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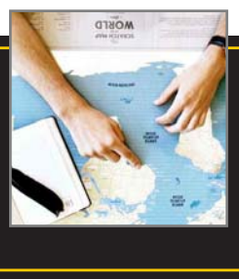
STUDENT EDITION

TIMES nie Newspaper in Education

WEDNESDAY, SEPTEMBER 1, 2021

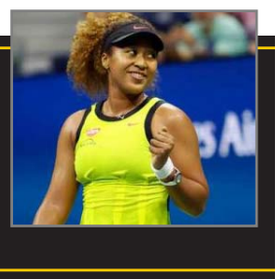
TODAY'S EDITION

➤ Ever wondered how you can map your birthday? Learn about coordinates the fun way in Concepts to Classrooms PAGE 2



➤ Does man-made 'space junk' trigger climate change and cause pollution? Students debate PAGE 3

➤ US Open: Osaka advances while Tsitsipas escapes Murray PAGE 4



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A MINUTE BEFORE DEADLINE: US TROOPS FLEE KABUL AFTER 20-YR WAR, WHILE...

Taliban stick to their guns

America's longest war ended in the dead of night in Afghanistan. The US has pulled all its troops out of Afghanistan, ending its longest war to 'cries of shame at home and celebratory gunfire from its victorious Taliban enemies in Kabul'. A giant C-17 transport laden with troops and the US ambassador flew out of Kabul airport a minute before midnight local time on August 31, the deadline set by President Joe Biden.

1 The plan to withdraw began under US president Donald Trump, who came to office in 2016, promising to end the "Forever Wars"

2 After initially increasing the troops to 16,000, with no lasting impact on the Taliban, he entered negotiations with the insurgents. However, the end came faster than Washington expected

3 They had planned an orderly evacuation, aiming to avoid the debacle of the US withdrawal from Vietnam, famously captured in a photo of scores of Vietnamese trying to climb aboard a helicopter atop the US embassy in Saigon

WHAT HAPPENS TO KABUL AIRPORT AFTER US FORCES LEAVE?

- The Taliban are in talks with governments like Qatar and Turkey to seek assistance to continue civilian flight operations from there, the only way for many people to leave Afghanistan
- Turkey, which is part of the NATO mission, has been responsible for the security at the airport for the past six years
- For the past two weeks, the US military has been securing and operating Kabul's Hamid Karzai International Airport with nearly 6,000 troops
- Keeping the airport open after foreign forces hand over control is vital not just for Afghanistan to stay connected to the world but also to maintain aid supplies and operations

WHAT ABOUT THE ARMS THE US LEAVES BEHIND IN AFGHANISTAN?

- Even as the US troops depart, they leave behind a treasure trove of military hardware gifted by successive US administrations– from George Bush to Joe Biden
- The White House, which didn't have the foggiest notion about "where every article of defence materials has gone", said that they were certain "a fair amount of it has fallen into the hands of the Taliban"
- While the US has spent $86 billion on both training and providing arms and ammunition to Afghanistan, decoding the value of the military hardware still left in the country is tricky
- The Taliban now have more Black Hawk helicopters than 85 per cent of the countries in the world

A cause of concern for India?

For India, the weapons are a cause for concern, as the Taliban are known to be sympathetic to the cause of several non-state actors, especially those based in Pakistan, and given the group's close linkages with the Pakistani spy agency ISI, the possibility of these arms finding their way into terrorist hands doesn't appear too remote now

Covid third wave could peak between Oct-Nov; intensity expected to be 1/4 of second wave

India may see a third wave of Covid-19 peaking between October and November, if a more virulent mutant than the existing ones emerge by September, but its intensity is expected to be much lower than the second wave, a scientist involved in the mathematical modelling of the pandemic said on Monday. Manindra Agrawal, an IIT-Kanpur scientist who is part of the three-member team of experts that have been tasked with predicting any surge in infections, said if no new virulent emerges, then the situation is unlikely to change.

- If the third wave peaks, the country may see only one lakh daily cases as against more than four lakh when the deadly second wave was at its peak in May. The second wave killed thousands and infected several lakh
- Vaccination has been the biggest weapon worldwide to combat coronavirus, and more than 63 crore doses have been administered in the country, according to the CoWIN dashboard

Deepika Padukone bags her 2nd Hollywood film, will produce it too

Actress Deepika Padukone is set to star in an upcoming cross-cultural romantic comedy to be developed by STXfilms, a division of Eros STX Global Corporation, the studio announced on Tuesday. Padukone will also produce the upcoming film through her banner Ka Productions. The project will be a "sweeping cross-cultural romantic comedy" revolving around Padukone's character.

Devdutt Pattanaik comes up with new book for kids, 'Shyam, Our Little Krishna'

Mythologist Devdutt Pattanaik is back with the story of Krishna in an all-in-one story, picture and colouring book. Designed in an accessible format, this book will help parents to introduce their child to stories about Krishna and also act as an ideal engagement for bedtime reading.

BOOK

- Curated with fascinating bite-sized stories, myths and trivia about the young god, the book features over 40 colourful artworks, accompanied by pages dedicated for colouring. The illustrations are by the author, and the colour rendering is done by Sasi Edavarad
- The book tells in very lucid language the story of Krishna's childhood and as he grew up, and how everybody realised that he was no ordinary boy

HOW MUCH WILL YOU PAY FOR A BIG B JPEG?

