



THE TIMES OF INDIA

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**TODAY'S
EDITION**

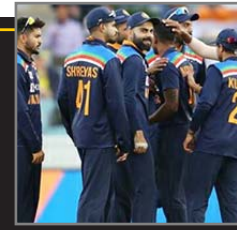
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STUDENT EDITION
WEDNESDAY, OCTOBER 20, 2021


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CBSE releases date sheet for X, XII term-1 exams



The first term Board exams for class X will begin from **November 30**, while the exams for **class XII** is scheduled from **December 1**, the Central Board of Secondary Education (CBSE) announced on Monday. The exams for minor subjects for classes X and XII will begin from November 17 and November 16, respectively.

Bifurcating the academic session, holding two term-end exams and rationalising the syllabus were part of the special assessment scheme for class X and XII CBSE Board exams for 2021-22, which were announced in July in view of the Covid-19 pandemic. The CBSE had last week said that the first-term Board examinations for classes X and XII will be conducted offline in November-December.

■ The CBSE is offering 114 subjects in class XII and 75 subjects in class X. Out of these, 19 are major subjects in class XII and nine in class X.

■ For class X, the first exam for major subjects is scheduled on November 30 (social science) followed by science on December 2, home science on December 3, mathematics standard and mathematics basic on December 4, computer application on December 8, Hindi courses A and B on December 9 and English on December 11.

Fly more, pollute less

The great aviation conundrum

The aviation sector is facing a great dilemma: How can it fulfil its ambition of doubling passenger numbers while meeting its goal of reducing its massive greenhouse gas emissions? Slashing pollution from the industry is among the major challenges facing the world, as leaders meet later this month for a key climate summit in Britain.

HOW BAD IS IT

- Airlines transported 4.5 billion passengers in 2019, belching out in the process 900 million tons of CO₂, equivalent to two per cent of total global emissions
- Passenger numbers are projected to double by 2050, meaning a parallel doubling of CO₂ if no action is taken



WHAT ARE THE PLEDGES?

- 1** The International Air Transport Association (IATA) committed itself earlier this month to zero net emissions of CO₂ by 2050, after having previously targeted a cut of just 50 per cent
- 2** A group representing European airlines, airports and aerospace companies has made a similar commitment

THE PLAN OF ACTION

- The IATA hopes to accomplish two-thirds of its emissions reductions by using SAFs – non-conventional fuels derived from organic products including cooking oil and algae
- SAFs, which is four times more expensive than kerosene, accounted for less than 0.1 per cent of the fuel used in aviation in 2019
- The aviation sector is also betting on synthetic fuels, or e-fuels, made with hydrogen produced from renewable sources of energy and with CO₂ captured from the atmosphere
- E-fuels are supposed to be the main type of SAF in the future

Apple launches M1 Pro, M1 Max chips

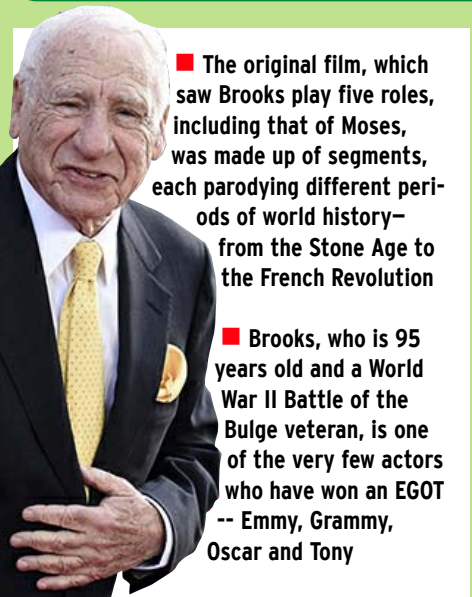


Apple has unveiled its two latest computer-focused ARM-based Systems-On-a-Chip (SOCs), the M1 Pro and M1 Max. According to the firm, the GPU in M1 Pro is up to 2x faster than M1, while M1 Max is up to an astonishing 4x faster than M1, allowing pro users to fly through the most demanding graphics workflows.

- 1** The M1 Pro and M1 Max introduce a system-on-a-chip (SoC) architecture to pro systems for the first time.
- 2** The M1 Pro has an up-to-16-core GPU that is up to 2x faster than M1 and up to 7x faster than the integrated graphics on the latest 8-core PC laptop chip.
- 3** It offers up to 200GB/s of memory bandwidth with support for up to 32GB of unified memory.

Mel Brooks' classic, 'History of the World, Part I', to get a sequel

The Mel Brooks comedy classic, 'History of the World, Part I', which was released in 1981 to mixed reviews, will have a sequel in the form of an eight-part series titled 'History of the World, Part II', to be streamed on the OTT platform Hulu in the Spring of 2022, reports 'Variety'.

