



THE TIMES OF INDIA

www.toistudent.com
[CLICK HERE: WWW.TOISTUDENT.COM](http://www.toistudent.com)

STUDENT EDITION

THURSDAY, AUGUST 13, 2020



WEB EDITION

Russia names new COVID-19 vaccine 'Sputnik V'



Russia has named its first approved Covid-19 vaccine, 'Sputnik V' for the foreign markets.

■ Sputnik V is named after the world's first satellite, Sputnik. It was launched by the Soviet Union in Oct. 4, 1957. It orbited for three weeks, before its batteries died and then silently for two more months, before it fell back into the atmosphere. It was 58 cm in diameter and a polished metal sphere with four external radio antennas to broadcast radio pulses. The name signifies the country's success in being the first to have a vaccine approved.

YOUR CORNER Is the world on the verge of a vaccine war? Share your views at toinie175@gmail.com timesnie175@gmail.com

BLANETS

WHAT

In an interesting discovery, scientists have revealed that there could be thousands of exoplanets swirling around the 'safe zone' of a black hole. Called 'blanets' (black hole planets) by the scientists, they form the grains of dust that circle the black hole.

HOW

According to scientists, the birth of blanets takes place from the dust swirling around the massive gravitational monster that clump together when they collide, which is similar to the process of formation of the traditional planets. Traditional planets come into existence, when dust eddies moving around a star bond together to form a disc.

WHERE

Researchers believe that the blanets live outside the snow-line, where the compounds can condense into ice, and are likely between 20 and 30,000 times the mass of the Earth.

According to researchers, a black hole with one million solar masses could allow a planet to orbit just 13 light years away



5 facts on black hole

1 As the name suggests, black holes are among the most mysterious objects in the universe. Nothing can escape the massive gravitational pull of a black hole, not even light.

2 In April 2019, a group of international scientists captured the first picture of a black hole. The image was constructed from the data gathered by the observatories all over the globe, which were combined to create a virtual telescope as big as the Earth.

3 According to scientists, every galaxy has a super-massive black hole — a black hole typically millions of times more massive than the sun — at their centre. In fact, the Milky Way's black hole is located in a region known as Sagittarius A*, it lies around 26 000

TEST YOUR BLACK HOLE BRILLIANCE

1. Albert Einstein came up with the term 'black hole'. True or false?

a) True b) False

2. What is the centre of a black hole called?

a) Bullseye b) Singularity
c) Sauran

Answer: 1. b) 2. b) 3. c) 4. c)

light-years away from the solar system. It's about four million times the mass of the sun, which in turn is about one million times more massive than the Earth.

4 If scientists are to be believed, black holes can keep growing because anything (gas, liquid or solid matter) that enters the event horizon gets sucked in. In

other words, theoretically, a black hole can grow indefinitely.

5 Scientists believe that our own universe might have actually been founded by a black hole, and the billions of black holes in the universe might, at their own turn, each spawn their own versions of the universe. (Source: zmesclence.com)

X-PLAINED

ENVIRONMENT

'Geothermal springs in Himalayas release large amount of Co2'

The Himalayas host hundreds of geothermal springs, and they release a huge amount of carbon dioxide in the atmosphere, according to a study. The study suggested that the CO₂ in these thermal springs are sourced from the metamorphic decarbonation of carbonate rocks present deep in the Himalayan core along with the magmatism and oxidation of the graphite. Most of the geothermal water is dominated by evaporation, followed by weathering of silicate rocks. Isotopic analyses further point towards a meteoric source for geothermal water.

■ A team of scientists carried out detailed chemical and stable isotope analysis of water samples collected from 20 geothermal springs from major fault zones of Garhwal Himalaya.

■ "It shows a significant discharge of Carbon dioxide (CO₂) rich water. The estimated carbon dioxide degassing (removal of dissolved gases from liquids, especially water or aqueous solutions) flux is nearly 7.2 ±106 mol/year to the atmosphere," the study said.

■ Carbon outflow from the Earth's interior to the exosphere through volcanic eruptions, fault zones, and geothermal systems contribute to the global carbon cycle that affects the short and long term climate of the Earth

The Himalaya hosts about 600 geothermal springs having varied temperature and chemical conditions



NEWS IN BRIEF

[CLICK HERE FOR MORE](#)

Mount Sinabung erupts, spews thick ash and smoke

Indonesia's Mount Sinabung erupted on Monday, belching a massive column of ash and smoke 5,000 metres into the air and plunging local communities into darkness with a thick layer of debris. The volcano on Sumatra island has been rumbling since 2010, and saw a deadly eruption in 2016. Activity had picked up in recent days, including a pair of smaller eruptions last weekend.



