

February is the shortest month of the year. After the brief Mumbai winters, days steadily start to grow longer and **Spring** is just a calendar page away. Nature too seems to emerge from its winter slump!

February is also a busy month for our students ; it's the month of their final assessments . Every student wishes that there were no exams at all! A student's life goes on happily until there's the inevitable announcement of the Examination schedule. The poor student burns midnight oil and has to work hard to get good grades.



Art work done by Andrea Baptista, 6B

Some significant dates in this month that we must remember every year:



Art work by Shlok Baidya, 5C

1st February to 9th February: Kala Ghoda Arts Festival which is annually held in Mumbai. It offers a vibrant spectrum of colour, culture and traditions. There are book launches, dance performances, musical delights and handmade handicrafts. This festival is a delight for every art connoisseur.

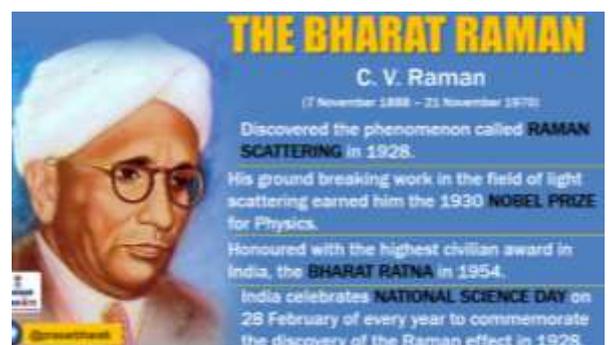


13th February: Birth anniversary of the Nightingale of India Sarojini Naidu. She was the first Indian woman President of Indian National Congress.

18th February: Taj Mahotsav Every year the Taj Mahotsav is celebrated at Agra. Taj Mahal represents the finest specimen of Indian craftsmanship.

19th February: is the birth anniversary of the great Maratha Emperor Chhatrapati Shivaji Maharaj.

28th February: National Science Day. It is celebrated to mark the discovery of the "Raman Effect" by the well-known Indian Physicist Sir Chandrashekhara Venkat Raman.



Last but not the least **February is the month of Examination.**

Exams are a part of growing up. Students develop a strong mind-set, a competitive spirit and an ability to work under pressure. Stay positive and work hard.

Here are some **Do's and Don'ts** to help you stay cool and calm.

Maintain a Positive Outlook.

Let no negative thoughts drain out your physical and emotional strength.

Planning is key to good revision. Draw out a timetable of allocated time slots to spend on each subject and stick to it!

Take Regular Breaks and Naps. You deserve it.... Our brains don't work well when we're tired, and revising can be exhausting. Make sure you take a break every hour for 10 minutes.

Eat Breakfast. We don't perform well when we're hungry, so no matter how nervous you are, eat a balanced breakfast. Avoid sugary foods like chocolate, this will give you a sudden burst of energy but cause you to crash during the exam!

Comparison Most of the students experience bouts of stress when they begin to compare themselves with others with regard to the pattern of revising or the number of chapters completed. Since every student has his own style of studying you should check out and follow a pattern of study that suits you the best.

Limit the time for Social Media Interactions

Get Enough Sleep. While food is fuel to the body, sleep replenishes the lost brain power.

PREPARATION FOR ASSESSMENTS

You've worked really hard, all through the night.

Good luck for exams, you sure are bright

It might be hard, it might be tough

But I know you can do it, no matter how rough.

Good luck for your exams!

It's been months and months, the time of exams are near
But I know you can do it; I have faith in you, don't you hear?

It might be hard, it might be rough
But you've worked really hard, I know you know your stuff!

The test is tomorrow, no more time to prepare.

It's finally time to get this out of your hair.

You might be nervous, you might be scared.

But I know you can do it, your intelligence cannot be compared.

Life often sends us a multitude of tests,
to test us where we think we know best.

Today is the day, for one of those tests, so I wish you good luck
and I hope you know that your hard work will pay off.

Give your best and will totally see that studying is good and it brings out the best.



Prisha Desai-Std 4C

SUMMATIVE ASSESSMENT

Two chapters to complete tonight,
The math problems are tough to fight;
The clock strikes twelve,
My books on the shelf,
Still remain unread.

I wipe a tear,
There's a lot to clear;
I look at my cosy bed,
With my eyes, bleary and red,
And off I sink into a slumber.

My clock screams in revolt,
I wake up with a jolt;
The sun is strong,
The exam starts before long,
But alas, two chapters to go.

