment which will generate high returns in the very near future.

IMPACT OF DIGITAL PAYMENT ON SMALL BUSINESSES - KEERTHANA R - XII C (CEO Vidhya Saadhan)

Digital payments have become an integral part of our daily lives, and small businesses are no exception. They are increasingly adopting digital payments to stay competitive in today's market. Imagine walking into your favorite local bakery, grabbing a warm cookie, and paying with just a tap of your phone. No cash, no change, just a quick and easy transaction. This is the magic of digital payments - a growing trend that is changing the way small businesses operate. But what does this shift really mean for the shops and stores we love? Let us dive into how digital payments are making waves, both good and bad, in the world of small business.



POSITIVE IMPACTS OF DIGITAL PAYMENTS

Digital payments help small businesses grow by making it easier for customers to buy, leading to increased sales and faster payments. They save time and money by reducing the need for handling cash and simplifying financial records. Digital payments also make it easier for businesses to reach more customers, including those from different countries, and improve customer satisfaction with secure and convenient transactions. Additionally, they support eco-friendly practices by reducing paper use. Overall, digital payments are essential for small business success and efficiency.

CHALLENGES OF DIGITAL PAYMENTS FOR SMALL BUSINESSES

Digital payments can make things harder for small businesses in a few ways. They can be expensive because of fees, and they rely on a good internet connection, which isn't always available. There's also the risk of online fraud and hacking. Managing digital payments can be tricky and takes time. Some customers might still prefer paying with cash, as following all the rules for digital payments can be confusing.

CONCLUSION

"While digital payments offer significant advantages for modernizing and expanding small businesses, a thoughtful approach is essential to navigate the associated challenges. Balancing innovation with practical considerations ensures that businesses can thrive in a digital economy."



E-commerce, also known as online commerce and electronic commerce. Let us understand what commerce is. It refers to the activity of buying and selling of goods and services. But when that is on electronic platforms it is electronic commerce or e-commerce. Now, e-commerce is the buying and selling of things online. It is when people or businesses use the internet to shop, sell products, or provide services. For example, when we buy clothes, gadgets, or even order food from a website or app, that's e-commerce. It makes it easier for us to shop from anywhere, at any time, using our computers or phones.

E-commerce presents numerous opportunities, especially in today's increasingly digital world. It allows businesses to reach a global audience, breaking geographical boundaries and enabling 24/7 operations. With lower overhead costs compared to physical stores, companies can offer competitive pricing while utilizing data analytics to personalize customer experiences, boosting engagement and sales. E-commerce also opens doors for niche markets and small businesses to thrive by providing direct access to consumers. Additionally, advancements in technology, such as mobile commerce, AI-driven recommendations, and seamless payment systems, further enhance the potential for growth and innovation in this sector.

E-commerce presents several challenges for businesses that include managing logistics and delivery, particularly with last-mile delivery and returns, can be complex and costly. Cyber security threats, such as fraud and data breaches, are significant risks as businesses manage sensitive customer information. Competition in the e-commerce space is intense, making it difficult for smaller businesses to compete. Navigating different regulations and taxes across regions adds further



complexity. Additionally, customer retention is a challenge, as consumers have many options and grand expectations for convenience and service. Payment security and addressing environmental concerns related to packaging and shipping also pose ongoing challenges for e-commerce businesses.

E-commerce offers a wealth of opportunities for businesses, but it comes with notable challenges. To thrive in the e-commerce landscape, businesses must leverage technology to address these challenges and adapt to the conditions in the market. Balancing these elements effectively can lead to the sustained growth and success in the dynamic world of online commerce.

TAX PROPOSAL ON ANGEL INVESTORS - MAYIESHA AHAMED A - XII C

TAX PROPOSAL ON ANGEL INVESTORS {BUDGET 2024}

An angel investor is an individual who provides financial support to early-stage startups or entrepreneurs in exchange for equity ownership or convertible debt. Angel investors typically offer capital during the early stages of a company's development, often when traditional funding sources, like venture capital or bank loans, are not available.

Budget 2024: Angel tax for all classes of investors to be abolished bolstering Indian start-up eco-system:

The budget proposal for angel investors in Budget 2024 is a game-changer! The government has decided to abolish the angel tax for all classes of investors. This move is expected to boost the Indian startup ecosystem, encourage innovation and entrepreneurship, and drive economic growth.

Angel tax, introduced in 2012, was aimed at preventing money laundering, but it ended up hindering genuine early-stage investments. The tax applied to unlisted companies when they raised capital by issuing shares to investors at a price exceeding its fair market value. The excess amount was treated as income and taxed at 30.9%.

The abolition of angel tax is a significant relief for startups and investors, as it eliminates the compliance burden and financial strain on startups, making it easier for them to raise early-stage capital. This move is also expected to increase the confidence of domestic and international angel investors in investing in Indian startups, leading to an influx of capital and fostering innovation and growth in the startup ecosystem.

How Does it Affect Startups?

- ❖ **Cash Crunch:** Young startups, often strapped for funds, might find it challenging to handle the tax burden on top of their operational expenses.
- ❖ **Valuation Hurdles:** The tax is levied on any premium paid over the "fair market value" of shares, potentially leading to disagreements on valuation between startups and tax authorities.
- ❖ **Hampers Growth:** The additional tax liability can discourage investment, hindering the very innovation and growth the government aims to foster.

The proposed amendment and issues to be addressed:

Budget 2024 now seeks to abolish angel tax for all categories of investors with effect from AY 2024-25 (i.e., April 1, 2024; Financial Year 2024-25). Although specific amendments have been made in section 56(2) (viib), no corresponding amendment has been made in the definition of 'income' under section 2(24) (xvi). This seems to be an omission and clarification on this aspect is expected.



Given the prospective annulment of the angel tax provisions, the resolution of disputes already pending before the courts requires careful consideration. Relief from litigation on account of corroborating source of income of investment to the satisfaction of tax officers under provisions of section 68.

The proposal of Finance Bill 2024 to completely abolish angel tax provision across all investor classes will provide a much-needed breather to the Indian start-up ecosystem and provide an impetus for a fresh inflow of capital in the economy.

Making some changes to the legal framework will provide certainty and help Indian startups grow and expand. There are still many details that need to be worked out to support new startups, and making some policy changes in this area could greatly improve the overall environment.