BeyondLife.club, a venture between Rhiti Entertainment and GuardianLink.io, has said that actor Amitabh Bachchan will roll out his NFT (Non-Fungible Token) collection on the platform. This platform is set to revolutionise digital storing of creative properties like art, collectible, multi-modal collages, and other forms of digital assets for gaming and trading.

- An NFT is a unit of data stored on a digital ledger, called a blockchain that certifies a digital asset to be unique and therefore, not interchangeable
- NFTs can be used to represent items such as photos, videos, audio, and other types of digital files
- It allows uploading, minting, publishing, price protection and even auctioning to create value for the owner

All aboard falcon: Ants, avocados and a robotic arm

On Sunday, SpaceX sent a shipment of ants, avocados and a robotic arm to the International Space Station on a Falcon rocket. This was the company's 23rd delivery for NASA in the last 10 years. The recycled rocket took off from the Kennedy Space Center. The Dragon capsule booster landed successfully on SpaceX's newest ocean platform called 'A Shortfall of Gravitas'.

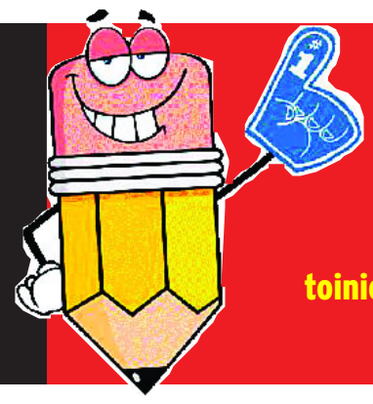
1 The shipment includes more than 4,800 pounds of supplies for the astronauts, including avocados, lemons, ice cream. The Girl Scouts are sending ants, shrimp and plants for the 7 astronauts to do experiments

2 The robotic arm, manufactured by a Japanese start-up, will be used to perform mundane chores around the Station in a one of its kind experiment. Future models of the arm will try to do repair jobs in the vacuum of space soon, and hopefully, work on building a base for humans on the Moon

"A man who carries a cat by the tail learns something he can learn in no other way."

MARK TWAIN

Beginning the journey of learning in an alphabetical order, Times NIE takes you through one concept from each subject every week



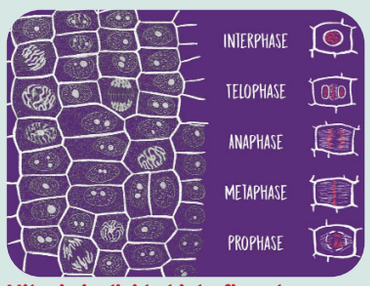
TEACHERS, IF YOU HAVE A CONCEPT THAT CAN CHANGE A CLASSROOM, SHARE IT ON toinie175@gmail.com WITH YOUR PHOTOGRAPH

CLASSROOMS TO EXPERIENCE ZONES

BIOLOGY

MITOSIS

Mitosis is a process where a single cell divides into two identical daughter cells (cell division). During mitosis one cell divides once to form two identical cells. The major purpose of mitosis is for growth and to replace worn out cells. If not corrected in time, error during mitosis can result in changes in the DNA that can potentially lead to genetic disorders.



Mitosis is divided into five phases:

1. Interphase

The DNA in the cell is copied in preparation for cell division, this results in two identical full sets of chromosomes.

2. Prophase

The chromosomes condense into X-shaped structures that can be easily seen under a microscope. Each chromosome comprises two sister chromatids, containing identical genetic information. The chromosomes pair up so that both copies of chromosome 1 are together, both copies of chromosome 2 are together. Then, the membrane around the nucleus in the cell dissolves away releasing the chromosomes.

3. Metaphase

The chromosomes line up end-to-end along the centre of the cell. The centrioles are now at opposite poles of the cell with the mitotic spindle fibres. The mitotic spindle fibres attach to each of the sister chromatids.

4. Anaphase

The sister chromatids are then pulled apart by the mitotic spindle, which pulls one chromatid to one pole and the other chromatid to the opposite pole.

5. Telophase

At each pole, a set of chromosomes gather together. A membrane forms around each set to create two new nuclei. The single cell then pinches in the middle to form two daughter cells each containing a full set of chromosomes. This process is known as cytokinesis.

Onion Root Tip Activity

WHY SHOULD YOU OBSERVE AN ONION ROOT TIP UNDER A MICROSCOPE? It is because of the meristematic cells that are situated in the tip of the roots that render the best material to study mitosis. Onion is a monocot plant. Monocotyledonous plants possess large chromosomes that are clearly visible.

LEARNING OUTCOME

WHY IS MITOSIS ALSO REFERRED TO AS THE EQUATIONAL DIVISION?

It is because the chromosome number present in the daughter cells is the same as the number of chromosomes present in the parent cell.

CIVICS

MUNICIPALITY

A municipality is usually a single administrative division having corporate status and powers of self-government or jurisdiction as granted by national and regional laws to which it is subordinate.

URBAN ADMINISTRATION: A city is much bigger than a village. A city has larger population and greater number of public facilities. All of these need to be managed properly to ensure a smooth life for the people. The civic amenities in a city are provided by the municipality.