■ Sinabung had roared back to life in 2010 for the first time in 400 years. After another period of inactivity, it erupted once more in 2013, and has remained highly-active since then

Indonesia is home to about 130 active volcanoes due to its position on the "Ring of Fire", a belt of tectonic plate boundaries circling the Pacific Ocean, where frequent seismic activity occurs.



CORONA UPDATE

'Gargling with mouthwashes might lower the spread of Covid-19'

The coronavirus can be inactivated using commercially-available mouthwashes, according to a study, which says gargling with these products may reduce the quantities of viral particles in the mouth and the throat, and possibly reduce the risk of Covid-19 transmission over the short term. However, the study cautions that the mouthwashes are not suitable for treating Covid-19 infections or protecting oneself against catching the coronavirus, SARS-CoV-2.



Google launches new global Covid-19 map for journalists

Google in collaboration with Stanford University has launched a global Covid-19 map that makes it possible for the journalists to embed upto date visualisations of the pandemic on their sites for the readers. Unlike other coronavirus case maps, the 'Covid-19 Global Case Mapper' allows local reporters to embed a map of their area or even a national case map. The map shows cases in relation to the population. It's coloured by the numbers of cases per 100,000 people over the past 14 days and shows you the severity of outbreak by the number of people in each location, making it easier to compare where you live to the world as a whole.



BE THE CHANGE

SAY 'YES' TO 'REUSABLE MASKS'



PIA KALWANI, class VI, OPG World School, Dwarka, Delhi, talks about the advantages of using a reusable mask

Mahatma Gandhi's glasses to go on sale in UK

A pair of Mahatma Gandhi's glasses will go on sale after a staff at the East Bristol Auctions, the largest auction house in South West England, found them in a plain envelope with a note saying, they were Gandhi's glasses. Auctioneer Andrew Stowe said: "Someone popped them into our letterbox." Upon investigating, it was found that the circular rimmed, gold-plated glasses had been worn by the Mahatma.

The glasses are expected to raise more than \$19,600, and has been the most important find in the company's history

ON SALE

FREEMIND

FreeMind is a free mind-mapping software for creating structured diagrams. It also lets users keep track of the projects, including subtasks, state of subtasks, and time recording. With the help of this software, writers can create an essay and do brainstorming, using colours to show which essay is open, completed or not yet started, using the size of nodes to indicate the size of an essay.

SIMPLENOTE

Simple Notes is a light, clean and free note-taking app. The best essays can start from the smallest of ideas, and SimpleNote is one of the simplest ways to make sure you've got them all jotted down. Plus, all your notes are backed up and the search function means that you can find old notes whenever you want to pull them up again. SimpleNote is free with no upgrades or in-app purchases.

LIBRE OFFICE WRITER

Libre office writer is a powerful essay writing programme that lets users create, review, revise your work, whenever inspiration strikes. With the help of this software, your document looks clean and well-structured, regardless of their purposes. Financial report, master thesis, technical drawing, marketing presentation, and so on. In short, it makes your work look great, while you focus on the content.

A STATION? A MUSEUM? REVISIT MALGUDI DAYS

The South Western Railway (SWR) zone's Mysuru Division has created a museum themed on 'Malgudi Days' at one of its stations, recreating scenes and ambience from the famous television serial, an official said. "The old dilapidated station (Arasulu) building, which is a few metres away from the present station building has been restored and recreated as Museum Malgudi," the official added.



1 As part of the museum, the railway zone has created neighbourhoods, similar to the ones featured in the famous serial. One of the houses features an elephant-shaped skeleton gate with a compound wall made out of metal bars salvaged from the railway tracks

2 Likewise, another structure in the museum sports paintings of the main characters from the serial, along with the images of a peacock

and a life-sized tiger replica

3 A kitchen from the Malgudi Days has been created for the museum, including a street and neighbouring houses

4 A makeshift railway coach named as Malgudi Chai has also been arranged, including some more images of animals

5 Elements and themes from the Indian Railways have a major influence on the entire museum

■ Malgudi Days is the screen adaptation of R K Narayan's famous novel by the same name, set in the fictional town of Malgudi in South India

■ In the 1980s, Shankar Nag and John Devraj made the television serial based on Narayan's novel

FROM THE PRINCIPAL'S DESK

Integral Development

Chhalamayi Reddy,
Principal,
Sri Aurobindo
International School
Vidyanagar



The National Education Policy 2020 speaks primarily of holistic development. This is an eagerly awaited step towards shaping an all-round personality through the journey of school education. For this, along with the mind, his/her physical and emotional well-being should also be given equal importance as we want healthy and emotionally balanced citizens.