BOOK


■ The original film, which saw Brooks play five roles, including that of Moses, was made up of segments, each parodying different periods of world history—from the Stone Age to the French Revolution

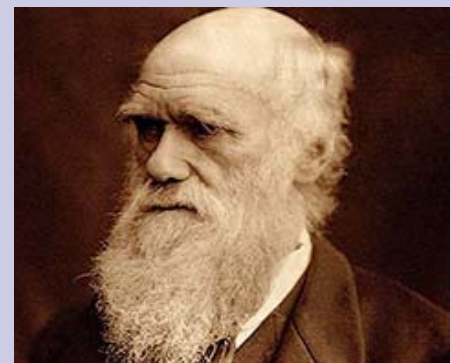
■ Brooks, who is 95 years old and a World War II Battle of the Bulge veteran, is one of the very few actors who have won an EGOT -- Emmy, Grammy, Oscar and Tony

FACTOID

£350,000



Price of a microscope owned by Charles Darwin that is likely to fetch at an auction in December. The scientific instrument – originally gifted to Charles' son, Leonard – was designed by the English microscope maker Charles Gould for the firm Cary in 1825. It



The instrument comes in, and is assembled upon, a mahogany box, and was passed from Leonard Darwin to his great-nephew, Edward Leonard Darwin

is one of the six known surviving microscopes associated with the British naturalist, who is best known for his contributions to our understanding of evolution. At the time when the microscope was manufactured, Darwin was studying 'zoophytes' such as corals, sea anemone and sponges from the Firth of Forth. It is likely that Darwin used this instrument in these studies, as the only other microscope he is known to have owned at that time, would have been ill-suited to the task.

FACEBOOK TESTING NEW FEATURE TO FEED POSTS TO INSTAGRAM

Social media giant Facebook is testing a feature that would allow users on its platform to cross-post their posts, including photos or videos over to their Instagram. The company noted the option is currently a global test that's only available to a

small group of people who already have their Facebook profiles linked to a personal, creator or business account on Instagram, reports TechCrunch. Facebook already allows users to cross-post their Instagram Stories and Reels to Facebook.


TECHAWAY

Facebook post to the connected Instagram account, as well

3 As per the report, users will be able to cross-post to Instagram single photos, single videos or multi photo albums up to 10 photos.

4 Currently, other formats, like GIFs, polls, photos albums with more than 10 photos are not eligible for cross-posting at present



1 When available, one would see the feature in Facebook's compose box where one can create posts. The new toggle would appear besides those for editing the audience for the post and creating a new album

2 When tapped, the user would be taken to a new screen where one can choose to share the individual

Pokemon Unite, most-downloaded mobile game for Sep


GAMING ZONE

Pokemon Unite from The Pokemon Company, in collaboration with Tencent, emerged as the most-downloaded mobile game worldwide for September 2021 with approximately 33 million installs. The global mobile games market generated 4.2 billion downloads across the App Store and Google Play in September 2021, marking a decline of 4.3 per cent year-over-year.

Destiny Run from Voodoo was the second most-installed mobile game worldwide last month with 26.8 million installs. It was followed by Garena Free Fire from Garena



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



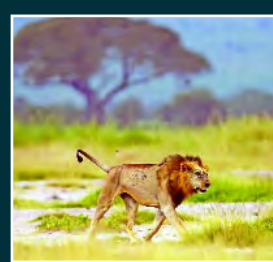
TEACHERS, IF YOU HAVE A CONCEPT THAT CAN CHANGE A CLASSROOM, SHARE IT ON toinie175@gmail.com WITH YOUR PHOTOGRAPH

CLASSROOMS TO EXPERIENCE ZONES

BIOLOGY

TEMPERATE GRASSLAND

Grasslands are defined as places where grasses are dominating the trees and shrubs. Two major kinds of grasslands in the world are Savannas and Temperate grasslands. Temperate grasslands are characterised by the predominant vegetation i.e. grasses. They generally have no trees.



FEATURES OF TEMPERATE GRASSLAND

Different types of grasslands have some similar characteristics. Savannas have scattered trees and exist in certain parts of Africa, South America, Australia, and Asia. Steppes have shorter grasses whereas prairies have taller grasses due to higher precipitation. Both types of temperate grasslands exist throughout North America and Europe.

PLANTS AND ANIMALS FOUND

Grasses make up the grassland biome. But, still, there are many species of flowers that grow there. Seasonal drought, wildfires in the grass prevents the growth of large trees and shrubs. But willows, oaks, and cottonwoods grow where water is available. Animals such as prairie dogs, wild horses, bison, jackrabbits, wolves, and deer live in the American prairies. The African veldt is having a varied group including gazelles, zebra, and rhinoceroses. Steppe fauna also includes rabbits, mice, antelope, badgers, foxes, and many others.