EVOLUTION OF ACCOUNTING PRACTICES AND PRINCIPLES – BALAJI B – XI C

Accounting is the process of recording financial transactions pertaining to a business. The accounting process includes summarizing, analysing, and reporting these transactions to oversight agencies, regulators, and tax collection entities. This process is very important as well as needed procedure to understand the financial standings of the company. The process of accounting dates back to more than 7,000 years with various steps used in various periods. The evolution of accounting is divided into 4 phases namely

- 1) Emergent stage (from a primitive age to 1494 AD),
- 2) Pre-Analytic stage (1495 – 1799),
- 3) Development i.e. analytic stage (1800-1950),
- 4) Modern age (1951- onward)

Key moments in Accounting History

Around 3300 BC – Tax records on clay tablets

1458 – Double entry accounting system

1494 – First book with accounting concepts

1854 – First professional accounting organizations

1880 - Adding machine

1955 – First computer for accounting

1978 – First spreadsheet software

2000- Accounts payable automation

Emergent stage

This is the oldest stage of accounting process. The exact period when people started practicing accounting is related to when people started hunting and gathering of food. The primitive people and stone age people used to mark on the walls of the caves and on the rocks about the fruits collected and animals hunted. When barter system emerged the need of systematically recording the transactions became prominent. So, this is the stage where the process of accounting gradually evolved with a development in people from hunters and gatherers to artisans, agriculturists and in the mode of trade. Over 5,000 years ago, the ancient Mesopotamians started to record quantities on clay tablets.

They partitioned the tablet into rows and columns. Within each cell, they drew a picture of the type of item and made holes indicating the quantity of it. Each type of item had its own standard pictographic representation.

Pre-Analytic stage

This is the second phase in the history of accounting which dates from 1495 to 1799. In this period an important upgrade came in the field of accounting. In the year 1494 Luca Pacioli an Italian Mathematician published a book "The Summa de Arithmetica" which was the first to give a new method of accounting process - The Double Entry System. His publications gave a variety of idea on double entry system, maintaining ledger, preparing trial balance, debit and credit columns etc. For this enormous contribution Luca Pacioli is known as "Father of Accounting."



Since this period was developed and had people who was using currency as a medium of exchange the double entry system worked very well in this period. The earliest extant evidence of full double-entry bookkeeping appears in the Farolfi ledger of 1299–1300. Giovanni Farolfi & Company, a firm of Florentine merchants headquartered in Nîmes, acted as moneylenders to the Archbishop of Arles, their most important customer. Development stage the period of 1800 - 1950 in the accounting history is known as development or explanatory stage. In this stage due to the Industrial Revolution and development there arose a complexity of problems in the process of accounting. There was a need of accounting analysis and research process. These problems made the process of accounting to develop and advance to its next level. Many scholars and accountants wrote various books and accounting processes developed well. In this process many principles and standards were published and followed across the world uniformly to have international cooperation in trade. In this period institutions like American Accounting Association (AAA) and many others published accounting principles which were to be followed across the globe. The modern profession of the chartered accountancy originated in Scotland in the nineteenth century. During this time, accountants often belonged to the same associations as solicitors, and the latter solicitors sometimes offered accounting services to their clients. Modern stage is a period which dates from 1951 to current day. In this period the accounting processes developed well with the coordination between many international organisations which formulated principles and policies in the field of accounting to have standardised principles and to respond to the new challenges which arose in various fields which have accounting intervention. The International Accounting Standard Committee has been formed to coordinate activities between different accounting standard organizations of different countries of the world. Because of economic, social and technological changes different branches of accounting have emerged. Many e-sites and software have been developed to make accounting processes more convenient. Modern accounting software is designed to allow both journal entries and automated subledger entries to automatically populate the general ledger, allowing CFOs and controllers to have a

real-time view of their financial data. Therefore, accounting practices and principles have evolved over long periods which benefits businessmen, students, and everyone. Accounting helps to develop skills such as leadership and strategic thinking and for business to analyse their Financial Reports. So, as an individual or business person, accounting is very important in life. Furthermore, in future, accounting process will become more easier with the introduction of Artificial Intelligence (AI).

SPACE RIDDLES - ANSWERS – NISHAL B S – VII B

1. Time Dilation (from Einstein's Theory of Relativity).
2. A black hole.
3. A supernova.
4. A Spiral Galaxy.
5. A Photon (Light Particle).





HINDI



ज़िंदगी में वो ही असफल होते है,
जो सोचते तो बहुत है,
मगर करते कुछ भी नहीं...

कहानी: अच्छा व्यवहार करें - SAHITYA SASTRY – XII B



हम दो महान भारतीय महाकाव्यों अर्थात रामायण और महाभारत से दो कहानियाँ देखने जा रहे हैं, कि कैसे हमें अपनी युवावस्था के दौरान दोस्तों या रिश्तेदारों का मज़ाक नहीं उड़ाना चाहिए, जो कि बड़े विनाश का कारण बनेगा।

रामायण

किष्किंथा कांड में कम्बर के अनुसार // राजनीतिक श्लोक

சிறியர் என்றிகழ்ந்து நோவு செய்வன செய்யல் மற்று இந்
நெறி இகழ்ந்து யான் ஓர் தீமை இழைத்தலால் உணர்ச்சி நீண்டு
குறியதாம் மேனி ஆய கூனியால் குவ்வுத் தோளாய்
வெறியன எய்தி நொய்தின் வெந்துயர்க் கடலின் வீழ்ந்தேன்

अनुवादः

हे चौड़े कंधों वाले,

यदि कोई हमसे छोटा है (रूप, शक्ति, ज्ञान में) तो उसके साथ बुरा व्यवहार न करें और ऐसा कुछ न करें जिससे उसे नुकसान हो।

इस अच्छे काम को जाने बिना, मैंने एक गलती की। दुश्मनी बढ़ गई।

कूटी पीठ वाली कूनी के साथ; जिसके कारण मैं गरीबी में पहुंच गया और अंततः मुझे भारी कष्ट सहना पड़ा।

ऊपर कम्ब रामायणम (किष्किन्धा काण्डम) के श्लोक हैं, सुग्रीव के राज्य अभिषेक के बाद, जब राम ने उन्हें राजनीति और अच्छे शासन के बारे में सलाह दी, तो उन्होंने इस बारे में उल्लेख किया कि उनके वर्तमान दुख इसलिए हैं क्योंकि उन्होंने एक कमजोर व्यक्ति के साथ बुरा व्यवहार किया।

राम ने सुग्रीव से कहा: “आप जो भी करें, उसे स्वीकृत आचार संहिता के आधार पर करें।” उन्होंने समझाया कि उन्हें अपने विषयों के हितों की रक्षा कैसे करनी चाहिए, भाषा में नम्रता कितनी महत्वपूर्ण है: “यहां तक कि जब आपको पता चलता है कि आपके सामने वाला आपका दुश्मन है और उसके साथ सख्ती से पेश आना चाहिए, तो शब्दों से चोट न पहुँचाएँ। मजाक में भी किसी की भावनाओं को ठेस न पहुँचाएँ, यहाँ तक कि सबसे नीच व्यक्ति को भी नहीं,” उन्होंने कहा—उन्हें याद आया कि कैसे वे बचपन में कूनी की विकृति का मज़ाक उड़ाते थे और उस पर मिट्टी के गोले फेंकते थे, और सोचते थे कि शायद कूनी ने जीवन भर अपनी दुर्भावना को पोषित किया होगा और जब दशरथ ने उन्हें राजगद्दी पर बिठाने की योजना बनाई तो उसे बदला लेने का अवसर मिल गया। राम ने समझाया कि कैसे एक तुच्छ कारण भी अपने पीछे आपदा ला सकता है।

