8. FUN FACTS ABOUT OCEANS

June 8 - World Oceans Day

- Ninety four percent of all life forms on Earth are aquatic [From this number ninety percent resides in the Oceans abyssal tone].
- The deepest recorded point on the Ocean floor is the Mariana Trench, with a depth of nearly 36,000 feet.
- Oceans have an average depth of 3.5 kilometers.
- 70% of the oxygen we breathe is Produced by the ocean.
- Light can't Penetrate 300 feet through the ocean; this area that can never be touched by Sunlight is called the "deep Sea".
- Ninety percent of all volcanic activity on Earth happens in the Ocean.
- A mouthful of water, from the Oceans contains millions of bacteria and billions of Viruses.

Name – Navya Anil Tawre

Std – 8th Div - A

Effective Time Management Tips for Students

Time management is a Crucial assignments skill for students. Between classes, assignments, extra-curricular activities. and social life, it can be challenging to stay on top of everything. Effective time management can help reduce Stress, improve academic performance, and create a balanced lifestyle. Here are some practical tips to help students manage their time effectively.

- **set clear goals: -**

  Before planning your schedule, define your Short-term and long-term goals. whether its completing an assignment, having clear objectives will help you prioritize tasks.

- **Create a study schedule: -**

  Having a well-structured schedule allows you to allocate time for studying, breaks and others activities. Use planners to organise your tasks.

- **Avoid Procrastination: -**

  Procrastination leads to stress and poor performance. To overcome it: -

  - Break large tasks into smaller, manageable parts.
  - use the Pomodoro Technique (work 25 minutes, take a 5-minute break)

- **Use technology wisely: -**

  Leverage apps like google Calendar, Notion to keep track of assignments. However, avoid spending excessive time on social media or entertainment apps.

- **Develop a healthy routine: -**

  Good time management also includes self-care. Maintain a regular sleep, eat nutritious meals, exercise regularly.

  Time management is a skill that takes practice. By following these strategies, students can boast productivity, reduce stress and achieve their academic goals effectively.

Name – Sharv Kishor Thakur

Std – 9th Div – C

India's development in Aviation Sector

Nowadays, air travel has become an important part of transportation in today's world. More than 1 lakh commercial flights take off and land worldwide. Most of the developed countries have made great advancement in their aviation sectors. But the conditions are different in India. Being third largest economy and largest country by population, aviation is still lacking behind in India. In the coming years, this image of India will change.

Airports Authority of India (AAI) has taken up many projects like UDAN to improve aviation in our country. It aims to double country's operational airports to 300 by 2047. This would further motivated airlines in India to purchase more aircrafts. Increased airports would improve the connectivity between various cities in our country. Passenger traffic is expected to increase from 376 million to 3 – 3.5 billion annually due to economic growth and increasing affordability of air travel. The construction of Navi Mumbai and Noida airport is the best example of the projects of AAI. This will make India a major global aviation market in the future.

Name – Kush Vaibhav Chorghe

Std – 9th Div – C

D. Gukesh: Youngest World Chess Champion

- **Introduction**

  At just 18 years old, Dommaraju Gukesh has carved his name into chess history, becoming the youngest world chess champion ever. Born on May 29, 2006, in Chennai, his rapid rise and fearless play have made him India's new chess Sensation, following in the footsteps of Vishwanathan Anand.

- **Journey to Glory**

  2019: Became a Grandmaster at 12, the third-youngest in history.
  2022: Stunned the world by defeating Magnus Carlsen, proving he belonged among the elite.
  2023: Surpassed Vishwanathan Anand to become India's No. 1 chess player, ending Anand's 37-year reign.

- **World Chess Championship 2024**

  The world watched as Gukesh took on defending champion Ding Liren in Singapore, a battle of strategy, nerves and sheer brilliance. The match was a thrilling display of sharp openings, deep calculations and resilience. With brilliant strategy and fearless aggression, Gukesh kept Ding on the back foot, securing a decisive victory, breaking Garry Kasparov's record as the youngest world champion ever. This also marked India's second world champion title after Anand, sparking a renewed passion for chess across the country.

- **Conclusion**

  Gukesh's victory is more than just a milestone-it's the dawn of a new era in Indian Chess. With his exceptional talent and relentless drive, he's set to shape the future of global chess.