ACTIVITY: MARK ON A MAP

- PRAIRIES:** Grasslands that cover around 1.4 million square miles of the central US, besides Canada and Mexico.
- STEPPES:** These are grasslands that cover southern Russia all the way to the Ukraine and Mongolia. The steppes stretch over 4,000 miles of Asia including the Silk Road from China to Europe.
- PAMPAS:** Found in South America, they cover around 300,000 sq miles between the Andes and the Atlantic Ocean.

Teacher Prompt: Discuss in Class

- 25% of the Earth's surface comprises the grassland biome
- Grassland biomes are mainly between a forest and a desert
- Fires on grasslands can spread as fast as 600 feet per minute
- Forbs are the leafy and soft-stemmed plants that grow in the grasslands that aren't grasses

DIORAMAS ARE FUN!

TEACHER PROMPT: Ask students to create a diorama depicting the features of temperate grassland



G KNOWLEDGE

TALIBAN



The Taliban, which means "students" in the Pashto language, emerged in 1994 around the southern Afghan city of Kandahar. It was one of the factions fighting a civil war for control of the country following the withdrawal of the Soviet Union and subsequent collapse of the government. It originally drew members from so-called "mujahideen" fighters who, with support from the US, repelled Soviet forces in the 1980s. Within the space of two years, Taliban had gained sole control over most of the country, proclaiming an Islamic emirate in 1996 with a harsh interpretation of Islamic law. Other mujahideen groups retreated to the north of the country.



WHAT IS TALIBAN'S IDEOLOGY?

During its five years in power, the Taliban enforced a strict version of the Sharia law. Women were predominantly barred from working or studying, and were confined to their homes. Public executions and floggings were common. Western films and books were banned, and cultural artefacts seen as blasphemous under Islam were destroyed.

THE FOUNDER

The Taliban's founder and original leader was Mullah Mohammad Omar, who went into hiding after the Taliban was toppled. So secretive were his whereabouts that his death, in 2013, was only confirmed two years later by his son.

INT'L RECOGNITION OF TALIBAN

Following the Sept 11, 2001 attacks in the United States by Al-Qaeda, US-backed forces in the north swept into Kabul in November under the cover of heavy US air strikes.



Only four countries, including Pakistan, recognised the Taliban government. The vast majority of other countries, along with the United Nations, instead recognised a group holding provinces to the north of Kabul as the rightful government-in-waiting. The US and the UN imposed sanctions on the Taliban, and most countries show little sign it will recognise the group diplomatically.

ACTIVITY TIME

TEACHER PROMPT: After discussing about Afghanistan crisis, ask children to make a scrap book on popular figures who fought the Taliban like Malala Yousafzai

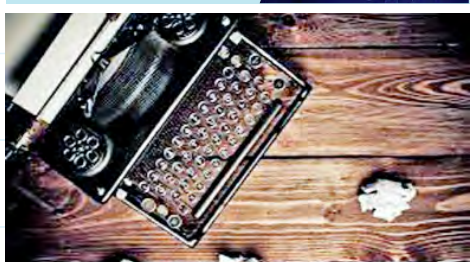


SOURCE: REUTERS

LANGUAGE

TEXT & SUBTEXT

By Kartik Bajoria
Jaipur-based
Communication Skills
Educator & Writer



Text and Subtext, together, is an immensely useful tool as well as concept to understand both language and writing (literature). It is a wonderful creative way of expression, particularly with regard to fiction writing. The simplest way of demonstrating this would be through an example. But some basic definitions first.

TEXT: It is simply stating what is actually taking place. For example, if Kevin is angry with Mira, the writing would simply state, "Mira, I am angry with you!" straightforward writing with nothing hidden from the audience/reader.

SUBTEXT: It is what the hidden meaning and/or emotion is. However, this truth is NOT reflected in the dialogue or the writing. This is more natural and closer to real life. For example, if Kevin is angry with Mira, instead of stating it in an obvious way, the writing might say, Kevin left for work without making the usual cup of tea that he did every morning for Mira. Now, armed with this information, the reader has something to conclude, the situation beckons the audience to think, get involved, and draw own conclusions.

Writing in a sub-textual manner is always more creative, immersive, interesting and involving.



ACTIVITY FOR THE CLASS

TEACHER PROMPT: Ask students to write a dialogue and use direct and indirect expressions while communicating with each other. Explain to students how sometimes 'sub-text' could also include the body language of a person

MATHS

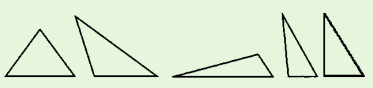
By Sandeep Srivastava
Educator since 20 yrs, he specialises in making Maths easy and fun

T FOR TRIANGLES

We will explore triangle in a more fundamental way (such as importance, congruency, similarity), rather than routine details (such as, types of triangles, angles properties).