महाभारत

यहाँ हम पांडवों और कौरवों के बचपन के कारनामे देखने जा रहे हैं।

जब कौरव और पांडव अपने पिता के घर में धृतराष्ट्र के बेटों के साथ बचकाने खेल खेलते थे, तो पांडव कौरवों से बेहतर होते थे—तेज़ दौड़ने में, लक्ष्य पर निशाना लगाने में, खाने में और धूल उड़ाने में। भीमसेन ने धृतराष्ट्र के सभी बेटों को हरा दिया। खेल-खेल में, उसने उनके कानों के ऊपर के बालों को पकड़ लिया। जब वे पांडवों से लड़े, तो उसने उनके सिर पकड़ लिए। अकेले और कम से कम प्रयास से, वृकोदर ने उन 101 पुत्रों पर अत्याचार किया, जिनमें बहुत अधिक शक्ति थी। सबसे शक्तिशाली उन्हें अपने पैरों से मारता था। वह उन्हें जमीन पर गिरा देता और उनकी जांघें, सिर और कंधे तोड़ देता। पानी में खेलते समय, वह कभी-कभी उनमें से दस को अपनी बांहों में पकड़ लेता और उन्हें पानी में दबाए रखता, और उन्हें तभी छोड़ता जब वे डूबने वाले होते। जब वे फल लेने के लिए पेड़ पर चढ़ते, तो भीम अपने पैरों से पेड़ को लात मारता और उसे हिला देता। बल से हिलकर, पेड़ घूम जाता और तेजी से अपने फलों के साथ जमीन पर गिर जाता, जिससे राजकुमार डर जाते। लड़ाई, गति और युद्ध अभ्यास में, राजकुमार कभी भी किसी भी प्रतियोगिता में वृकोदर से बेहतर नहीं हो पाए। इस प्रकार, सभी प्रतियोगिताओं में, धृतराष्ट्र के पुत्र भीमसेन से घृणा करने लगे, भले ही वह उनसे कोई दुर्भावना नहीं रखता था, क्योंकि वह केवल एक बच्चा था। 'भीमसेन की महान शक्ति अच्छी तरह से ज्ञात हो गई। अंततः यह युद्ध की शुरुआत थी जिसने कई लोगों की जान ले ली।

निष्कर्ष: बचपन में सभी के साथ अच्छा व्यवहार करें और किसी से नफरत न करें, और किसी को तंग न करें।



मेरी माँ - PRERNA B – III A

माँ है संसार में सबसे प्यारी,
माँ की ममता है सबसे न्यारी ।
माँ करती हैं सबकी रखवाली, जिससे रहती है घर में खुशहाली ।
सुख दुख सब भूल कर हमें जीना सिखाती, हमारी खुशी में खुद खुश हो जाती ।
सच बोलना हमें सिखाती, सही राह पर चलना हमें दिखाती ।
निस्वार्थ प्यार करती है हमसे, ऐसी प्यारी है हमारी माँ ।
धूप में छाया बनकर, अंधेरे में रोशनी बनकर,
हमारे जीवन की रक्षा करती, ऐसी अनमोल है हमारी माँ ।

हे भगवान - RAKSHITHA D - V B

हे भगवान
छोटे बच्चे हम नादान, पूजा करते हे भगवान।
फूल हमारे तुम रख लेना ,हमको बल बुद्धि दे देना ।
पढ़ लिखकर हम बने महान, आए अपने देश के काम।





SANSKRIT





अनुद्योगिता - TEJAS P - XI C

प्रस्तावना

वर्तमानकाले अनुद्योगिता एकः महत्वपूर्ण सामाजिक तथा आर्थिक विषयः अस्ति । व्यक्तीनां योग्यतानुसारम् उद्योगानाम् अभावः इति एका मुख्यतमा समस्या सृजति । अनेके युवकाः एवं युवत्यः अस्मिन् समस्यायां ग्रस्ताः भवन्ति । एषा समस्या सामाजिकसमृद्धिं बाधते । अतः तस्य समाधानाय चिन्तनम् आवश्यकम् अस्ति ।

अनुद्योगितायाः कारणानि

अनुद्योगितां कृत्स्नं परिदृश्य विश्लेष्य अनेकानि कारनणानि उपलब्धानि सन्ति । तत्र प्रथमतः शिक्षा एवं प्रशिक्षणस्य अशुद्धता समस्यायाः मुख्यकारणम् अस्ति । द्वितीयं तु उद्योगसंवर्धनस्य अभावः, तृतीयं वर्तते अत्यधिक जनसङ्ख्यावृद्धिः, चतुर्थं मुख्यं कारणं भवति कार्यकौशलस्य अभावः अपि मुख्यं कारणम् अस्ति।

अनुद्योगितायाः परिणामाः

अनुद्योगितायाः परिणामाः विविधानि सन्ति । प्रथमतः सामाजिकविच्छेदनस्य वृद्धिः यथा अपराधस्याधिकता, अशान्तिः चास्ति । द्वितीयमार्थिकविपन्नता, तृतीयं मानसिक-स्वास्थ्यस्य समस्या ।

समाधानानि

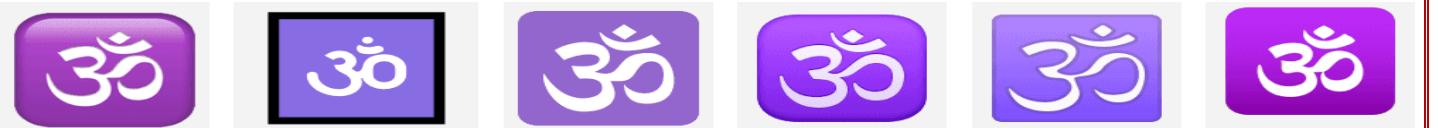
अनुद्योगितायाः समाधानाय यथार्थः उपायः आवश्यकः । एतस्याः समस्यायाः प्रतिकाराय बहुविधाः उपायाः अनुसृतव्याः भवन्ति । शिक्षायाः गुणवत्ता, औद्योगिक विकासस्य प्रोत्साहनं, जनसङ्ख्यायाः नियन्त्रणं तथा कार्यकौशलवृद्धिः इत्यादि उपायाः उचिताः स्युः। यद्यपि अस्यां समस्यायां सङ्घर्षः भवति तथापि तस्याः उचिता उपक्रिया समाजस्य उन्नतिं साधयितुम् अर्हति ।

समाप्तिः

अनुद्योगितायां विषये सम्यक् विचार्य, समस्यायाः परिहाराय यथार्थप्रयासाः आवश्यकाः सन्ति । समाजस्य विकासाय सर्वे मिलित्वा कार्यं कर्तव्यं भवेत् ।

अस्मिन् सन्दर्भे स्वामी विवेकानन्दमहाशयस्य उपदेशवाक्यस्य स्मरणम्:

“उत्तिष्ठत ! जाग्रत ! प्राप्य वरान् निबोधत”





OUR CHERISHED MEMORIES



Teaching Staff – 2024 -2025



D.A.V. Mat. Hr. Sec. School

Teacher's Group Gill Nagar , Ch - 94. Batch: 2024-25



Old No:162, Sivananda Salai, Choolaimedu, Chennai-600 094. | matric.gillnagar.davchennai.org

Office Staff & Supporting Staff – 2024 -2025



Class XII A (2024 -2025)



D.A.V. Mat. Hr. Sec. School

Class: XII A Gill Nagar , Ch - 94. Batch: 2024-25



Old No:162, Sivananda Salai, Choolaimedu, Chennai-600 094. | matric.gillnagar.davchennai.org

Class XII B (2024 -2025)



D.A.V. Mat. Hr. Sec. School

Class: XII B Gill Nagar , Ch - 94.