MUNICIPALITY: Municipality is an elected body; like the Gram Panchayat or Parliament. The tenure of a municipality is for five years. In smaller towns, the municipality is called municipal council. In big cities, it is called municipal corporation, e.g. Municipal Corporation of Delhi and Brihanmumbai Municipal Corporation.

WARDS: Each municipality is divided into smaller units called wards.

WARD COUNCILLOR: People from each ward elect a councillor. He is known as ward councillor. The ward councillors then elect the Chairman from among themselves.

WHY DO WE HAVE MUNICIPALITIES?

The Twelfth Schedule of the Constitution lists the various functions of municipalities. ▮ Planning for economic and social development. ▮ Roads and bridges. ▮ Water supply for domestic, industrial and commercial purposes.

TEACHER PROMPT

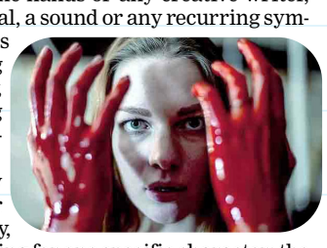
Take students on a visit to a local municipal corporation and introduce them to officials and their roles; Turn the classroom into a township game; Let some students play the role of municipality officials. Designate others to play garden keepers, waste segregation enablers. Create an emergency situation like a flood and make students do a role play of damage control.

LANGUAGE

MOTIF

By Kartik Bajoria
Jaipur-based
Communication Skills
Educator & Writer

A motif, a very interesting and powerful tool in the hands of any creative writer, is a visual, a sound or any recurring symbol that features in the writing intermittently, aiding in a big way, in developing a theme.



This may be a theme for the entire story, a categoric feeling for one specific character; the possibilities are endless and great fun to explore. There are countless examples of Motifs being used rather effectively that come to mind.

A classic motif is in the play 'Macbeth' wherein Lady Macbeth is confronted with recurrent dreams of bloodied hands, creating a very striking and stark manifestation of her murderous guilt. In more recent times, a film such as 'Pursuit of Happiness' has a struggling Will Smith's character constantly trying to solve a Rubik's Cube, to no avail – forming the perfect metaphor for his dishevelled life. At the end of the story, when he FINALLY succeeds in his efforts, he solves the famous puzzle, forming the triumphant resolution of the motif and of his character-arc.

Similarly, in a story such as that of the film 'Weather Man', a dissatisfied, disorganised, and disoriented Nicholas Cage's character goes to an Archery Range regularly, only to fail rather miserably, missing the target by woeful margins each time. At the end however, as he gets his life back on track, there is a worthy pay-off as he is able to literally and figuratively, strike bull's eye at the archery range, succeeding against the odds, victorious, jubilant.

MATHS

By Sandeep Srivastava
Educator since 20 yrs, he specialises in making Maths easy and fun

MATTER

Numbers are made of numbers, and parts of numbers are numbers. However, each number is made of unique set of numbers, called its factors; every number is, in a way, a factor of another number. Expectedly, numbers are connected to each other by factors.

WHAT ARE FACTORS?

In daily parlance, factor refers to things which affect, or are part of, something else. In math too, 'factors' refer to 'the parts of a number'. Factors of a number are 'the numbers which can be used to make that number or numbers that are a part of that number'. Factors are smaller or equal to the number. 1 is actually a factor of all the numbers!

USING MULTIPLICATION TO FIND FACTORS

2 x 10 = 20
2 and 10 are parts of 20 such that 2 parts of 10 each makes 20, vice versa
4 x 5 = 20
4 and 5 are parts of 20 such that 4 parts of 5 each makes 20, vice versa
20 x 1 = 20
1 and 20 are parts of 20 such that 20 parts of 1 each makes 20, vice versa

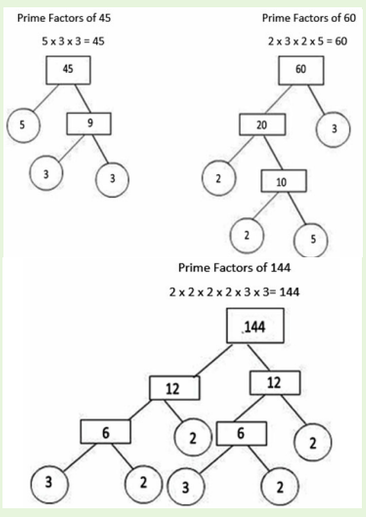
Let's see the 'parts' of 20 using multiplication: Possible parts or factors of 20 of are 1, 2, 4, 5, 10 and 20.

NUMBER CONSTRUCTION

Prime numbers make the remaining non-prime numbers. The non-prime numbers are composed of prime numbers, and are hence called 'composite' numbers.

PRIME FACTORISATION

All numbers can be expressed as products of prime numbers. Here are a few examples:
Note: The composite factors in the rectangular box and the prime factors in the circular box.



COMMON FACTORS – HIGHEST AND LOWEST AMONG THEM

Prime factorisation is used for finding common factors of a set of numbers (12, 18, and 48). 6 is the highest common factor in 18, 30, and 48. The lowest common factor (LCF) among any set of numbers is 1.?

WHAT IS THE IMPORTANCE OF COMMON FACTORS?

The common factors of a set of numbers partition/divide the set, without leaving remainder.