The importance of triangles

Triangles are the most under-appreciated geometric figures. They can be made to order – the number of triangular shapes is almost infinite, compared to the limited ways in which squares, rectangles and pentagons can be drawn. For example, a square can only be made bigger or smaller:



Triangles are unique polygons

Triangle is the simplest polygon and all other regular polygons having equal sides and irregular polygons can be divided up into triangles. Thus, triangles offer an alternative way of understanding all of other polygons. To top it all, even a circle can be divided into infinite triangles!



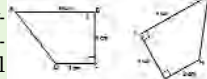
Why not called trilaterals or 'tri-cornered'?

All polygons ('gon' means side) are named after sides, except triangles (i.e., it's not called trilateral); for example, 4-sided polygons are called 'quadrilateral'. This is because only a few types of quadrilaterals are possible, based primarily on differences in sides, but triangles are all unique, and infinite variations are possible.

Congruence of Triangles

In elementary geometry, the word 'equal' is often used in place of 'congruent.' Two circles are congruent if they have the same diameter.

Two congruent figures below are exactly the same in all respects except for



their position and orientation. If we pick one of them and place on top of the other it fits exactly. Such figures are called congruent.

The two footprints are congruent because one can be reflected onto the other. It means that one shape can become another using Turns, Flips and/or Slides:

If two figures are congruent, such a movement can always be done by a sequence of translations, rotations and reflections. Two square are congruent if they have the same length of sides.

Comparing for Congruency

Two square are congruent if they have the same length of sides.

Congruency of triangles

It may be evident from the above example that congruency is a simple concept, and visually apparent in many instances. However, triangles are a category of their own – there are infinite ways of making triangles. We need more in-depth mathematical understanding of congruency in triangles.

When can two triangles be congruent?

It may be evident from the above example that congruency is a simple concept, and visually apparent in many instances. There are only three possibilities.

- All corresponding sides equal (SSS) – this is the basic definition of two triangles being congruent.
- All corresponding angles equal (AAA).
- All corresponding sides and angles equal (SSS & AAA) – this is automatic if SSS holds.

Why AAA does not work?

Consider $\triangle ABC$ and $\triangle DEF$. Both are equilateral triangles, which means that the measure of each of the angles, $\angle A, \angle B$ and $\angle C$ in $\triangle ABC$ is 60° . Similarly, $\angle D, \angle E$ and $\angle F$ in $\triangle DEF$ are also 60° each. As we can see, although the corresponding angles are congruent (60°), still the two triangles are not congruent.

SSS congruency

SSS stands for 'side, side, side' and means that we have two triangles with all three sides equal. In fact, it's the only con-

dition for congruency of two triangles. For example:

There is often a catch

Many a times the SSS congruency is not explicitly stated and we have to infer/verify if the given conditions of congruency of triangles do imply SSS congruency. Such conditions may be SAS, ASA, AAS, RHS equivalence.

Let's consider SAS congruency

SAS ('side', 'angle', 'side') represents any two sides and the contained angle of a triangle. So, if two triangles are said to be SAS congruent then it means their two corresponding sides, and the corresponding included angle are the same. In a triangle, three pairs of SAS can be found:

The first pair includes sides x and y with angle B , the second pair includes sides y and z with angle C and the third pair includes side x and z with angle A .

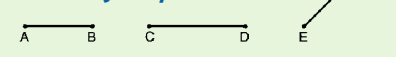
Recall, two triangles are congruent if they have exactly the same three sides and therefore, exactly the same three angles.

But we don't have to compare all the three sides and all the three angles of the two triangles for equivalence or congruency. We have already seen in SSS that the equivalence of just three sides of the six dimensions (3 sides and 3 angles) can prove the congruency of two triangles. So, we just have to see if the equivalence of the included angle (A in SAS) is enough to ensure that the third side is also equal (two other sides are already given to be equal in SAS). Incidentally, and interestingly, the third side is the side opposite to the included angle.

Similarity

What does it mean for two shapes to be similar? You may have seen the Taj Mahal. At some gift stores, you may also have seen miniature models of the Taj Mahal. The model is 'similar' to the real Taj Mahal in every respect except its size! Similarly, if we consider two or more circles with different radius, we find that they are similar to each other. Two or more line segments are similar to each other. We can stretch or rotate one line segment and make it exactly resemble the other.

How is congruency different from



similarity?

Similar triangles have the same shape, but their sizes may vary: Congruent triangles have their sides with same length and angles with same measure. Thus, two triangles can be superimposed side to side and angle to angle. All congruent triangles are similar, the other way may not be true.

Resizing is the key

Yet another way of finding similar figures is also if one figure can completely overlap another using resizing (also called dilation, contraction, compression, enlargement or even expansion), then the figures are similar.

HISTORY

TERRACOTTA FIGURINES

Mahia Bashir writes for Times NIE about interesting events and terms from History. The author is pursuing BA programme at St Stephen's College, and interning at the History Diaries – an initiative to revamp the current pedagogical system of History through tours, drama in schools

Terracotta is an ancient art form, conceivably one of the initial articulations of creativity of the human mind. It is made from a moderately coarse, porous type of clay, shaped or sculpted



and then glazed until hard. In ancient times, it was left to solidify in the hot sun; later it was baked in primitive ovens created in the ashes of open fires.