Batch: 2024-25



Old No:162, Sivananda Salai, Choolaimedu, Chennai-600 094. | matric.gillnagar.davchennai.org

Class XII C (2024 -2025)



Class: XII C

D.A.V. Mat. Hr. Sec. School
Gill Nagar , Ch - 94.

Batch: 2024-25



Old No:162, Sivananda Salai, Choolaimedu, Chennai-600 094. | matric.gillnagar.davchennai.org

Class X A (2024 -2025)



D.A.V. Mat. Hr. Sec. School

Class: X A

Gill Nagar , Ch - 94.

Batch: 2024-25



Old No:162, Sivananda Salai, Choolaimedu, Chennai-600 094. | matric.gillnagar.davchennai.org

Class X B (2024 -2025)



D.A.V. Mat. Hr. Sec. School

Class: X B Gill Nagar , Ch - 94.

Batch: 2024-25



Old No:162, Sivananda Salai, Choolaimedu, Chennai-600 094. | matric.gillnagar.davchennai.org



SPORTS CORNER

Football under 14 - Boys



Football under 17 - Boys



Volleyball under 14 - Girls



Volleyball under 17 - Girls



Volleyball under 19 - Girls



Throwball under 14 - Girls



Throwball under 17 - Girls



Volleyball under 14 - Boys



Volleyball under 17 - Boys



Volleyball under 19 - Boys



Shuttle Badminton Under 14 Boys





OUR SCHOOL ACTIVITIES AND CELEBRATIONS

FESTIVAL OF EXPRESSION





INTERNATIONAL YOGA DAY







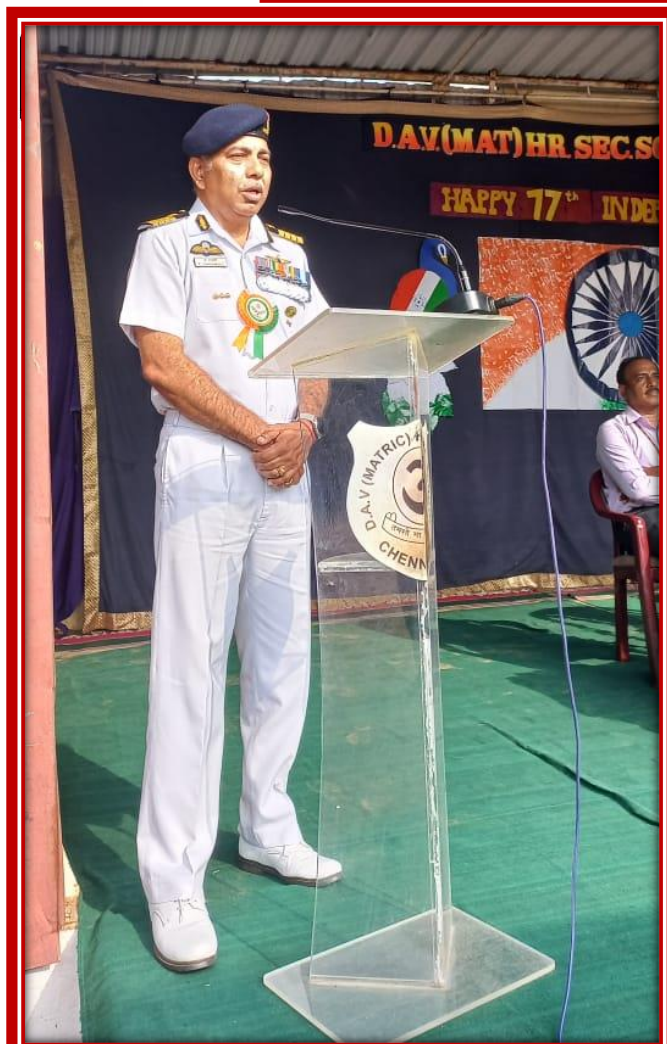
KAMARAJ'S BIRTHDAY CELEBRATION







77th INDEPENDENCE DAY CELEBRATION







25th ANNUAL DAY CELEBRATION



ANNUAL
DAY







75th REPUBLIC DAY CELEBRATION







PONGAL CELEBRATION



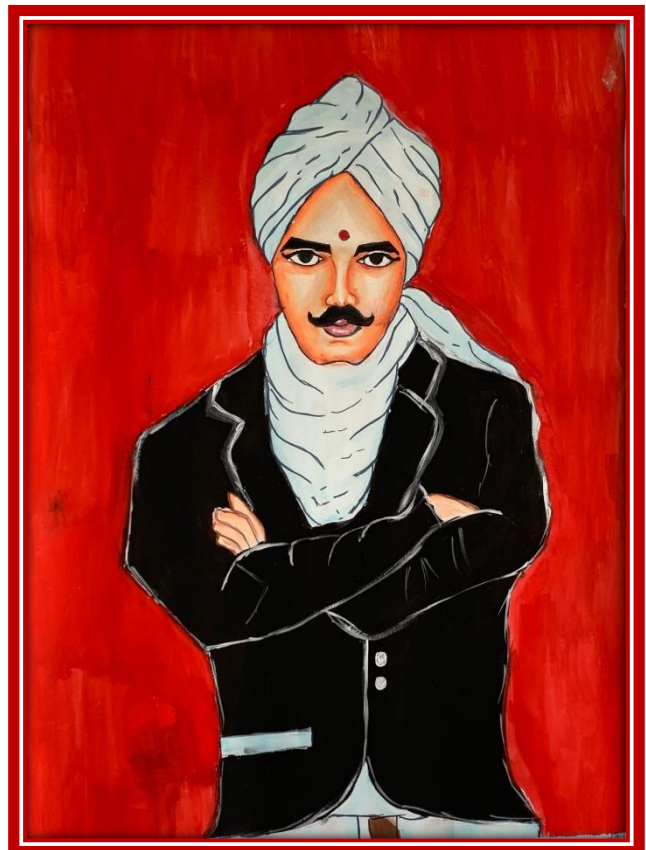


SWAMI VIVEKANANDA BIRTHDAY CELEBRATION





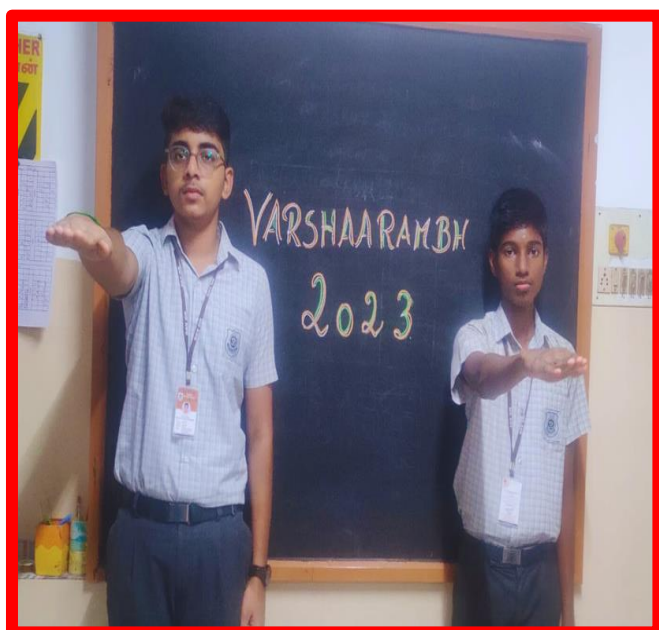
MAHAKAVI BHARATHIYAR'S BIRTHDAY CELEBRATION