30 = 2 x 3 x 5
100 = 2 x 2 x 5 x 5
500 = 2 x 2 x 5 x 5 x 5
The biggest common factor is '2 x 5' (2 and 5 are the common factors)

FINDING THE HCF?

HCF of a given set of numbers is the biggest common factor among all the common factors. For finding HCF prime, factorisation of the set of numbers and find longest chain of common factor:

IMPORTANCE OF HCF

The largest common unit of partitioning of a given set of quantities (numbers) is HCF. The set of numbers of which a number is a factor called multiple of the factor and make the multiplication table of the factor. There are infinite factors.

UNDERSTANDING MULTIPLES

Multiples are part of multiplication tables of a number. Multiples of a number are bigger than, or equal to, the number.

FINDING COMMON MULTIPLES OF NUMBERS

Write the multiples of the set of numbers and find the first common ones. 24 is the LCM of 6 and 8 because 24 is the smallest number divisible by both 6 and 8.

FIND THE LCM OF GIVEN SET OF NUMBERS

6 = 2' x 3'
10 = 2' x 5'
15 = 3¹ x 5¹
Thus, the LCM of 6, 10 and 15 is 2' x 3' x 5' = 30

Prime factorise (for 6, 10, and 15) of each number in the set. multiply the highest degree of all prime factors of each number to find the LCM

RELATIONSHIP BETWEEN HCF AND LCM (OF A GIVEN SET OF NUMBERS

As factors and multiples are closely related, HCF and LCM have a definite relationship.

HCF x LCM = Number 1 x Number 2

ROOTS OF NUMBERS – A SPECIAL KIND OF FACTORS

Roots are special kind of factors of numbers. It is that part (factor) of numbers that can 'grow the number' by itself. A root of a number is such a number which when multiplied by itself gives us the number. Recall, all factors of a number can generate the number but it's not straight forwards; for example, 2 and 5 are roots of 10, but the ways of getting 10 from 2 and 5 are not the same; e.g., Obviously, 2 is not the same kind of root of 4 and 8, and 5 is not the same kind of root of 25, 125, and 625.

2 is a root of 4 as 2 x 2 = 4	$2^2 = 4$, thus, 2 is a square root of 4
2 is a root of 8 as 2 x 2 x 2 = 8	$2^3 = 8$, thus, 3 is cube root of 8
5 is a root of 125 as 5 x 5 = 25	$5^2 = 25$, thus, 5 is square root of 25
5 is a root of 125 as 5 x 5 x 5 = 125	$5^3 = 125$, thus, 5 is a cube root of 125
625 as 5 x 5 x 5 x 5 = 125	$5^4 = 625$, thus, 5 is the fourth root of 625

WHY FIND ROOT OF NUMBERS?

These have special significance, for example, the length of side of a square is the square root of its area. We have square root for compound numbers such as matrices.

If matrix B = matrix A x matrix A
Then matrix A is the square root of matrix B

A UNIQUE PROPERTY OF ROOTS

Square roots of a positive integer are positive as well as negative, but cube roots are of the same kind: negative root for negative integers. The first root of a number is the number itself.

GEOGRAPHY

MAPPING

A map is a symbolic representation of selected characteristics of a place, usually drawn on a flat surface. Maps present information about the world in a simple, visual way. They teach about the world by showing sizes and shapes of countries, locations of features, and distances between places.

ACTIVITIES ON HOW TO READ MAPS

Mark Latitude and Longitude

Whenever you read a magazine or newspaper article, find the latitude and longitude of the location in which the focus of the article takes place. On a world map, mark the locations. See how long it takes until you have marks in most countries.

Learn From Maps

Find examples of maps when you are in a shopping mall, amusement park, train station or another place. Critique whether or not the map is easy to use. Then make your own map of the area.

Make a Map

Look at an article in a newspaper, magazine, or online. How might information in the article be represented on a map? Create a map showing that information.

Neighbourhood Map

Create a map of your neighbourhood without key map elements, like a compass rose, labels, and a key. Then, have a family member or friend try to use the map to reach a particular destination. Talk about the ways in which the map was difficult to use.

Find Your Birthday Coordinates

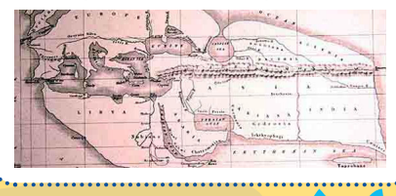
Use the month for latitude and day for longitude. For example, if your birthday is November 26, your coordinates could be 11°N, 26°E. Or, you can make four sets of coordinates for your birthday, depending on whether you use north or south latitude, or east or west longitude. Print a world map and plot your birthday coordinates. What would it be like to have a party there?

Source: National Geographic

DID YOU KNOW?

Who created the FIRST MAP OF THE WORLD?

The Greeks are credited with putting map making on a sound mathematical footing. The earliest Greek known to have made a map of the world was Anaximander. In 6th century BC, he drew a map of the then known world, assuming that the earth was cylindrical.



CLICK HERE: FOR PAGE 3 AND 4

Little Krishnas & Radhas enthrall

Venkatakrishna Kammari, Vice-Principal, Delhi World School

Shadnagar

Janmashtami was celebrated with great devotion and enthusiasm at Delhi World School, Shadnagar. According to the Hindu calendar, this religious festival is celebrated on the Ashtami of Krishna Paksh. Sri Krishna, born in Mathura, is considered as one of the most powerful human incarnations of Lord Vishnu.