Terracotta figurines were often linked to artistic and religious expressions



FIGURE THE ORIGIN

All major civilisations made Terracotta figurines, the most prominent among them are the anthropomorphic and animal terracotta figurines from HARAPPA AND OTHER INDUS VALLEY CIVILISATION SITES i.e. Kalibangan and Gujarat sites.

The mother goddess, Harappan Courtiers, with flower head dresses and tiaras, bearded males with coiled hair; the terracotta mask of a horned deity, toy carts with wheels, whistles, rattles, birds and animals, gamesmen and discs rendered in terracotta are some of the finest examples. ■ TERRACOTTA ARMY OF THE CHINESE EMPEROR QIN SHI HUANG, which was found in his tomb. More than 7,000 life-sized terracotta war-

ACTIVITY FOR THE CLASS

- Look around your house and find terracotta figurines
- Discuss benefits of using terracotta
- Check out YouTube videos on how terracotta figurines are made



rriors were sculpted to guard the tomb of the Emperor – it is the biggest terracotta finding till date.

■ Small terracotta figurines from the EARLY BRONZE AGE, as early as 3000 BCE, have been found in Greece, and larger objects dating from the 7th century BC have also been found. Most of these were used to decorate the temples. ■ THE INTERSECTION BETWEEN THE GREEKS AND THE MAURYAN COURT can also be easily traced by noticing the figurines unearthed from Patna (Bihar) from the Mauryan period.



National kickboxing camp held at Ganga International School

Champions aren't made in the gyms. Champions are made from something they have deep inside them—a desire, a dream and a vision. To visualise the dream of Indian National Team for the World Championship, the Kickboxing Federation of India organised 'Team India Camp for World Kickboxing Championship-2021' at Ganga International School, Hiran Kudna, New Delhi from October 1 to 17.

The event was mentored and supported by MP Dr Sushil Gupta. The school chairman Bharat Gupta, director colonel Ashok Kaul, principal Swati Joshi, chief patron of KFI, Pawan Yadav and lieutenant colonel Dinesh Kapoor, member of KFI graced the oc-



casion with their presence.

A team comprising of 40 players and coaches have left no stone unturned in making umpteen efforts to accomplish their goal to win

the World Championship to be held from October 18 to 24. The team is being trained under the guidance of coaches Vijender Singh Rawat, Amit Yadav along with assistant coach Arun Singh and Yogesh Sharma. Tajamul Islam, the winner of gold medal in World Kickboxing Championship (2016) in Italy along with other team members are all geared up and determined to win the upcoming championship.

The chief patron of KFI, Pawan Yadav extended the vote of thanks to the management of Ganga International School for providing extensive support for organising their camp and cheered the team with good luck for their big event.

Digital library inaugurated at NC Jindal

Digital library was inaugurated at NC Jindal Public School, Punjabi Bagh, New Delhi recently. Delving on the significance of the digital library, Geetanjali, the librarian, informed everyone about the subcomponents of the digital library accessible on the school website. She also shared the glimpses of the various activities which were held during the celebration of 22nd National Reading Month. School principal, Dr DK Pandey inaugurated the digital library by clicking its tab on the school website. In his message, he congratulated



the school librarians for bringing the vision of digital library to reality and making it an effective resource for learning, exploration and enrichment. He felt that in the present world of expanding virtual connectivity, authentic sources of information coupled with easy accessibility

have become a prerequisite for individual growth and development.

On behalf of the student community, the school head boy, Saksham Arora made a resolute commitment to motivate others to integrate the digital library resource in their everyday learning.

Online Investiture Ceremony held at SPS

Sachdeva Public School, Pitampura, continued with its annual ritual of handing over the torch to the new student council by hosting the Investiture Ceremony online on September 21. The programme commenced with virtual lighting up of the ceremonial lamp followed by the 'Ganesh vandana' to invoke the blessings of the Almighty.

School principal Mona Rastogi administered the oath to new members of the student council who pledged their devotion, loyalty and



sincerity to uphold the motto of the school. The head boys, Mridul Mittal XII A, Lakshay Gupta XII B and head girls, Kesar Dhingra XII E, Mannat Dudeja XII B thanked the principal for bestowing this honour upon them and also addressed the members of the council to uphold the motto of the school.

RDPS holds story telling session

A good story telling session can do wonders to a child's imagination and can really work at enhancing his expression. The importance of storytelling in a child's development is undeniable.

