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STUDENT EDITION

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WEB EDITION

PM Modi launches week-long campaign to free India of garbage



Together, we have to move forward ... preparing compost out of dirt, water recycling, getting rid of single-use plastic

NARENDRA MODI, PM

PM Narendra Modi has launched a week-long garbage-free India campaign, in the run up to the Independence Day, and asserted that the Swachh Bharat Mission has been a big support in the fight against Covid-19. Modi urged everyone, especially children, to follow the social distancing norms and wear masks to guard against the virus.

► The 'Gandagi-Mukt Bharat' drive began on Saturday, and would go on till the Independence Day to reinforce the ongoing campaign on cleanliness and sanitation ► The PM has urged the officials at the district level to construct toilets in all the villages under them and repair the existing facilities during the week

YOUR CORNER Be a part of the Gandagi-Mukt Bharat Drive and....

Share your experiences at toinie175@gmail.com or [timesnie175@gmail.com](https://www.timesnie175@gmail.com)

TABLETOP RUNWAY

X-PLAINED

WHAT

At least 18 people died and 16 were severely injured in Calicut (Kozhikode) on Friday, after a Boeing-737 overshoot a runway known as a 'table top' in the aviation industry. Tabletop runways are often constructed by excavating the peaks of the hills to create, what is known as a tabletop.

DID YOU KNOW? In May 2010, an Air India flight landing at the Mangalore airport overshoot the tabletop runway there, falling down a hillside and bursting into flames. Of the 166 people onboard, only eight survived. The inquest into the crash later blamed pilot error



HOW

Such runways have steep drops at one or both the ends, increasing the possibility of injuries and fatalities, if pilots under or overshoot their approach, either through human error or mechanical failure.

WHERE ARE THEY BUILT

They are most commonly found in mountainous areas, where flat land is scarce, or in low-lying areas, like Kozhikode, where space is at a premium, or there is a fear of water logging at the ground level.

Apart from Mangalore and Kozhikode, airports like Lengpui airport in Mizoram, Kullu and Shimla in Himachal Pradesh and Pakyong airport in Sikkim have tabletop runways

The tabletop runway at Kozhikode is around 2,700 metres-long, shorter than the 4,430 metres runway in New Delhi, though it is long enough for a narrow body aircraft like the Boeing-737 to land

WHY ARE THEY RISKY

Landing on these airports require accurate precision, with no room for errors. In other

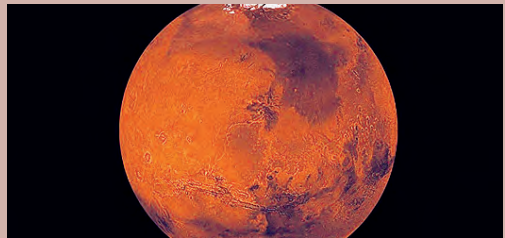
words, landing on such a runway is considered a test of a pilot's skill, as it creates an optical illusion of the runway, being at the same level as the plains below it. Pilots have to ensure that their approach isn't too high or too low. Landing on these runways is trickier at night or in rain.



NEWS IN BRIEF

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GLACIERS COULD HAVE SCULPTED MARS VALLEYS: STUDY



The question whether ancient life could have existed on Mars, centres on the water that once flowed there, but a new research suggests that many of the Red Planet's valleys were gouged by icy glaciers not rivers. The study, which comes amid a flurry of new Mars missions trying to discover if the now-barren planet ever hosted life, casts doubt on a dominant theory that the planet once had a warm, wet climate with abundant liquid water that sculpted the landscape.

The researchers examined more than 10,000 Martian valleys and compared the channels on the Earth that were carved under the glaciers

The findings suggest that some Martian valleys could have been formed some 3.8 billion years ago by meltwater beneath the ice sheets, which they said would align with the climate modelling, predicting that the planet would have been much cooler in its ancient past. The research comes after NASA launched its latest Mars rover, Perseverance, to look for signs of ancient microbial life on the Red Planet

GOOGLE UNVEILS ITS FIRST 5G PHONES, STARTING AT \$499

Alphabet Inc's Google has said that its first 5G-enabled phones, Pixel 4a (5G) and Pixel 5, will be available this September at a starting price of \$499 (₹ 37,365 approx). The company also cut the starting price for its smartphone lineup with a non-5G version of 4a priced at \$349 (₹ 26,129 approx), looking to broaden its appeal to the budget-conscious customers. Google's lower-priced devices have been the top sellers, but are far from being the major profit drivers. Higher-priced devices have gained little traction from the industry leaders, such as Samsung Electronics Co and Apple Inc, because of limited marketing and stiff competition.