The sole objective of Sri Krishna's birth was to free the Earth from the demons. He played an important role in the Mahabharata and propagated the theory of bhakti and good karma which are narrated in the Bhagavad Gita. Sri Krishna was born in a prison in the custody of Kansa. Vasudev, his father, immediately thought of his friend Nanda and decided to hand over his child to him to save Krishna from the clutches of Kansa. Krishna grew up in Gokul and finally killed his uncle, King Kansa.

DDMS P Obul Reddy Public School

Hyderabad

One of the most popular festivals that is widely celebrated across the country is Krishna Janmashtami. It marks the birth of Sri Krishna and he is mostly worshipped in his mischievous child avatar.

The students from Lower Kindergarten and Upper kindergarten, donned Krishna and Radha attires and frolicked around with flutes, peacock feathers and matkas. The programme commenced with slokas followed by songs and colourful dance performances by students. The celebration was informative as well as entertaining.

Pallavi Aware International School

Saroornagar

Krishna Janmashtami is a festival that celebrates the birth of Lord Krishna. Students of Pallavi Aware International School organised a programme on the occasion which commenced with a prayer song invoking the blessings of Lord Krishna.

Students were dressed as different characters from the epic of Lord Krishna. Various legends and stories were then shared with the audience through songs. A dance was performed by the students of primary classes in praise of Krishna. The students enacted a skit portraying Krishna's childhood stories. This was followed by many more dance performances and singing concerts making the event a fun-filled gathering to all.

REWIND: TUNE IN TO RADIO

'TV gives everyone an image, but radio gives birth to a million images in a million brains'

Ganges Valley School

Hyderabad

Students of class X-B put together an informative assembly on radio broadcasting. Radio remains the most dynamic and engaging medium, offering a variety of ways to interact and participate. This powerful communication medium can reach the widest audience, including remote communities. Isn't it unfortunate that we have stopped listening to the radio?

The students performed a skit to draw the spotlight back on radio. Have you ever wondered how a radio works? Or know the most memorable radio broadcaster, Melville de Mellow? The RJs of X-B broadened the listeners' horizons on radio broadcasting.

ON THIS INDEPENDENCE DAY

On this Independence Day, We remember the saviours in the past
The ones who fought the British, To make our independence last

We got our Independence with justice and liberty
So, let's celebrate it with joy and honesty
Cruelty, brutality and mass murder
They gave us more than mental disorder
The Jallianwala Bagh massacre, thousands of people were killed
By the orders of General Dyer,
On this Independence Day, We remember those sacrifices,
The leaders who had raised their voices

Our predecessors fought a huge struggle for independence
And gave freedom for their descendants

On this Independence Day, We remember the victory weapon
The two brothers, Ahimsa and Satyagraha
Which were introduced by the Mahatma
This was the struggle for Independence
A free nation for every descendant

VIJAYA KUMAR ARJUN, class X D, Bharatiya Vidya Bhavans Public School, Jubilee Hills

A RAY OF HOPE AMIDST ADVERSITY

Let us open the books and breathe their newness,
Let us again recite poems together with wittiness,
Let us again fill the corridors with promising footsteps,
Let us again share our dreams with friends and achieve them in steps,
Let us again walk in the alleys and enjoy the hustle of the leaves,
Let us again adore nature's beauty, freshness, fragrance and breeze,
Let us again stride, leap and lure towards our destinations,
Let us achieve our goals and succeed in shaping the reality out of our imaginations.
Now that a drop of rain fell on the dry land and has awoken our temperament,
Let us hope for spring to arrive with many hues of love, care and contentment.

AAISHA IMRAN, Science HoD, Springfields School, Tolichowki

BHUTAN'S BREATHTAKING BEAUTY

Travelling connects us with our soul and we find peace and solace. It is an activity that makes us realize the euphoria we miss out in our daily entanglements.

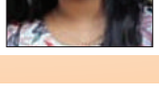
Taking a trip and spending some quality time in the lap of nature is the most therapeutic thing one can do. My recent trip to Bhutan was one such experience.

The aesthetic blues of the sky mingled with the contrasting heights of the mountains, took us on a journey through the most pleasurable moments of life.

Bhutan is a small country with vivid greenery in abstract patterns all over. Climbing the hilly roads, when the mist and fog play with the windshields of our car, brought an unnamed charm to our hearts.

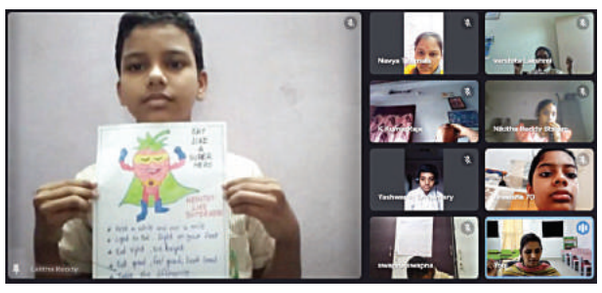
The markets with varying products and the huddle of people are such a joy to view. From peachy mornings to grey shadowy nights, Bhutan has a lot to offer.