Resonating the spirit of the same, a storytelling session was organised by Rukmini Devi Public School, Pitampura for the students of classes III and IV where they got the opportunity to interact with Priyanka Chatterjee, an award-winning storyteller. She intrigued and captivated the learners with her brilliant rhetorical skills and engrossed them in various ac-



tivities where they created puppets using origami sheets and enacted like different animals to exhibit their talent and creativity.

The appropriate use of voice modulation and body language infused passion, enhanced imagination and expression and introduced children to the new horizons of storytelling. It was truly a great learning experience for the young learners.

Stupendous achievement by MLKDAV

ML Khanna DAV Public School, Dwarka has got another feather added to its cap. It's a proud privilege to share that Anshika Uniyal, class IX student and the member of Sohara the Interact Club of school has been appointed as district director- Community Economic Development in the District Interact Council 2021-22 of Rotary International District 3011.

Anshika has been chosen for the post for her exemplary performance in the selection process. She was officially installed as the district director in the magnificent district event 'Vaahini: District Interact Training Seminar' held at India International Centre on September 25. The event was also attended by the club vice president Bhvyadhrr



Bhardwaj and club secretary Mishthi Gupta. Interactors received intensive training from eminent Rotarians from Rotary world to hone their leadership skills and be the leaders of change.

School principal Monika Mehan congratulated Anshika for her glorious achievement.

Student Corner



AANSHI GUPTA, class V, Rukmini Devi Public School, Pitampura



SNEHA SHARMA, class XII D, Sumermal Jain Public School, Janakpuri

Addiction

This is a poem dedicated to the most prevalent problem in the teenage, let's talk about addiction that keeps your mind hostage. Addiction always keeps your dopamine levels high, But we should all know the fact, that temporary satisfaction from addiction is just a lie. Addiction often makes you short

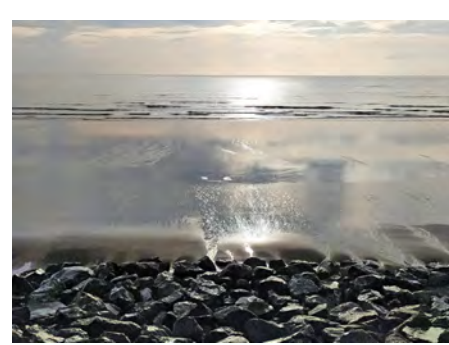
tempered and limits the thinking power of your brain. Now it is for you to decide that whether it's a boon or a bane. Overcoming addictions is one of the hardest things in life. But for you to achieve your goal, you will have to cut all your addictions with a knife.

EKAM BHAGCHANDANI, class XII-C, The Air Force School (TAFS), Subroto Park

OF BEAUTIFUL MEMORIES

With the ease in Covid19 restrictions for travel in 2021, I got the opportunity to travel some interesting places. Tithal beach in Gujarat, a serene spot was one of them. I was travelling with my mum and my aunt.

We reached Vapi by train, since we had reached at night, we stopped at my aunt's house. The next day, we set out at about 3:30 am to visit the beach and the Swaminarayan temple close by. It



felt really great to be with my family after such a long time.

The temple was majestic and well maintained. We prayed to the deities there and explored the serene surroundings. But the best part about the evening was the visit to the beach.

The pristine white sands and the waves lapping at the shore, was indeed a vision to behold.

The setting sun turned the sea orange, we were taken in by the beautiful setting.

Soon after dusk we left. But, the stunning views were etched in my memory and I would never have traded this time with family for anything else.

Aarya Bhanushali, class XI, Thakur College Of Science And Commerce



TRAVEL DIARY

Hamdard Public School receives prestigious award

Hamdard Public School was awarded for 'Excellence in Promoting Comprehensive Learning' by Eldrok India K-12 Summit, organised on October 5, at Pullman Hotel Aerocity Delhi. The award was received by the principal Saher M A Sayed. It was indeed a proud moment, congratulations to the entire staff and management of HPS.



Caring for those who care

Elders are the precious gems of a family. Their experience and knowledge full of wisdom mesmerise small children with their unstinted love and concern and through this special loving bond and caring nature, they keep a family close at heart.

Manav Sthali Global School, Double Storey celebrated the 'International Day for Older Persons' as a mark to acknowledge their contributions for the youngsters of the family and the society as a whole. Children learnt that elders



act as the custodians of righteousness, traditions, values and wisdom and hold a lot of importance in our lives.

Children celebrated and made this day special for all the senior members through various presentations that included small poems and thanks giving messages. Many pre-planned activities like playing board games, creative culinary skills, laughter yoga therapy were performed which made the celebration more enjoyable and entertaining. It brought sheer joy to everyone by seeing children's adulation and the place of reverence they hold for elders in their hearts.