OUR SCHOOL ACTIVITIES

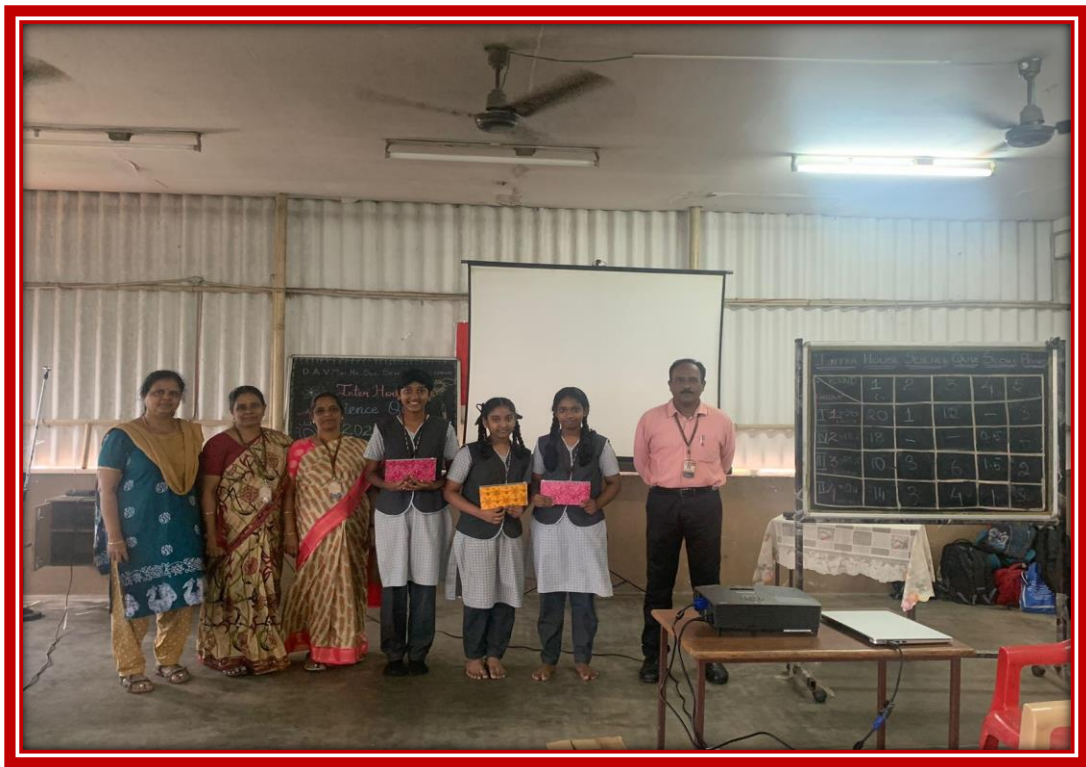
VARSHA AARAMBH





INTER HOUSE SCIENCE QUIZ







SCIENCE EXHIBITION



INTER HOUSE MATHS QUIZ COMPETITION





CULMINATION DAY





FAREWELL





SEVA MAITHRI ACTIVITY



CARNIVAL





VARSHAANT PARVA





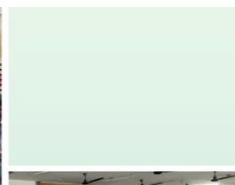


MATHRU PITHRU VANDANA



VIDHYA SAADHAN







GAYATHRI MAHA YAGNA





ROYAL MADRAS YACHT CLUB





COMPETITIONS

RANGOTSAV-2023 COMPETITION



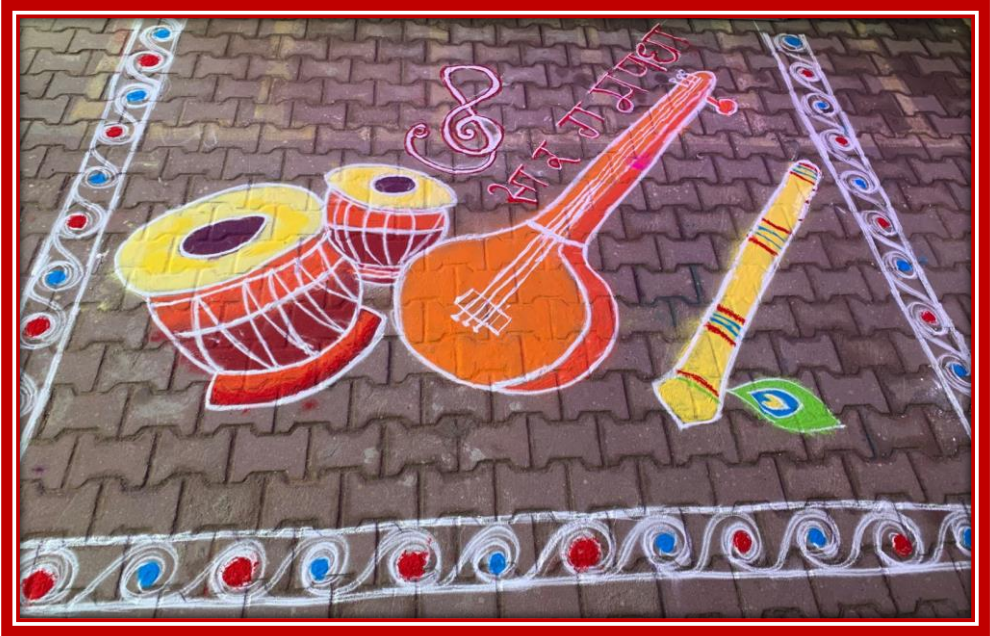


SHRI KRISHNA INTER DAV YOGA COMPETITION





PRATIDHVANI







INTER HOUSE STORY TELLING COMPETITION





VEERA MANGAI VELU NACHIYAR SILAMBAM COMPETITION







THIRUKKURAL AND VEDIC CHANTING COMPETITION





NRITYOTSAV





AWARENESS PROGRAMMES

CAREER IN DEFENCE





DRUG ABUSE





BLOOD DONATION CAMP





EVENTS

ANNUAL ATHLETIC SPORTS MEET



ATHLETIC

SPORTS



MEET





DAV ALUMNI REUNION-SANGAM-2023



ALUMNI

SANGAM 2023



REUNION





DEIVA PULAVAR THIRUVALLUVAR VOLLEYBALL TOURNAMENT







PRIMARY SPORTS DAY





WORK SHOP

JNANA PRABODHINI





RAISING A MATHEMATICIAN





ADVENTURE CAMP AT D.A.V. AKT DSPA



EDUCATIONAL TOUR

TRIP TO TRIVANDRUM AND WAYANAD





TRIP TO KUPPAM



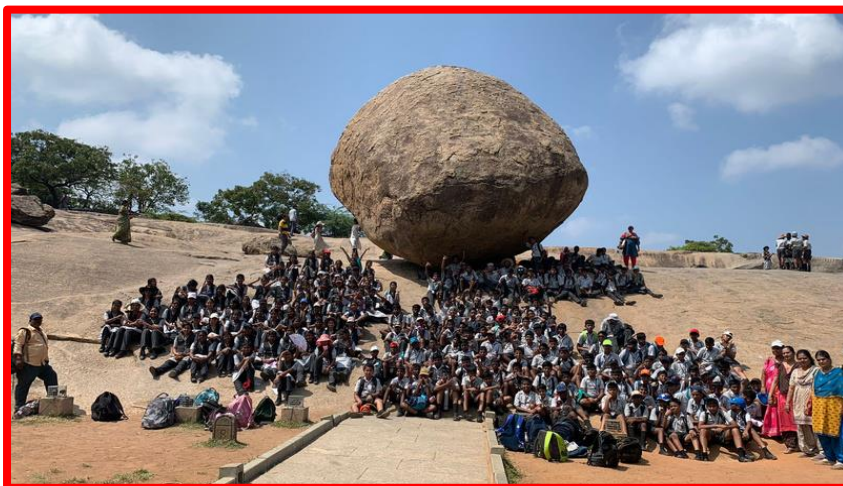
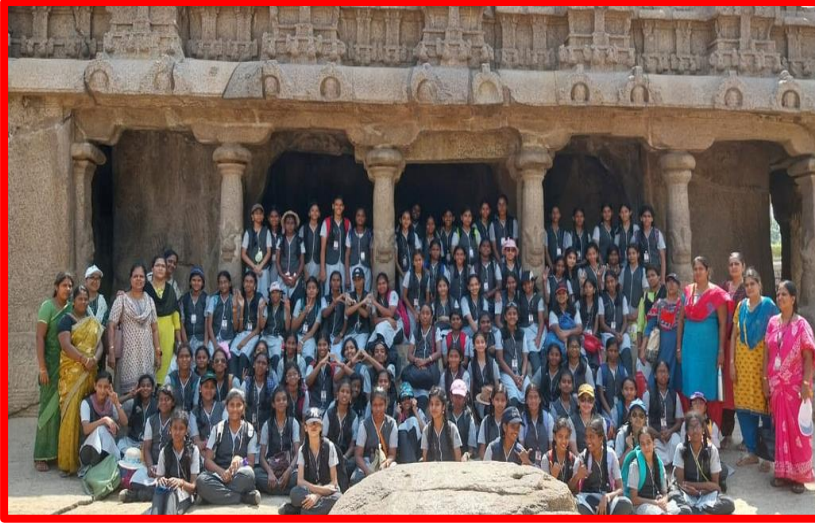