I bite my nails, I wipe my sweat,
My hands are cold and dead;
But my lips stretch into a smile,
My fears fly out by a mile,
When I realised it was a dream!



Lakshmi Krishnan,5C

ASSESSMENTS

Few days hence will face the school test,
Prepared well, shall give my best.
Weeks have gone by spent in studies,
I'm playing with my dearest buddies.
Need to be thorough through revisions,
Ace them won't I, these tough examinations.
Sail shall I, with flying colours,
Or be left will I, seeing my Mom's tremors.
Exam and tests do I worry?
Nay!, Fears of the past I did bury.
Online schools with teachers and their
busy schedules
Aren't they, ensuring that we folks are not
turning into mules?



Prithvi Nair, 3- C

STUDY REGULARLY

Regular study has many benefits than few,
During exams, chapters no longer look new.
Regular study keeps you connected with your
subject,
And doesn't let your mind get distracted by any
object.
Revising daily helps you not to forget your previously
studied chapter,
And helps in answering the questions in exams on
any matter.
Regular study helps you build concentration
whether it is calculation, grammar or punctuation.
Studying daily will boost your confidence,
Which will go a long way in proving your
competence.
Finally studying regularly will lead to ultimate
success,
This is the best habit which everyone should
possess.



Mishika Shenoy, 4B

PREPARE WELL FOR THE TEST

Being students, we should make regular study a habit as it plays an important role when we advance in our education. Regular study improves our knowledge and confidence levels. If you make it a habit, studies will never be a burden. It also helps to maintain self-discipline and consistency in performance. It also makes us well prepared for all exams in advance which ensure we get good grades. Hence, it is advisable to all students to make regular study as a habit with a note which says, "Grades are temporary, knowledge is permanent".



Sarayu Dontaraju 3C

WORRY LESS, STUDY MORE

Knowing your priority to study is necessary,
Make a bundle of books as your accessories.
Studying gives us wings to fly,
Because knowledge is a thing you can never buy.
Let's put our head and heart into our studies,
Let's dive in the pool of goals and remove our worries.



Khushi Fadia, 4 A

ALWAYS STAY ORGANISED

It is said 'Rome was not built in a day'. Similarly if you want to understand your subject in depth and gain knowledge you have to study regularly and make it a habit. A student with a habit of studying regularly can become efficient in completing his homework before time and will remain more organized if he sets up a study timetable. Regular studies keep the students connected with their subjects boosting confidence level during exams. Let's develop a habit to study regularly for our better future prospects.



Vihaan Wagle, 4C

IT IS ASSESSMENT TIME

A habit will make you do 'what you love' as well as make you love 'what you do'. Habits are actions that we perform automatically. We should make it a habit of studying regularly. Regularly does not mean 'all the time'. "All work and no play, makes Jack a dull boy", is a proverb rightly said. Leisure time and playtime are also very important. When we study regularly, we engage ourselves in various activities, which develop in us a better sense of time management. There is a sense of accomplishment every day, as we complete our assignments and homework and run off to play. We need to strike the right balance between studies and play. If we make it a habit to study regularly, we build a lot of confidence in ourselves and our fear in the classroom disappears.

We are better prepared for any surprise test or quiz that may come up. We do not get tense in the examinations, and the need to stay awake for long hours, just before the examinations, for last minute studies does not arise. It is always advisable to have a good sleep, the night before the examination, which keeps us fresh during the examination. Last, but not the least, this habit will make us a lifelong learner and help us achieve success in our life.



Ms. Devanshi Shah, 4C

KEEP LEARNING

"Learning is the only thing the mind never exhausts, never fears, and never regrets."

And I truly believe this! Habits are actions that people perform automatically and without thinking. Similarly, if studying regularly becomes a habit, we really need not bother about making good results in exams. Our parents and teachers push us constantly to focus on studying regularly. It is proven that regular studies not only boost our confidence level, but also increases our concentration. Successful students usually get their work done in a short period of time and rarely try to complete their entire studies in just one or two sessions. To be a successful student, you need to be consistent in your studies and learn regularly. We should strive for smart study patterns, and not just hard work. Regular study keeps you connected with your subject and doesn't let your mind get distracted from studies. Also we can promptly answer in the classroom sessions and can gear up the academics on time. There is really no need to slog for long hours in studies every time. It's boring!!