Push for food fortification: Will address India's problem of malnutrition

Malnutrition is a major problem in India. Food fortification will not provide more food, but it will provide the "right food" which is more important than the former. It is a process of adding micronutrients to our food. Food fortification is cost effective. So, fortified food can reach the poorest sections of the country. These people are malnourished and such fortified food can help

FOR them regain health faster. Such food maintains the body's nutritional requirements. The best part is that one need not change one's dietary habits to consume this food and characteristics such as taste and aroma do not get altered while fortifying food. Fortified food can reach India's large population through ration shops. As schools are reopening, it can

be included in the mid-day meals provided to children. Many states have already implemented this and the movement is gaining momentum.

Varada Shendye, class X, SSPM's Sri Sri Ravishankar Vidya Mandir, Borivali East



Food fortification is nothing but adding vitamins and minerals to the normal food to increase its nutritive value. Food fortification is done so that the deficient population will get the required nutrients in the required amount. However, food fortification can be very risky. Adding extra nutrients in common food can increase the consumption of excess nutrients which are not required by the body, thus increasing the risk for health problems. It can cause an overdose of nutrients which might cause many health problems. We all know that many people have some or the others health issue for which they take certain medicines, especially old people. If these people consume fortified foods, it can cause serious health complications.

Hence, food fortification can be harmful.

Radhika Chopra, class X, Fr Agnel Multipurpose School, Vashi



DEBATE

ICC T20 WORLD CUP 2021

INDIA LOOKS TO FIX BATTING ORDER

Final T20 WC warm-up game against Australia will be good time to test strength

Preparations for the T20 World Cup off to a smooth start, India would look to finalise the batting order for the tournament proper when they take on Australia in their second and final warm-up game in Dubai on Wednesday. India will clash against Pakistan in their main event lung-opener on Sunday. The tournament will be Virat Kohli's last as skipper in the format, besides being the swan-song for head coach Ravi Shastri.

As pointed out by Kohli before the warm-up game against England on Monday, India's top three is already settled with KL Rahul and Rohit Sharma opening the batting and the skipper coming in at the crucial no.3 position.

YOUNG GUNS STAKE CLAIM

Having made a stroke-filled 70 before retiring in the seven-wicket win over England, the young Ishan Kishan has also staked his claim for a place in the playing eleven. Rishabh Pant (29 not out) was promoted ahead of Surya Kumar Yadav and it remains to be seen where the latter bats on Wednesday. Rohit didn't bat against England and come Wednesday, the right-hander is expected to get a go against the Australians.

The talking point, however, remains all-rounder Hardik Pandya,

who didn't look comfortable in his brief stay against England. With Pandya not bowling, it remains to be seen whether the Indian think-tank will play him purely as a batter. Sans his bowling, India will also miss the sixth bowling option in case one of the five-strong attack has an off day on the field.

Bhuvneshwar Kumar had one against England on Monday, but

Jasprit Bumrah was at his best. Mohammed Shami picked up three wickets but went for runs, while Rahul Chahar was taken to task by the English batters. And come Wednesday, Ravindra Jadeja, Shardul Thakur and mystery spinner Varun Chakravarthy are expected to get a look in before the main business begins.

On recent form, since losing the home series against Australia 2-0 before the 2019 ODI World Cup, India were unbeaten in eight series in a row. Since the 2016 T20 World Cup, India have played 72 T20 matches and won 45.

AUS MAKE GOOD START

Australia too made winning start to their preparations with Josh Inglis hitting two fours in the final over to help his side beat New Zealand by three wickets in a warm-up match in Abu Dhabi on Monday. There was mixed news for Australia in their first warm-up as David Warner's horror run continued after he was dismissed for a first-ball duck. Adam Zampa (2/17) and Kane Richardson (3/24) impressed with the ball, but a middle-order collapse meant the Australians needed late cameos from Ashton Agar (23 off 18 balls), Mitchell Starc (13 not out off 9) and Inglis (8 not out off 2) to secure the win.

The Aussies have never exactly been a huge force in the shortest format and it remains to be seen whether they are able to finally get things going at the biggest stage. **PH**

NETHERLANDS SEEK FIRST WIN

Netherlands would look to regroup after a comprehensive loss to Ireland and open their account when they take on tournament debutants Namibia in a must-win match of the T20 World Cup's first round in Abu Dhabi on Wednesday.

The Dutch were simply blown away by the stunning four-wickets-in-four-balls performance by Ireland pacer Curtis Campher and they would hope to quickly forget the seven-wicket loss and post a win against Namibia in the Group A game to keep themselves in fray for a Super 12 berth. For the inexperienced Namibians, skipper Gerhard Erasmus and experienced all-rounder David Wiese, who has earlier played 24 T20Is for South Africa, hold the key as they would want to make a mark in the tournament after the seven-wicket loss to Sri Lanka.



KL Rahul



Ishan Kishan

Photos: ANI

ARSENAL DRAW WITH PALACE

Vieira's return as Crystal manager troubles Arsenal fans but give him warm reception

Arsenal fans were nearly haunted by the return of club hero Patrick Vieira, who was back this time as Crystal Palace manager and his team was just about to beat the Gunners at Emirates Stadium. But Arsenal substitute Alexandre Lacazette made sure that wouldn't happen. He scored a dramatic late equalizer and the English Premier League match finished 2-2.