TRIP TO PERIYAR SCIENCE AND TECHNOLOGY CENTRE





TRIP TO MAHABALIPURAM

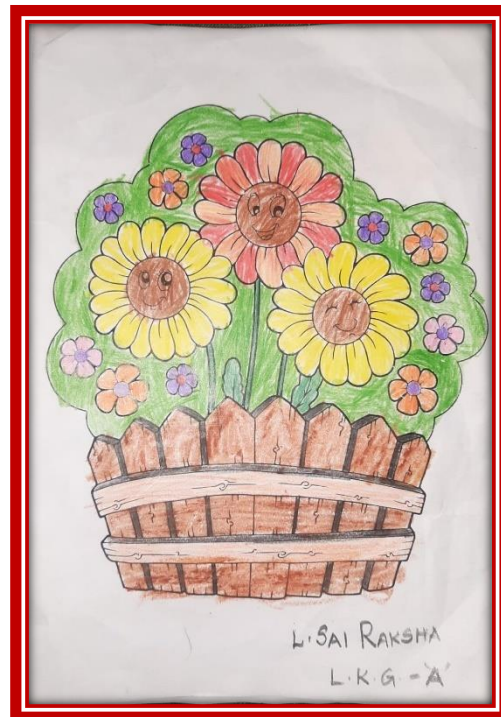


ART SECTION





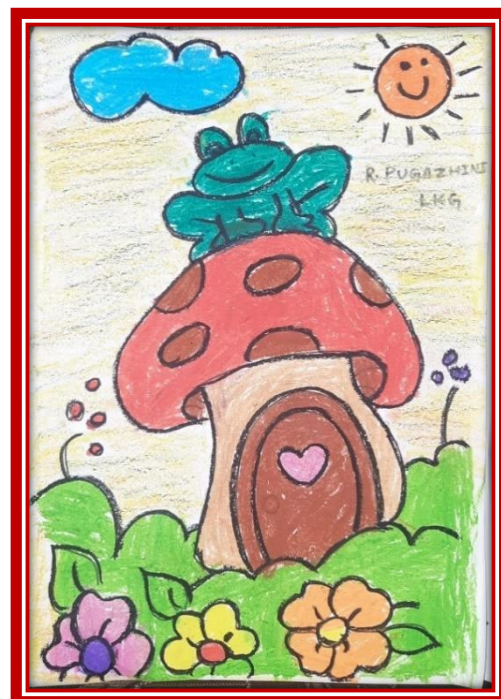
**ADITHYA M K
LKG**



**SAI RAKSHA L
LKG**

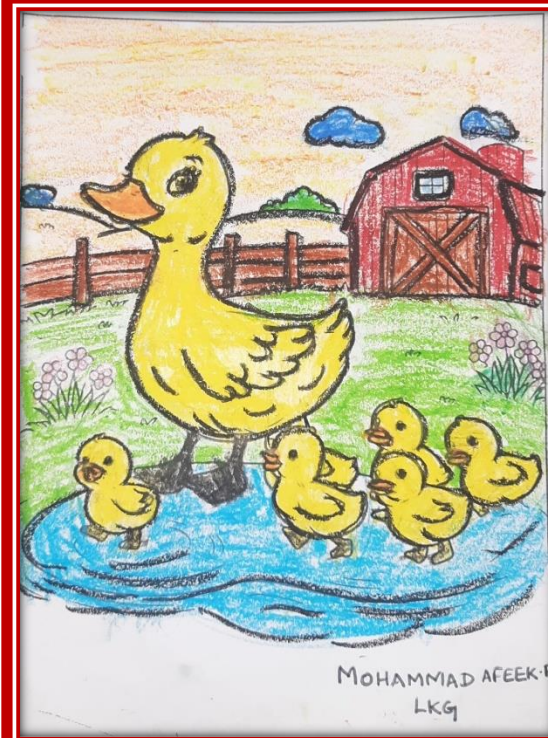


**RAKSHITAA G
LKG**



**PUGAZHINI R
LKG**

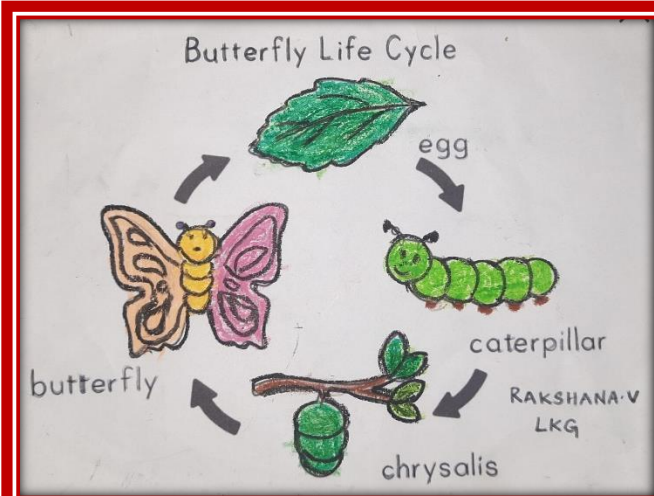




**MOHAMMAD AFEEK F
LKG**



**JATHIN AKSHAJ GUNTUKU
LKG**

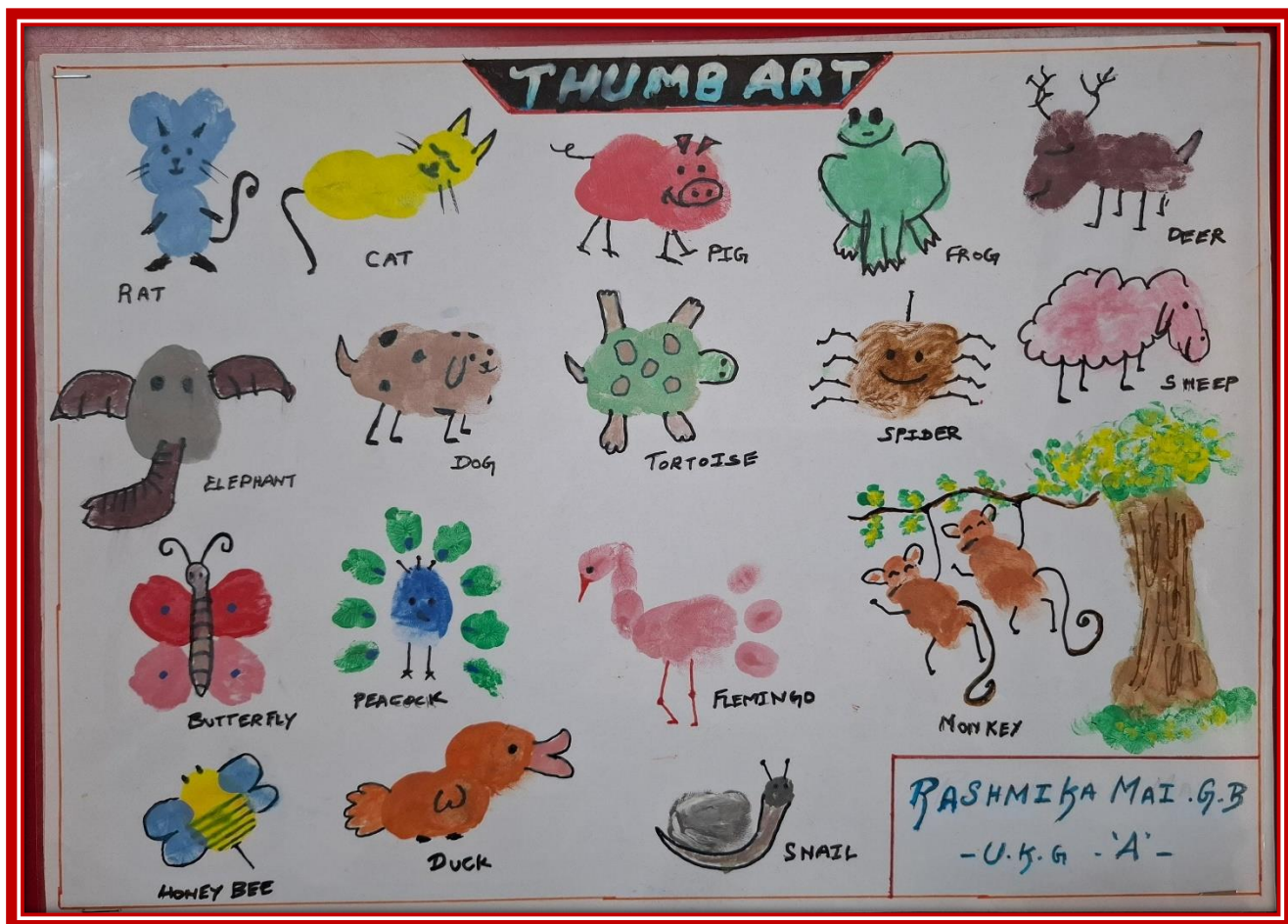


**RAKSHANA V
LKG**

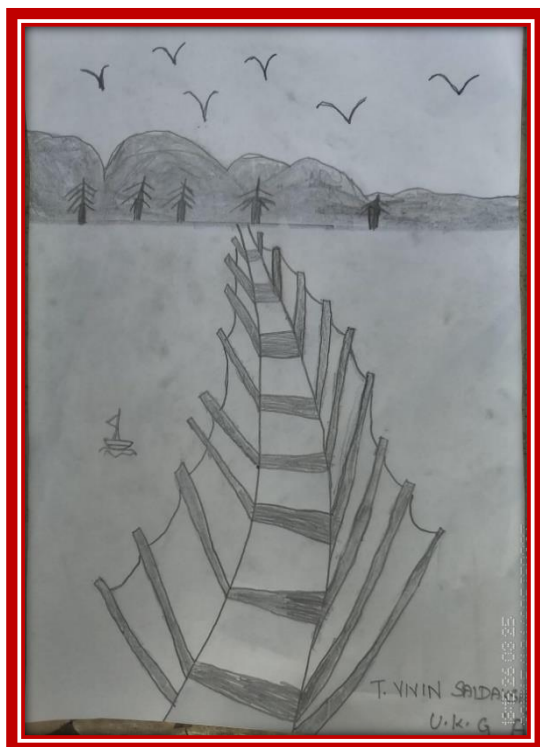


**MONISHAA L
LKG**





**RASHMIKA MAI G B
UKG**



**VIVIN SAIDAKSHIN T
UKG**





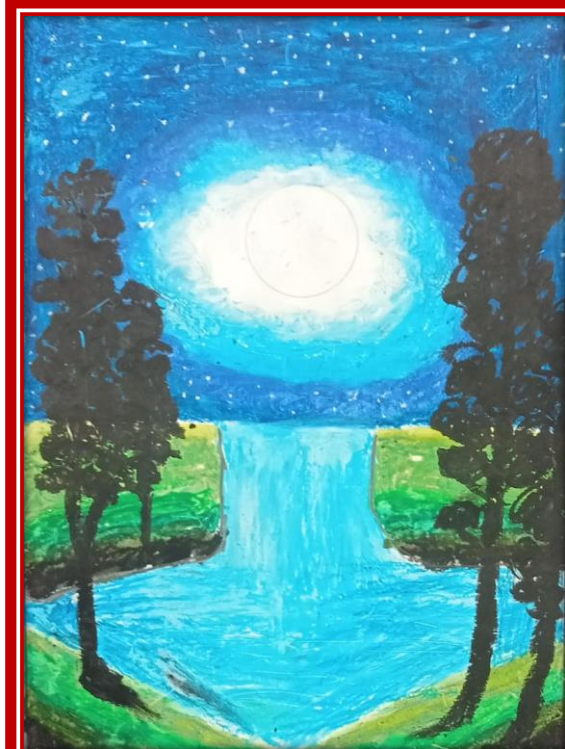
JAYAVISHNU T
II A



NITIKSHA P
II B



DOSHINI M
III A



RUGAN KRISHAR M
III B





**NIRANJANA S
V B**



**PRASANNA K
VI A**



**JANANYA S
VII A**



**ABINAYA K
IV B**