The monasteries relax our minds and hearts while the narrow roads that mirror the mountains are a sight for sore eyes. The beauty of the nurseries, the coldness of the roads and glimpse of the sunrise over the horizon bring new hope to the lives of the local people are such a delight. Conversing with the local people, whose smiles are bright, will turn anyone's dull day into a happy one. Tasting the food prepared by the locals with a breathtaking view around us was pure contentment. In short, Bhutan was one such trip that always brings a smile to our face when we reminisce about it.



ANUSHKA CHAKRABORTY, class X C, Gitanjali Senior School

Healthy students are better learners



Delhi World School

Chintal

Delhi World School initiated nutrition education to promote good health and balanced diet. Nutrition plays a vital role in the physical and mental health of the students.

The initiative called "Healthy students are better learners" was incorporated in the school through various activities such as Diet Chart, A to Z nutrition, colourful snacks, Eat like a Superhero, My diet chart and My plate posture chart. The main objective of this virtual event is to enhance the nutritional practice and to create awareness among the children of DWS. The student's daily diet must include fruits or nutritious veggies which leads to health and happiness.

SPACE TOURISM TRIGGERS POLLUTION, CLIMATE CHANGE

FOR

Yes, space tourism triggers pollution, climate change. Each rocket releases 600 tonnes of black carbon into the stratosphere. Space tourism accelerates global warming which has a huge impact on the climate. Change in climate poses new challenges for life on the Earth. Melting of glaciers due to global warming results in intense floods and droughts at the same time. Pollution caused by the release of carbon increases the risk of numerous diseases. Therefore, we can conclude that space tourism triggers pollution, climate change.

R SREE LASYA, class VIII, Sister Nivedita School, Ameerpet

AGAINST

New technology can dramatically reduce carbon output involved in sending rockets to space and that is the challenge space scientists have set for themselves.

We cannot ignore an opportunity like space tourism. It is similar to airlines, a necessity for travelling to different parts of the world and it too has some negative factors but can we put a stop to it? We must take measures to reduce the carbon emissions by setting up solar panels or non-pollutant fuels.

It would be a wonderful opportunity to explore space on real experience rather than sitting at home and looking at pictures and videos of what space looks like. It's a pathway to enter a new era.

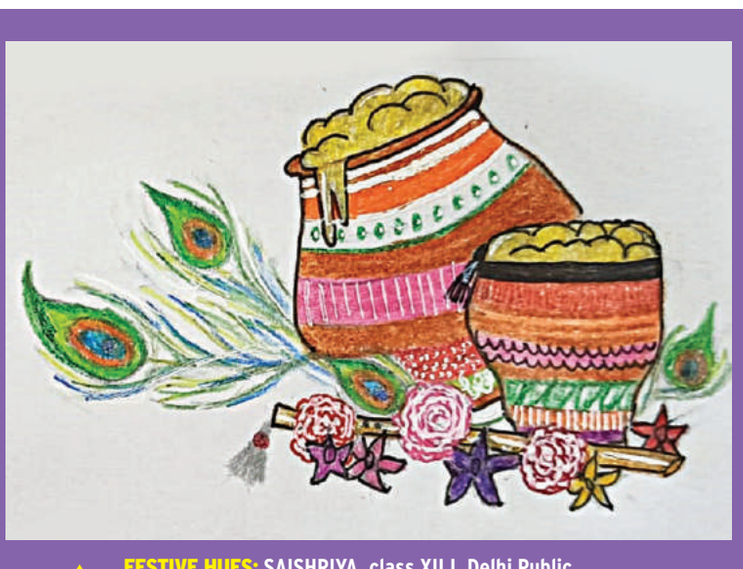
ANEETA SARA GEORGE, class XII, Carmel CBSE School, Peyad, Thiruvananthapuram

Painters' Gallery

SYMMETRY: PALAK BHARADWAJ, class X C, Pallavi Model School Boduppal

EQUALITY: MADADI AKSHAYA REDDY, class VII B, P Obul Reddy Public School

NAND LAL: SATWIK PADHI, class VIII, Bhavan's Sri Ramakrishna Vidyalaya, Sainikpuri



FESTIVE HUES: SAISHRIYA, class XII I, Delhi Public School, Nacharam

"The only person who can stop you from reaching your goals is you."
Jackie Joyner-Kersee, American athlete

OSAKA ADVANCES, TSITSIPAS ESCAPES MURRAY

US Open defending champ looks set to win slam after fighting mental health issues

Defending champion Naomi Osaka stretched her Grand Slam win streak to 16 matches on Monday at the US Open while Greek third seed Stefanos Tsitsipas struggled past Andy Murray in five sets.

Osaka, seeking her third US Open crown in four years, defeated 87th-ranked Czech Marie Bouzkova 6-4, 6-1 at a packed Arthur Ashe Stadium to book a second-round matchup with Serbian qualifier Olga Danilovic. "It feels kind of crazy to play in front of everyone again," Osaka said. "I feel really comfortable here. I'm just glad I won."