Since there is confidence, you can have good sleep the night before the exam which keeps you fresh during the exam. In the end, study will never be a burden. When you alter your study habits you will definitely get the desired results and this will give you a feeling of ecstasy.

So friends, regular studies lead to build stronger memories and better recall. This will also develop time management, achieve educational goals and beat our stress.



Roshni Vajifdar – 4C

A GOAL I WOULD LIKE TO ACCOMPLISH THIS YEAR

One goal that I would like to accomplish this New Year is to use my time in doing something creative and useful. This year, as we are in lockdown, my studies have decreased, as we are studying online and not in classrooms. My leisure time has increased and I want to put it to some good use. The reason why I want to achieve this goal is that I want to spend more time learning new activities such as cooking and playing musical instruments.

Also, I have decided to read more books to increase my vocabulary. To achieve this goal, I have enrolled myself in new online activities. I am currently learning to play the guitar. I am doing some craftwork to keep myself occupied. I would advise all of you who are reading this to make the most use of your leisure time.



Sai Rane, 7C

WHAT I WANT TO ACCOMPLISH IN 2021

One goal that I would like to accomplish in the New Year is to become fit and eat less unhealthy food. This is because unhealthy food makes us unfit. When we become fat, our cholesterol level rises and fat begins to accumulate in our blood vessels. This, in turn, causes heart diseases and increases the risk of heart attacks.

This is the reason why I want to become slimmer and reduce my body weight. Also, I want to grow taller. I plan to reduce my weight by exercising every day for half an hour. Jumping exercises and stretching have proven to be effective in increasing height.

I will try my best to eat less junk food and increase the intake of green leafy vegetables to reduce my weight and become fit and healthy.



Ibrahim Ahmed, 7C

IDEAS IN ACTION: MOVING TOWARDS A WORLD WITH CLEAN LAND

Mumbai, The City of Dreams has undergone a vast amount of development throughout its existence. Whether it be cheap transport or employment opportunities, Mumbai has excelled in all fields. But **the waste problem of Mumbai is degrading its beauty**. According to the **Central Pollution Control Board (CPCB)**, Mumbai generates **11000 tonnes of solid waste per day**. The waste generated is either dumped in dumping grounds or disposed of into water bodies. As per a report by Times of India, **Mumbai dumps around 2100 million litres of human waste into sea daily**. A global study found **the sea near Mumbai's coast to be among the most polluted**. I wish to bring back the beauty of **'Aapli Mumbai'** and suggest a way to reduce land pollution.

Singapore is a country surrounded by water on all sides. It is heavily urbanised and densely populated. As a result, the waste generation accounted for nearly **7.7 million tonnes of waste in 2018, enough to fill about 15000 Olympic-sized swimming pools**. On a **daily basis, the waste thrown is 21083 tonnes**, which is the weight of more than 1400 double-decker buses. **Even after so much waste, Singapore is Asia's cleanest country**.

- This is because they have **strict guidelines and fines** for littering.
- **The Semakau Island was established in 1999** and is estimated to hold **Singapore's waste until 2040**. It covers a **total area of 3.5 km²** and has a **capacity of 63 million m³**.

The construction of **The Semakau island** took many years but the end result was stunning. **I would like to adopt a similar method for creating a landfill island near Mumbai also**.

- A **7-8 km perimeter of rock bund could be built to enclose a part of the sea**.
- **The waste generated would be converted to ash by incineration plants and sent to a waste management plant** (near the coastline) for storage.
- **Later, it could be shipped to our own landfill island in a covered barge to prevent the ash from getting blown into the air**.

- To make the site clean, free of smell and look scenic, **trees and bushes can be planted** which will in turn **help in solving Mumbai's air pollution problem.**
- During construction, the installment of silt screens **will ensure that marine life is not affected.**
- **The landfill can be lined with an impermeable membrane,** and clay and any leachate produced can be processed at a leachate treatment plant.
- **Regular water testing will ensure the integrity of the impermeable ships.**

With proper methods, **Singapore has turned its landfill into a scenic island. Adopting its methods will surely help Mumbai in the near future.**

- If Mumbai would adopt a similar method of waste management, the **coastline could get cleaner, the air would get purer and the land could get better.**
- The cost of making "The Semakau island " was approx. 2900 crores rupees.
- **The BMC budget 2020-21 is ₹ 30,692 crore.** Out of this, the budget for **solid waste management is ₹ 177 crore.**
- With help from various organisations, private companies and better planning, **Mumbai can be able to create an artificial island in the Arabian Sea, solely dedicated to dispose waste in a better manner, without harming marine creatures.**
- If the plan is successful, the remaining landfills in Mumbai like **Deonar and Kanjurmarg can be permanently closed** and the area **can be used for green plantation.**
- With proper expertise and construction, **Mumbai's dream of becoming clean and more eco-friendly can be surely achieved!**