Name –

Std – **Div –**

AI is today's need

1. AI is today's need,
   Whatever we want,
   It gives indeed.
2. English, Maths, Science, History, Geography,
   The Homework we get,
   It prompts us all ready.
3. Science and Social Studies project
   The model we want
   'Generating image' and we get
4. When doubts are here
   Our mind says
   Come here, AI is here
5. AI answered us in two seconds
   And saved our thousands of seconds
6. It helped us in academic
   By giving us answers
   That are too energetic
7. AI was need of yesterday
   AI is need of today
   AI will need for tomorrow
8. AI is today's need
   Whatever we want
   It gives indeed

Name – Ansh Ashok Kurekar

Std – 8th Div – B

Article on Los Angeles Wildfire

The recent Los Angeles wildfires have left a trail of destruction, displacing thousands of residents, scorching vast areas of land and testing the city's emergency response systems. The wildfires, also known as Woolsey fire, began on January 7,2025. The causes of the wildfires are very complex. Strong winds fuelled the fire's growth. The fire's location in rugged, mountainous terrain made it difficult for firefighters to access and contain the blaze.

The consequences of the wildfires have been devastating over 1500 structures, including homes, buildings, businesses and infrastructure have been destroyed. Thousands of residents were forced to evacuate, with many seeking shelters in temporary facilities or with friends and family. The fire has also burned through sensitive ecosystems, threatening local wildlife and their habitats. Additionally, the fire has released massive amounts of pollutants into the air, posing health risks to resident and firefighters. Over 3000 firefighters from local, state and federal agencies have battled the blaze, using ground and aerial resources. Organisations, such as the American Red Cross have provided food, water and emotional support to those affected.

As the fire is brought under control, attention turns to recovery and rebuilding efforts. Crews are working to clear debris and hazardous materials. Plans are underway to rebuild and reconstruct damaged infrastructure, homes and businesses. The road recovery will be long and challenging, but the resilience of the Los Angeles community will be crucial in its rebuilding and healing.

Name – Shyam Divakaran Puthillam

Std – 8th Div – B

Significance

The Mahakumbh Mela 2025

The 2025 Mahakumbh Mela, currently underway in Prayagraj, India, makes a once-in-a-generation spiritual gathering where millions of Hindu devotes converge to bath in the scared confluence of the gangas, Yamuna and Saraswati rivers, seeking purification and liberation. This massive event, considered the world's largest peaceful congregation, is significant due to its occurrence only every 144 years, making it an exceptionally auspicious time for religious rituals and a testament to Indian's rich cultural heritage.

Beyond the religious significance, the Mahakumbh Mela show cases a grand display of tradition with processions by ascetics, vibrant cultural performances, and elaborate displays of devotion. The event also highlights India's ability to manage large-scale gatherings, with extensive infrastructure set up to accommodate the massive influx of hilgrims, including temporary tent cities and enhanced security measures.

Name –

Std – **Div –**

Save Water

Water is a precious resource that is essential for life on Earth. It is necessary for every life on Earth whether human, plants, animals or any living being.

We get water from many sources like Rivers, Ponds, Lakes, under-ground and also rainwater. We use water everyday for drinking, bathing and cleaning. Farmers use water for irritating and cultivating crops. Industries and water to make things we use. The energy sector also relies on water for cooling power plants and extracting fossil fuels.

Water is becoming polluted everyday. There are many causes of water pollution. First one is, Industrial waste like toxic chemicals release into water like toxic chemicals release into water which can contaminate water sources.

Pesticides and fertilizers from agricultural fields flow into water bodies causing water pollution. Another major reason for water pollution is littering by humans. Dumping solid wastes such as heavy metals, plastics, etc. contaminates water. Disposing of sewage in water is also one of the major reason for water pollution.

There are many ways to conserve water. One way is to use less water while washing hand or taking shower. Turn off the tap while washing hand or taking shower. Turn off the tap while brushing teeth, fix leaks, collect rainwater, educate others about water conservation. No matter how big or small, every effort counts.

Name –

Std – **Div –**

Cybersecurity Threats in India: Challenges and the Need for Stronger Defences

India’s rapid digital growth has led to rising cyber security threats, including phishing, ransomware, data breaches and cyber espionage. Key sectors like banking, healthcare, government agencies, and e-commerce are particularly vulnerable, with increasing risks due to digital payments and cloud-based services.

Challenges such as low public awareness, weak law enforcement, a shortage of cybersecurity professionals, and outdated security systems make India a prime target for cyber criminals. Small businesses often lack resources ton implement strong security measures further increasing vulnerabilities.