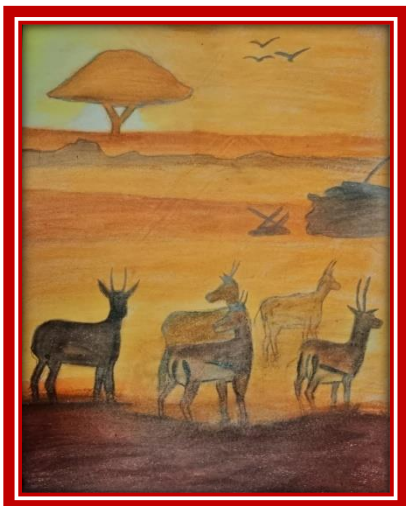
**HEMASRI B
VIII B**



**ALLAN MICHAEL A
VIII B**



**ISHWARYA.R
XII C**



**KOWSHIK V
IX B**



**KRISHNA PRASAD R
X B**





**JANANYA S
VII A**





INCLUSIVE EDUCATION



**INCLUSIVE EDUCATION IS A DYNAMIC, EVER EVOLVING
APPROACH THAT REQUIRES ONGOING REFLECTION AND
CONTINUOUS ENHANCEMENT**



*Education is one thing no one can
take away from you.....*



ADHITHVI. A
IV - A



DHANSIKA. M
II - A



AKSHARA . D
V - B



MADESHWARAN. M
VI-A



ANEESH YOGESHWARAN
V - B



PRAJAN. V
IV-A



DAKSHINA GURUSWAMY. P
VII-A



TANISHA . P
VII-A



DHRUV .R. BAKER
III-A



ASHVIKA . H III-B



NIKHITHA SREE. S
VIII- B



SAI MITHRA V
VIII-A



RAHUL K.G, VIII-A



RITHWIK. G
VI-B



ASHWATH DATTA
V-A



KRISHIV. S
V-A



PRANAV BALAKRISHNA. K
V-B



KRITHIK VATSAN K