Second win over Czech

- Osaka beat Bouzkova in their only prior meeting in the first round of this year's Australian Open on the way to her fourth Grand Slam title. The 23-year-old Japanese star could become the first back-to-back US Open women's champion since Serena Williams _ out this year with a torn hamstring _ won her third in a row in 2014. Osaka's major win streak includes her most recent US and Australian Open wins and a first-round win at this year's French Open before withdrawing over mental health issues.
- Osaka broke Bouzkova in the 10th game of the first set when the Czech netted a backhand, then broke for a 2-0 lead in the second set on the way to victory in 93 minutes.
- Osaka, who lit the cauldron at the Tokyo Olympics, gave an Olympic pin to a young girl in the same venue where she won last year's title when fans were banned due to Covid-19. "It felt quite lonely for me," she said. "So I'm quite glad to see little kids in the audience and grown-ups too. The energy here is unmatched."

HAPPY TO SEE SPECTATORS

Spectators had to show proof of vaccination to attend but they brought energy back to Ashe. "Playing without fans here was brutal," 2017 US Open winner Sloane Stephens said. "Having these fans out and the energy, the atmosphere, it brings a lot back to tennis."

Two-time Grand Slam champion Simona Halep and Stephens each won to reach the second round. "You feel the energy. You feel alive on court," Halep said. "Hopefully it will stay like that forever."

Russian second seed Daniil Medvedev defeated Frenchman Richard Gasquet 6-4, 6-3, 6-1 for his 200th career match win and 160th win on hardcourts.

Women's second seed Aryna Sabalenka of Belarus outlasted Serbia's Nina Stojanovic 6-4, 6-7 (4/7), 6-0 while Russian men's fifth seed Andrey Rublev ousted 221st-ranked Ivo Karlovic 6-3, 7-6 (7/3), 6-3.

Stefanos frustrates Murray

- Tsitsipas outlasted Britain's Murray, a three-time Grand Slam champion, by 2-6, 7-6 (9/7), 3-6, 6-3, 6-4 after four hours and 49 minutes in surroundings more like an intense second-week showdown than a curtain-raiser for the fortnight. "To have an electric atmosphere out here is something we've been waiting for," Tsitsipas said.
- Two-time Olympic champion Murray, ranked 112th lost for the first time in 15 first-round US Open matches. "It didn't come easy," Tsitsipas said.
- Tsitsipas, this year's French Open runner-up, took a long break before the final set, frustrating Murray, who surrendered a break in the opening game. Delay tactics brought a frosty reception at the net after the match. "I have zero time for that stuff at all and I lost respect for him," Murray said. "It's nonsense. And he knows it, as well."
- Tsitsipas, who plays Frenchman Adrian Mannarino next, said he followed ATP rules on breaks and medical timeouts, even as Murray questioned the length and timing. "I'm playing by the rules and sticking to what the ATP says is fair," said Tsitsipas. "Then the rest is fine."
- In the second-set tie-breaker, Murray slipped at the net and fell because his sweat-soaked shoes were wet and he didn't have another pair. Murray missed out on two set points and the 23-year-old Greek star grabbed the set and levelled.
- "The shoes got so wet that at the end of the set, I was slipping basically and was losing balance," Murray said. "That was my bad. It was an important moment in the match." Tsitsipas took the last two sets to advance. AP

Naomi Osaka, of Japan, returns a shot to Marie Bouzkova

Photo: AP

SINGHRAJ CLAIMS BRONZE IN MEN'S AIR PISTOL

Debutant's medal the second for India in shooting

Indian shooter Singhraj Adana clinched a bronze medal in the P1 - Men's 10m Air Pistol SH1 final at Asaka Shooting Range on Tuesday. The 39-year-old, who is afflicted with polio and was making his Games debut, shot a total of 216.8 to finish the event in the third place after qualifying for the eight-man final as the sixth best shooter

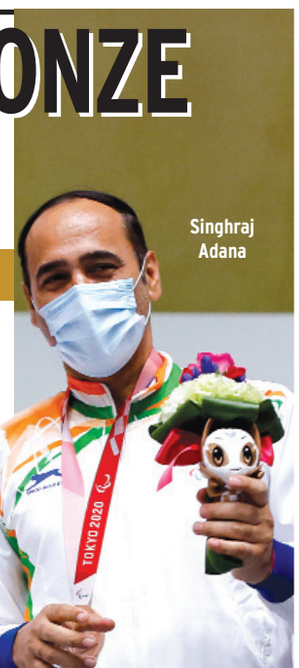
This is Indian's shooting contingent second medal at the Tokyo Paralympics after the 19-year-old Avani Lekhara became the first woman from the country to win a gold medal on Monday. China's Chao Yang created a Paralympic record with 237.9 points to win silver while another Chinese Xing Huang grabbed silver with 237.5 points.

Singhraj Adana, who took to the sport just four years ago, started the better of the two Indians in the final as he was placed in the top 3 during the first 10 shots while amassing 99.6 points. Manish who topped the qualification, had a very jittery start to the final as he gathered 97.2 in the 1st competition stage. In the second stage, he became the second competitor to be eliminated.

Shooter holds his nerves

Adana meanwhile held his nerves better in the elimination round to see off a scare from the Chinese. Taking his 19th shot Singhraj was dropped out of the medal position after he aimed 9.1 and with the 20th shot of 9.6, he got into the top three as Lou shot a very poor 8.6. In his last two shots, the Indian aimed at 10.0 and 10.0 but it was just not good enough to topple down the top Chinese pair.