UNVEILED

The 5G models will be available in the United States, Canada, UK, Ireland, France, Germany, Japan, Taiwan and Australia, Google said

► As an initial step, NASA will no longer refer to the planetary nebula, NGC 2392, the glowing remains of a sun-like star that is blowing off its outer layers at the end of its life, as the 'Eskimo Nebula'. 'Eskimo' is widely viewed as a colonial term with a racist history, imposed on the indigenous people of Arctic regions
► Similarly, the term, 'Siamese Twins Galaxy' used to refer to NGC 4567 and NGC 4568— a pair of spiral galaxies found in the Virgo Galaxy Cluster— will be renamed ► NASA said it will use only the official, International Astronomical Union designations in cases where nicknames are inappropriate

VIEWPOINT



NASA TO FIX 'HARMFUL' NICKNAMES FOR COSMIC OBJECTS

In a bid to do away with insensitive or harmful nicknames, NASA is examining its use of unofficial terminology for the cosmic objects. Most official documents have moved away from its use, NASA said.

WHY THIS MOVE

- "These nicknames and terms may have historical or culture connotations that are objectionable or unwelcoming, and NASA is strongly committed to addressing them," said Stephen Shih, associate administrator for diversity and equal opportunity, NASA. Science depends on diverse contributions and benefits everyone, so this means, we must make it inclusive, he added
- Nicknames are often more approachable and public-friendly than the official names for the cosmic objects, such as Barnard 33, whose nickname, 'the Horsehead Nebula' invokes its appearance
- But critics say often seemingly innocuous nicknames can be harmful and detract from science
- NASA said it will be working with diversity, inclusion, and equity experts in the astronomical and physical sciences to provide guidance and recommendations for other nicknames and terms for review
- The announcement came amid the Black Lives Matter movement gaining momentum worldwide

YOUR CORNER Share your views at toinie175@gmail.com

IPHONE 12 MAY COME WITH MAGNETIC ATTACHMENT WIRELESS CHARGING



► The technology is also expected to work with the reverse charging feature for iPhone 12 that would certainly allow the upcoming iPhone to compete with the likes of the Samsung Galaxy Note 20 Ultra and the Galaxy S20 series
► Apple is expected to launch four new iPhones under the iPhone 12 series, which would include two premium variants. Presently, it is not clear which model will come with this technology ► iPhone 12 Pro will come in 6.1-inch or 6.7-inch sizes, and may feature a high refresh-rate 120Hz ProMotion display, as presently seen on the iPad Pro

Apple is reportedly planning to introduce iPhone 12 with magnetic positioning that will move the phone automatically to the optimal position on the charging pad. According to a report, the magnets may not only provide a 'snap in' wireless charging system but might also be used for mounting purposes. With this feature, iPhone 12 will provide modular upgrades fitted through magnetic connection.

TECH BUZZ

BE THE CHANGE



SHAYAN AHMAD, class, VI, C, OPG WORLD SCHOOL, DWARKA, Delhi, tells us why WE SHOULD USE REUSABLE MASKS

New Guinea has the greatest variety of plants

Yes, you heard it right. New Guinea has the most diverse island plant life in the world according to researchers, who found, it had 20 per cent more flora than Madagascar or Borneo. In fact, according to Daily Mail, the researchers, who conducted a survey of 700,000 plant specimens from the southwestern Pacific island as part of a study into its ecosystem diversity, claimed that two-thirds of the species of plants found in New Guinea, are only found in that region — an area almost 20 times the size of Switzerland.



► The island has lowland jungles and high altitude grasslands, with peaks bigger than Mont Blanc in France, and among them they found 13,634 unique plant species.
► By far, the most species-rich family are the orchids; almost a third of the species listed as unique to the island were trees
► One particularly remarkable finding is that 68 per cent of the plants are endemic, and are only found in that region, which is 'unmatched in tropical Asia'

As they say, unprecedented times test your real character and our Covid warriors, who have risked their lives to keep us safe by working 24 x 7, have proved it in the last five months, becoming an inspiration for all of US. Let's join hands in showing our gratitude to the real heroes this Independence Day.

Share with Times NIE on how you plan to show your gratitude. Send in your article (50 words), video (less than 2 min), paintings, poems or any other way that can drive this campaign

THE LAST DATE OF ENTRY: **AUGUST 13, 5PM.** The top entries will be published in Times NIE!!!



FINDING HAPPINESS in these times!