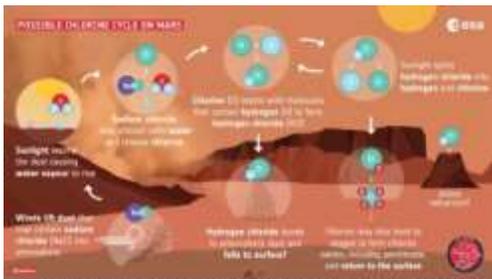


Shreyas Kulkarni 9 C



Art work by Preetha Gajjar,3A

DETECTION OF HYDROGEN CHLORIDE IN THE ATMOSPHERE



Graphic showing the potentially new chemistry cycle detected on Mars. (ESA)

Hydrogen chloride gas has been detected in Mars's atmosphere for the first time by the ExoMars Trace Gas Orbiter of the European Space Agency (Esa) and the Russian space corporation Roscosmos. 'This is the first detection of a halogen gas in the atmosphere of Mars, and represents a new chemical cycle to understand,' said Kevin Olsen from the University of Oxford, one of the lead scientists on the project.

The discovery of HCl on Mars was the result of a dust storm that hit the planet back in 2018. Chlorine-based gases sometimes indicate volcanic activity, but the HCl was found in the northern and southern hemispheres of Mars at the same time, and no other volcanic gases were detected. Therefore, the gas appears to be linked to an entirely new surface-atmosphere interaction driven by dust seasons on Mars.

Similarly to here on Earth, in the Martian environment sodium chloride – remnants of evaporated oceans and embedded in Mars' dusty surface – appears to be lifted into the planet's atmosphere by winds. The HCl that was

identified disappeared surprisingly quickly at the end of the 2018 dust season, and there are indications that it could return again the next year, Esa said.

'You need water vapour to free chlorine and you need the by-products of water – hydrogen – to form hydrogen chloride. Water is critical in this chemistry,' Olsen explained. 'We also observe a correlation to dust: we see more hydrogen chloride when dust activity ramps up, a process linked to the seasonal heating of the southern hemisphere.' Further reactions could see the chlorine or hydrochloric acid-rich dust return to the surface, perhaps as perchlorates, the agency suggested.

Regardless of the HCl origin, it appears unlikely that the processes responsible for its production and destruction would not affect the rest of Mars's atmospheric chemistry,' the ExoMars team concludes. 'Our discovery suggests that the martian photochemistry should be revised, considering reactions with atmospheric dust or surface outgassing.'

Department of Science

ADIEU TO MY ALMA MATER

The Academic year for the tenth grade students just zoomed away, that's when I realized that it's about the journey of the last 10 years and not just the destination of this one. It just feels like yesterday when we would race over to the pre primary dispersal to hold our teacher's hand. Ahhan! Those enjoyable pillow fights of the pyjama party organised in the school and dancing around the campfire. We thought that we grew up when we celebrated graduation day in senior kg and were promoted to Grade 1.

I recollect the tiring treks that drained us out and made us question whether we were touring the Sahara desert, but we thoroughly enjoyed all those treks and tours

I fondly remember that during the long break, how we used to relish the coffee and the hot chocolate from the vending machines and the Vadapav and Chinese bhel. I personally believe that we can get the whole of Vissanji vaccinated within an hour by adding the vaccine in canteen food. I don't think we can ever thank Anna enough for feeding us for the last ten years with no complaints.

We are grateful to every single teacher from the Pre-Primary, Primary and Secondary section for their constant love, support and guidance. On behalf of the entire batch of Grade 10, I thank each one of you.

I am going to miss the fervour and buzz of excitement that filled the air during the two weeks of sports day practice. I am going to miss that rivalry over winning the Best house Trophy during the Annual Sports Day.

Though so many things have changed through this year, some things have remained constant like –telling my classmates that I HAVEN'T STUDIED FOR TOMORROW.

Last but not the least I am proud of my entire journey in VISSANJI ACADEMY which has made me *Ready for Tomorrow*.



Tapasya Narvekar,10 C



Art by Aashrav Vartak, 5A