IV-A



YASVANTH RAM M. S

U.K.G



SAI SURYA V P

III-A



LINGESH P.M.

III- A



SRI PARTHASARATHY ADDANKI

III- B



ADVAIYTH. G. J

VI – A



KOUSHIGHA. P

II- B



ATHARVA. G

I- A



AISHWARYA. S

II- B



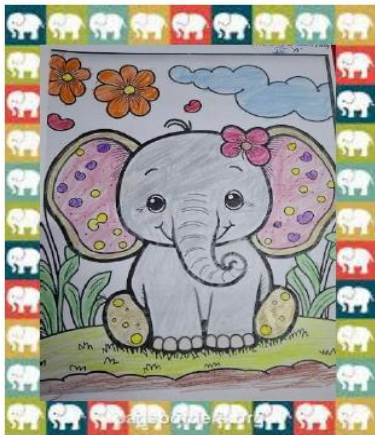
ARJUN SANDRON. D

II- A



KAUSHIK BABU. S K

VII - B



AASHISH KARTHIKEYAN

III – A



ABISHEK KARTHIKEYAN

II – B



HARSHITHA P. S.

U.K.G



HARPITHA P. S.

U. K. G.



SRINESH RAJ

V – A



MADESHWARAN . M

VI- A



SIDDHARTH. S

IV – B



DHANSHIKA . M

II-B



NIKHIL DEV D.P.

II – A



SAI SARVANAN. A

II – B



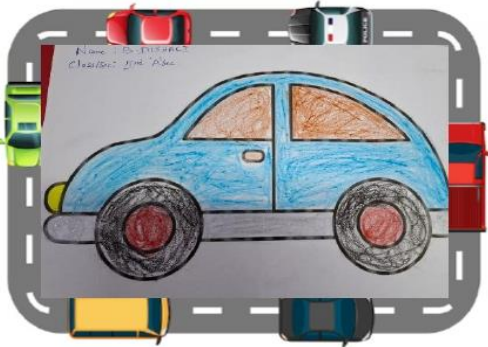
TANUSHREE .P

II – A



TANMAYAA SREE T

V B



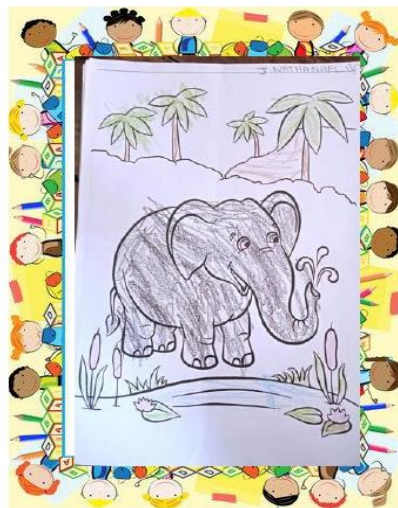
DISHALI. B

II – B



DHAANYA. R. BAKER

II-B



NATHANAEL. J

IV-A





AKSHAY HARDHIK A X A
2024-2025