Ahead of the World Emoji Day, the students of class IV of ASN International School, Mayur Vihar organised a virtual special assembly on the theme 'Emojis of Life'. With the theme 'Emojis of Life' the students talked about a variety of aspects of human life in terms of the habits, the behavior, the emotions that different people feel in different situations along with the importance of the skill of reflection and introspection. With this aim, under the mentorship of the Shivani Khanna (Headmistress), Priyanka (Academic Coordinator), and Sakshi Kabra (Teacher and Organiser of the Special Assembly), the students witnessed a plethora of activities in the assembly. The assembly started with the keynote address by Shivani Khanna in which she highlighted the importance of supporting each other in every aspect of life and spreading happiness everywhere. The student Tanu Deep presented her animated creation using emojis and talked about the safety measures which must be taken during this pandemic. The students Anvesha Sarkar, Twinjal Patel, Siddhi Anand Rastogi,

Jisha Jileesh, Tanu Deep, Diya, Shyaan, Krishna Taneja, Hardik Prakash, Rishu Raj and Parv Goyal also shared their views with the audience in conversation among them, tracing the facts from the history about the invention and evolution of the emojis with the advent of technology in this tech-savvy world. They also presented a group dance with the message to spread happiness in the world. Sakshi Kabra also presented a story show and made an attempt to highlight the need to understand that the world is a home of different people with different emotions and to appreciate everyone in every aspect of life. The assembly witnessed a remarkable end with the depiction of the emojis made by students and teachers articulating their passions and feelings and the presentation by Priyanka in which she shared the 'Emoji Mantra' sharing her seven rules of happiness. The assembly witnessed a great gathering with coordination by Kanika Anand (Teacher) during the presentation.

Triumphs and glories

Vanya Sinha of Red Roses Public School, Saket participated in a 3-week Virtual Program Stem@Home conducted by the Stem Academy of USA where children had a chance to explore their skills in STEAM



(Science, Technology, Engineering & Maths). Explaining the topic - 'How to make a Moon crater?' with marbles, flour and turmeric, her flawless and impressive video was selected as one of the best by a panel of judges.

Healthy practice for mind, body and soul

The International Yoga Day was celebrated at Adarsh World School, Dwarka. The aim is to celebrate the day to create awareness worldwide of many benefits of practising yoga. Yoga about balancing our senses, body and mind in order to live a healthy lifestyle. Each and everyone participates in yoga activities on that day. The Adarsh world school kids also performed yogic kriyas at home to promote healthy lifestyle due to widespread of COVID-19 epidemic. Yoga makes us strong physically, mentally, emotionally and socially.



Celebration of fatherhood

Father's day was celebrated with the students of Ryan International School, Noida. The love and adulation of the Ryanites for their fathers poured out through an assemblage of colourful activities. They revved up their enthusiasm and ardour through collage making, card making and recitation of self-composed poem: 'Grateful to have you as my dad'.

Students also enunciated their laudation for their mentor, the father figure of Ryan Group of Institutions, Chairman Sir Dr AF Pinto.



"Let's nurture the nature, so that we can have a better future"

Ryan International School, Faridabad, celebrated the Mother Nature's bounty, to educate the students and inculcate values of immense concern for the environment. A welcome was extended to the guests, Nirmal Mehendale, an environmentalist and Shivam Dhoundiyal, an Environmentalist and agropreneur. A Nukkad Natak was presented by class X students, highlighting the importance of conserving environment. The day marked the end of weeklong activities on the theme of conservation of environment which included



paper bag and poem composition awareness programs with purpose to dispose cheap plastic bags, jam sessions to sensitize community of healthy environment and poem recitation competition.

School principal Nisha Sharma appreciated the students for their concern for environment and encouraged them to take steps that would help sustain environment which would lead towards a better future. The programme concluded with the vote of thanks presented by M Natasha followed by the national anthem.

Eloquence and expressions

The students of Himalaya Public Sr Sec School participated in the MUN4HUMANITY-A Virtual Democratic MUN, organized by Mount Abu Public School, Rohini. Around 450 delegates across 3 continents ventured into the session. The MUN was



attended by Lok Sabha Speaker, Shri Om Birla and Member of Parliament Hans Raj Hans. Srishti Tiwari (XII) and Ayushi Agarwal (XII) from Himalaya Public Sr. Sec. School received the accolades as the, 'Best Delegate' in United Nations Human Rights Council and 'Special Mention' in World Health Organization', respectively.



Sheer negligence can turn a boon into a bane.

With increasing cases of COVID-19, there is also a huge surge in the biomedical waste. Biomedical waste if put in simple words, is nothing but the waste produced in the healthcare sector.