Earlier in the day, Manish and Singhraj qualified for the medal round in the Men's 10m Air Pistol SH1, here at the Asaka Shooting Range on Tuesday. Manish Narwal amassed 575 -21x points at an average of 9.583 after shooting 60 shots on the target. He finished in the first position in the qualifying round just edging China's Xiaolong Lou on the number of X's(575 -15x). Meanwhile, Singhraj Adana gathered 569 -18x to finish 6th in the qualifications. AGENCIES



Singhraj Adana

Photos: GETTY IMAGES

AFGHAN PARALYMPIAN SPARKS 'JOY' WITH TOKYO DEBUT

Sends out very strong message of hope to the entire world

When Afghan Paralympian Hossain Rasouli stepped onto the Tokyo track on Tuesday morning after escaping Taliban-held Kabul, fellow long jumper Roderick Townsend didn't feel rivalry but "joy".

Rasouli had arrived in Tokyo last Saturday, too late to compete in his favoured T47 100m event, after catching a top-secret flight from Paris one week after being evacuated from Kabul. So instead he entered the long jump final, finishing last but symbolising for Townsend "so much about the Paralympic Games and what it means and what it stands for".

"With everything going on right now, I couldn't help but feel joy for him," said Townsend, who took silver in the event with a jump of 7.43m. "We get so caught up in our personal lives, and I'm here complaining about a silver medal and we have somebody making their way across the world to be able to do something that we all love to do."

Rasouli arrived in Tokyo with Afghan team-mate Zakia Khudadadi on Saturday, after leaving their Taliban-controlled homeland a week earlier in what Games chiefs called a "major global operation". The pair spent a week in Paris at a French sports ministry training centre after their evacuation from Kabul.

At the Paralympics opening ceremony, the Afghan flag featured in symbolic fashion, carried by a Japanese volunteer, and officials initially ruled out the possibility of the athletes coming to Tokyo. But Rasouli, whose left hand was amputated after a mine explosion, finally made the belated first appearance.

Taking a noticeably shorter run-up than the other athletes, he recorded jumps of 4.37, 4.21 and 4.46, far from medal contention and more than a metre less than his nearest rival.

International Paralympic Committee spokesman Craig Spence said the two athletes had made an "extremely emotional" arrival at the Paralympic Village, and were "sending out a very strong message of hope" to the world.

American long jumper Dallas Wise said it was like 'Oh my God, that's the guy who almost couldn't be here'," said Wise. "I know he's going through a lot of things right now, and I hope he gets through everything." AFP

QUIZ TIME!

Q1. Who won the gold medal in table tennis men's singles at the 2020 Summer Olympics?
a. Zhang Jike
b. Ma Long
c. Jun Mizutani
d. Timo Boll

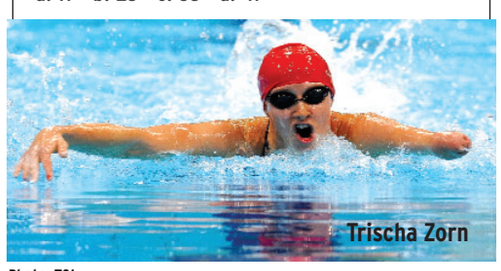
Q2. Who is the first male player in the history of table tennis to achieve a career Grand Slam?
a. Liu Guoliang
b. Jan-Ove Waldner
c. Kong Linghui
d. Zhang Jike

Q3. Which professional boxer is nicknamed the "Hurricane Hank"?
a. George Foreman
b. Jack Jackson
c. Henry Armstrong
d. Jack Dempsey

Q4. Who won the gold medal in golf women's individual at the 2018 Asian Games?
a. Bianca Pagdanganan
b. Liu Wenbo
c. Du Mohan
d. Yuka Saso

Q5. Who holds the record for the longest continuous period as world number-one-ranked men's recurve archer?
a. Brady Ellison
b. Jake Kaminski
c. Mauro Nespoli
d. Marco Galiazzo

Q6. The American swimmer Trischa Zorn is the most decorated Paralympian of all time. How many gold medals in all did she win at the Games?
a. 17 b. 25 c. 35 d. 41



Trischa Zorn

Photo: TOI

Q7. Which jersey number did Zidane wear at Real Madrid?
a. 5 b. 7 c. 10 d. 23

Q8. Identify the Volleyball attack technique. "The player does not hit the ball hard, reducing its speed and thus confusing the opponent's defence."?
a. Backcourt
b. Line and Cross-court shot
c. Block-abuse
d. Off-speed hit

Q9. What does the Olympic Flame symbolize?
a. Zeal to play sports
b. Challenge
c. Continuity
d. Integrity

Q10. Which club has lost their last 12 games in the Premier League?
a. Watford
b. Norwich
c. Newcastle
d. Burnley

Q11. Who won the Belgium GP without racing a single lap?
a. Valtteri Bottas
b. Sebastian Vettel
c. Max Verstappen
d. Lewis Hamilton

ANSWERS: 1. b. Ma Long 2. b. Jan-Ove Waldner 3. c. Henry Armstrong 4. d. Yuka Saso 5. a. Brady Ellison 6. d. 41 7. a. 5 8. d. Off-speed hit 9. c. Continuity 10. b. Norwich 11. c. Max Verstappe