To combat these threats, India must strengthen cybersecurity laws, invest in advanced security infrastructure, and promote public awareness. Training cybersecurity professionals, enhancing law enforcement efforts, and fastering public-private collaboration will be key to security India’s digital ecosystem and reducing cyber risks.

Name – Advait Thakur

Std – IX Div – C

Women Empowerment

Women are the backbone of the families and communities. From her birth till her end of life, she plays various roles as a wife, daughter, sister, mother and many more. It is rightly said that:-

“A woman with voice is, by definition a strong woman”

Some women know how much power they have, but not all women are aware about the same. Their family thinks its right to take their lives if they bring shame to the reputation of their legacy. The term “women empowerment” came into existence in 19th century. Empowerment itself means ‘giving power’. Women are considered a weaker gender world-wide from thousands of years.

While the western countries are still making progress, third world countries like India still lack behind in Women Empowerment. India is amongst the countries which is not safe for them. The education and freedom scenario is very regressive here. Women are not allowed to pursue high education and married off early. Most importantly, the shame of divorce and abuse must be thrown out of the window.

Thus, we see how women empowerment is the need of the hour. We need to empower these women to speak up for themselves and never be a victim of injustice.

Why? Why?

Why is it so?!

Why is the women

Always estimated low?!

Let’s stop this ruthless act,

To this act, let’s say no!

Let’s treat her as a friend

And not as a foe …..

Name – Tanvi pandey

Std – VII Div – A

Wonders of the space explorations

“Remember to look up at the stars and not down at your feet. Try to make sense of what you see and wonder about what makes the universe exist. Be curious!”

- **Stephen Hawking**

Spare exploration has always fascinated humanity, expanding our knowledge of the universe and pushing the boundaries of science and technology. From the first moon landing to modern mars missions, own quest for knowledge has led to incredible discoveries. Among the greatest contributers to space sciences was Stephen Hawking, whose groundbreaking theories revolutionized our understanding of black holes, time and the origins of the universe.

Hawkings theory of black holes, particularly, Hawking radiation, challenged long-held beliefs. He proposed that black holes are not entirely black but slowly emit radiation, eventually causing them to evaporate. This discovery bridged the gap between quantum mechanics and general relativity, reshaping astrophysics. His work on the Big Bang Theory suggested that the universe emerged from a singularity, expanding and evolving from a billion of years. He also explored the concept of multiuniverses, proposing that our universemay be one among many.

Space exploration has not only advanced theoretical physics but also brought practical benefits. Satellites enable global communication, GPS and weather forecasting. Medical advancements like MRI technology and water purification have stemmed from space research. Missions like India’s Chandrayaan and Mangalyaan have placed the nation at the forefront of space exploration, while international projects continue to explore deep space.

The future holds even greater possibilities – human colonization of Mars, interstellar travel, and the search for extraterrestrial life. Hawking warned that humanity must become a multi-planetary species to ensure survival. As technology advances, space exploration will continue to push the limits of human potential, inspired by the vision of scientists like Stephen Hawking.

“I believe the simplest explanation

Is, there is no God. No one created the

Universe and no one direct our fate.”

- **Stephen Hawking**

Name –

Std – **Div –**

Water conservation: Are we even doing Anything?

By Sharvi

We know how water, an essential resource on which the entire human race depends on is becoming scarce. There are lakhs of people in India who are already facing the brunt of irregular water supply or are living without clean drinking water. As a result, Citizens are getting affected by waterborne diseases. Even though we have been taught about water conservation since the early years of lives, yet the contribution from everyone is not as significant as it should be.

Around 71% of the earth's surface is covered by water out of which, 97% is the saline water of oceans and seas which is unfit for drinking. The remaining 3% of drinkable water comes from streams, ponds, lakes and rivers. Rapid urbanization, irregular monsoons, expeditious use of groundwater, and unchecked sewage has further pushed the into a dire strait and has made it quite hard to quench the thirst of the population. Today is the situation where the world is headed towards a water crisis and the day is not far enough for another country or a major city to become the next cape town.

As a citizen, it's our fundamental responsibility to supplement the efforts of the governments and organization with our actions. Using a limited amount of water while washing clothes and utensils, brushing teeth, and bathing and farming is the first step in this. Schools and offices should start planting as many trees as possible, NGO'S must come up with plausible solutions and spread awareness amongst masses about the importance to conserve water. To every problem, there is a solution. In order to bring out change, our actions need to be changed.