This waste includes PPE kits, masks, gloves, injections, needles, etc. used by the infected people or health care workers.

Using reusable cotton masks along with proper disposal of medical waste in double-layered bags, disinfecting them and then immediately incinerating such waste can resolve the issue. Even the tiniest bit of contaminated waste mixed with normal waste can lead to a surge in COVID cases.

Rules for segregation and disposal need to be followed with stringent guidelines. The key to this problem lies with us. Let us be good Samaritans and act wisely. Stay Cautious! Stay Safe!

GIA SACHDEV, X, GD Goenka Public School, Dwarka

Fractals: Geometry in Nature

Just like the crown or the pinnacle of the Peacock,
And like the snake's pearl studded on its top
So is Mathematics at the crest of all Knowledge and erudition of this Cosmos' Ball.

These wondrous fractals are a fun galore,
You'll fall in love with it, when you know it more and more!!

Be it spirals in a pine cone
Or seeds in a sunflower and anemone.
The number in this sequence forms a shape unique
Fibonacci Spiral is this amazing technique.

These wondrous fractals are a fun galore,
You'll fall in love with it, when you know it

more and more!!
Patterns of fruit skins, honeycombs to snowflakes
Hexagons we see everywhere in Nature's takes
Maths exists all around
Up in the airspace and under the ground.

These wondrous fractals are a fun galore,
You'll fall in love with it, when you know it more and more!!

These never ending patterns are extremely amicable,
As nature embrace them in trees, mountains and sea shells, lying on my table.
Geometry and Symmetry is beautifully defined,
They both relax and trick the sharp human mind.

These wondrous fractals are a fun galore,

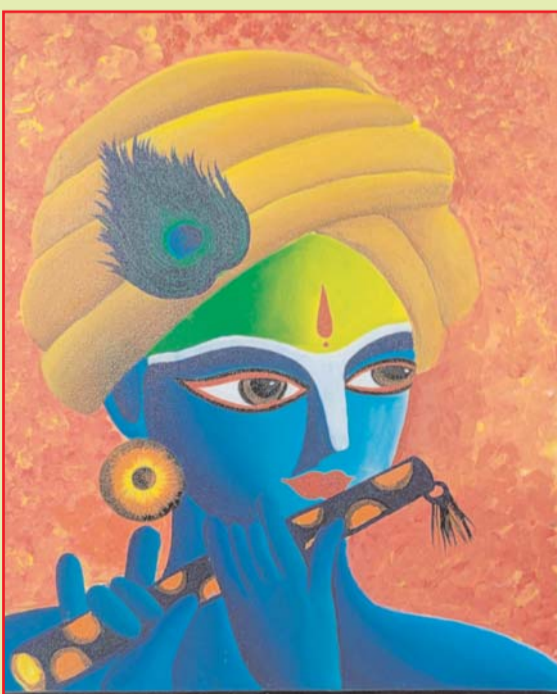
You'll fall in love with it, when you know it more and more!!

Geometrical shapes amaze us all,
Sphere is like a bouncy ball,
A Cone is like a Hill's top,
A bloated Square is nothing, but a dice you drop.

Euclid's geometry and Ramanujan's series,
Empedocle's attempts and Pythagoras, showcasing the magnitude of degrees.
This introduced in the world a beautiful dimension of Maths,
And formed the very basis of patterns and facts.

And so I believe, you all will agree;
These wondrous fractals are a fun galore,
You'll fall in love with it, when you know it more and more!!

SNIGDHA SEHGAL, X, Mount St. Mary's School, Delhi Cantt



HRIDYA GUPTA, VIII, Bhatnagar International School, Paschim Vihar

VIVAAN-AGGARWAL, V, Manav Sthali Rajinder Nagar



ARUSHI KAUSIK, X, KV Sec 8, Rohini



TWINKLE KHUREJA, X, Modern Public School, Shalimar bagh

What are friends?

Seriously, what are friends?
are they the people on whom my life depends?
are they the people who break my life's dead-end?
or are they the people who hold me from my loose ends?

what are friends?
are they the people who never let me descend?
are they the people because of whom my heartbeat extends?
or are they the people who hold me from my loose ends?
what are friends?
are they the people who are always there to defend?
are they the people who always help me to blend?
or are they the people who hold me from my loose ends?

so, these are friends,
people who never let you go down,
never let you lose your crown.

so, these are friends,
real-life legends.

DEVASAYA SINGH, XII, DAV Public School Sec-14, Faridabad