Spiritual values are the guiding forces of evolution in society. NEP's stress on teaching in the vernacular, the three-language formula, the introduction of Sanskrit, the 'Knowledge of India' and its art and culture, all contribute towards building a sound and value based society as they pave the way to the fulfilment of higher aims of life.

NEP is an endorsement of the aims, objectives and methodology of Integral Education as envisioned and practiced in our school.

A FEW EXAMPLES OF OUR SCHOOL PRACTICES IN LINE WITH NEP ARE AS BELOW:

- Play way method and activity-based learning using games and learning material (KG to class IV).
- Project method (experiential) and task based learning (classes V-VII).
- No summative exams till class VII. Instead only formative assessment.
- Four language formulas till grade 4 which includes English, Telugu, Hindi, Sanskrit.
- Wide options (8) for co-curricular activities.
- Celebrating 'Knowledge of India', through daily assembly programmes, kavi samelan in vernacular and Sanskrit languages, exhibitions and annual programmes.

Virtual fun on Janmashtami!

Delhi Public School
Nacharam

The students of classes I-II of Delhi Public School, Nacharam celebrated Krishna Janmashtami digitally with much jubilation. Teachers arranged a special assembly in their respective classes and children came beautifully dressed as Radha/Krishna/Yashoda. They sang and danced and enjoyed the story narrated by their teachers. They also happily took part in a colourful pot painting activity. The digital celebration did not deter their festive mood of teachers and children. A similar celebration was also held on the online platform by students of Delhi Public School, Nadergul.



Jubilee Hills Public School celebrated Janmashtami, a grand festival to commemorate the birth of Lord Krishna, who is believed to be the eighth incarnation of Lord Vishnu. It was a virtual celebration that illustrated the importance of the festival through a special assembly.

Students of different classes donned the roles of Lord Krishna and Gopikas. The event started with an invocation shloka followed by speeches by R Mahith of class III F in English, Oss Mahawar of class III E in Hindi. Keerthi

Yazhini of class III D and Sanskriti Reddy of class III F performed a dance on the life of Lord Krishna. Songs were sung by Shraddha of class III B in Hindi and Mokshanvita of class III A in Telugu showcasing their devotion to Lord Krishna. The programme also made everyone aware of the Indian tradition, custom and culture. It conveyed the strong message of, "Victory of good over evil" and also taught children the values of unity, courage and co-ordination. The programme concluded with a rendition of the national anthem.

Jubilee Hills Public School
Hyderabad



Niraj Public School
Ameerpet, Hyderabad

The birthday of Lord Krishna is celebrated with great devotion and enthusiasm on Janmashtami. Krishna Janmashtami, also known as Krishnashtami, is observed on the Ashvini, the eighth day of the dark half or Krishna Paksha of the month of Shravana.

Sri Krishna Janmashtami or Gokulashtami, as it is popularly known, is celebrated with grandeur across our country. Krishna is also called as 'Makhan chor' who loved to steal and eat 'Butter'.

Lord Krishna is the eighth avatar of Lord Vishnu who took birth with the sole purpose to slay the wicked demon King Kamsa and free mankind from the demon's atrocities and injustice. Students from the pre-primary wing of Niraj Public School celebrated the festival with much excitement. They portrayed the role of 'Naughty Krishnas' by dressing up in beautiful traditional attires.

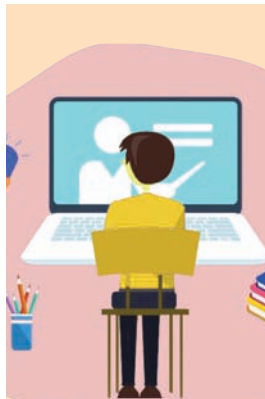
Janmashtami is a festival which commemorates the birth of Lord Krishna. The festival was celebrated with great zest on a virtual platform by the pre-primary wing of Pallavi Model School Bowenpally. Children participated in the celebration being dressed as Radha & Krishna.

The celebration started off with a fancy dress by the students of Nursery wing followed by a mesmerising dance by the students of LKG & UKG wings. Parents also participated in the dance along with the children as Yashoda.

Pallavi Model School
Bowenpally



Adapting to digital learning



St Martin's High School
Chintal



Nothing can stop you from achieving your goal if you have motivation, drive and determination. With the Covid 19 significantly disrupting the education sector, St Martin's High School, Chintal quickly switched to online classes and transformed the centuries old chalk-and-talk teaching model, to one driven by technology, to make up for lost time and ensure smooth running of academics through streaming technology.