The visitors were leading deep into injury time before Lacazette managed to turn home a rebound in the fifth minute of added time. The forward ran over to celebrate with Arsenal fans. Vieira's return to the club where he brought glory to Arsenal as captain ended in misery, with the Frenchman crouching down and pounding the turf.

Vieira was appointed manager of Crystal Palace in July and

he has tried to bring attacking football to the club. But, so far, Palace has won only once out of eight matches despite impressing with his expansive approach and the team's pressing. "It's not good enough to play well," Vieira said. "We want to win football matches. I want to win football matches."

Palace came from behind to score twice in the second half after Arsenal took the lead through captain Pierre-Emerick Aubameyang in the eighth minute.

Vieira wouldn't have been impressed by the Arsenal defensive midfielders playing in his former position. Thomas Partey and substitute Albert Sambi Lokonga, whose mistakes led to both Palace goals.

Partey first lost possession cheaply in the 50th minute when striker Jordan Ayew stripped him of the ball. Palace striker Christian Benteke collected and cut inside before

smashing past goalkeeper Aaron Ramsdale. Then it was Lokonga's turn to lose the ball, which eventually made its way to Odsonne Edouard. The Palace forward calmly stroked the ball home.

"It was a strange game," Arsenal manager Mikel Arteta said. "We dominated in the beginning. We deserved the goal and after that we lacked composure, belief and maturity. We gave a lot of balls away." The result meant Arsenal was in 12th place in the table, and Palace 14th.

Vieira's spirit and desire to win enamored him with Arsenal fans during his spell at the club. The home supporters serenaded him in appreciation before and after the match. "It was really nice," he said. "I thank the Arsenal fans for the reception." But Vieira, while happy to receive chants in his name, was clearly here to win. "We have to learn from the games we played previously," he said. "I'm really disappointed because the players deserved to win the game. I'm really frustrated. We're learning in a really harsh way." **AP**



Alexandre Lacazette

Photo: GETTY IMAGES



Patrick Vieira

Photo: REUTERS

DJOKOVIC DOUBTFUL AT AUS OPEN OVER VACCINE RULES

Unvaccinated tennis stars are unlikely to get visas to play in the Australian Open, a local official warned Tuesday, with defending champion Novak Djokovic raising doubts about his own participation in the upcoming tournament.

Victoria state premier Dan Andrews said he expected no exceptions from Australia's Covid-19 vaccine rules for players competing in January's Grand Slam. Andrew's comments came as Djokovic told a Serbia media outlet that he was unsure if he was planning to compete in the Australian Open. "I don't know if I'm going to go to Australia. I don't know what's going on. The situation right now is not good," Novak Djokovic told the Serbian daily. **AFP**



Photo: AFP

QUIZ TIME!

Q1: Which male athlete has won the maximum number of medals at the World Championships in Athletics?

- Mo Farah
- Usain Bolt
- Carl Lewis
- Michael Johnson

Q2: Who has won four gold medals in women's 3000 m in the IAAF World Indoor Championships?

- Haile Gebrselassie
- Stefka Kostadinova
- Natalya Nazarova
- Meseret Defar

Q3: Who is the only head coach to ever win two World Cups?

- Vittorio Pozzo
- Sepp Maier
- Franco Baresi
- Gerd Muller

Q4: Who is the current Women's World Chess Champion?

- Ju Wenjun
- Hou Yifan
- Tan Zhongyi
- Anna Ushenina

Q5: Gareth Southgate picked five Manchester City players to start for England against Hungary. Which club once had seven players in an England starting XI?

- Arsenal
- Manchester United
- Liverpool
- Rangers



Gareth Southgate

Photo: AFP

Q6: Which Indian athlete is known as the "Queen of Indian Track and Field" or "Golden Girl"?

- PT Usha
- Kamaljeet Sandhu
- Krishna Punia
- Sunita Rani

Q7: How many Medals were won by Indian National Badminton team at the Commonwealth Games?

- 10
- 12
- 19
- 8

Q8: Which country ranks first in the International Kabaddi Federation's top 10 Kabaddi teams?

- Thailand
- Pakistan
- Iran
- India

Q9: Which tennis doubles pair won the gold medal in men's doubles at the 2020 Summer Olympics?

- Marin Cilic and Ivan Dodig
- Nikola Pietrangeli and Mate Pavic
- Andy Murray and Stanislav Wawrinka
- None of the above

ANSWERS: 1. b. Usain Bolt
2. d. Meseret Defar 3. a. Vittorio Pozzo
4. a. Ju Wenjun 5. a. Arsenal 6. a. PT Usha
7. c. 19 8. d. India
9. b. Nikola Pietrangeli and Mate Pavic