A subject wise timetable was framed for online teaching, assignments and assessments along with a tinge of co-scholastic activities like drawing, painting, music, yoga, dance, poster-making to make learning fun and interactive for students. Students enthusiastically participated by sharing their videos and photographs doing the activities.

Online celebrations of Father's Day and International Yoga Day were held

with much jubilation. Children made beautiful cards for their fathers and expressed their feelings towards them.

Students and teachers shared photos and videos demonstrating different yoga asanas and simultaneously explained its importance.

Under the guidance of principal Sumira Goswami, teachers have been putting relentless efforts to make education accessible and interactive for students.

STUDENT COUNCIL TAKES CHARGE IN E-CEREMONY

The Global Edge School
Kukatpally

The Global Edge School, Kukatpally celebrated its Investiture Ceremony virtually to keep up the spirit of students in taking up leadership and responsibilities. The ceremony was graced by chairman Jaipal Reddy, director Swati Reddy and director-operations Ranjita Rao, academic head and principal of The Global Edge School Madhapur Anju Madan and principal of Kukatpally branch Sreevalli along with the parents.

The ceremony commenced with a prayer song. The school captain-boy, school captain-girl, discipline in-charge, assembly in-charge, cultural secretary, literary secretary, social secretary along with the sports captain and vice-captain, captains and vice-captains of four houses (Alps, Andes, Himalayas and Rockies) were formally inducted by their parents with badges and sashes at their homes. School boys captain So-

ham Mishra administered the oath on behalf of all the members to uphold the values and responsibilities towards themselves, school and peers.

The parents congratulated their wards and encouraged them to be impartial and honest in discharging their duties. Chairman Jaipal Reddy congratulated and motivated the 20 newly elected office bearers to be role models and make sincere efforts to reach their goal.

The event concluded with a vote of thanks and a rendition of the national anthem.

Learning the importance of YOGA



Pre-Primary Wing,
Gitanjali Devashray
Hyderabad

Gitanjali Devashray aims to involve every child in the best engaging and enabling activities to bring out their potential and ensure active participation.

To bring about an awareness on the many benefits of practicing Yoga, the students from pre-primary wing were made to learn a few simple exercises supported by their parents. They were introduced to simple asanas and breathing exercises to help them stay healthy and active during this pandemic. It was rewarding to see the little ones and their parents do these asanas enthusiastically. This activity also helped the young children bond more with their parents.



EXPERIENCING THE BEAUTY OF INDIA

India is a great country that has scenic places in its diverse and rich geographical terrain. It is like a beautiful picture painted with all shades and hues.

For junior wing students of Ganges Valley School, 'Our Country' was a new theme to study

Ganges Valley
Hyderabad

about. While learning about it, the little ones got the chance to showcase their artistic skills by illustrating the country's greatness. They drew beautiful pictures of the national bird and animal, the peacock and the tiger, with their handprints.

Our Success Stories

'Don't be upset by failures. Keep your chin up!'

NIE has always taken pride in the achievements of our readers. Now, it's that time of year again where we feature those students who have aced their board examinations...

STUDENT: Radhika Sarda
CLASS: X
BOARD : CBSE
SCHOOL: Delhi School of Excellence, Attapur, Hyderabad

MARKS: 97%
(485/500)



Your initial reaction upon hearing the news?

I was at once both relieved and delighted as I had reached my goal and made my loved ones proud.

What do you attribute your success to?

I would like to attribute my success to my loving parents and wonderful teachers as they were supportive of me till the very end and believed I could do whatever I set my mind to.

Your message to the students appearing for the boards next year?

All I would like to humbly advise them is to listen carefully in class, make regular notes, give the NCERT material a thorough read, be consistent with preparations and when met with failure, not to be disheartened and keep moving forward. Keep your chin up, you got this!

Your next step?

I have decided to take the PCB stream and embark on the arduous but rewarding journey of becoming a doctor, and serve my beloved country and its people.

It's a matter of great pride for Delhi School of Excellence, Attapur to have an outstanding student like Radhika Sarda, who always worked silently. She is a promising student with a sterling character. She is an avid reader and a role model for her juniors for her sedate nature. Her commitment towards any task at hand has always made her the best in academics. I, on everyone's behalf, wish her all the very best for her future prospects.

Augustine Thomas, Principal, Delhi School of Excellence, Attapur



If you would like to showcase your school's topper in NIE, send in their details to hyd.nie@gmail.com