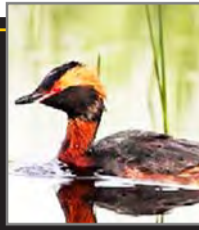




# THE TIMES OF INDIA

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**TODAY'S  
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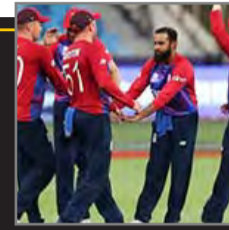
► Can you identify an Umbrella bird? If not, follow the recommended birdwatching apps on Concepts to Classrooms  
**PAGE 2**



► With lockdown restrictions eased, plan a trip to the hills with family, this winter, with full Covid protocols in place  
**PAGE 3**



► T20 WC: High-flying England face Bangladesh challenge in tricky conditions  
**PAGE 4**



**STUDENT EDITION**  
WEDNESDAY, OCTOBER 27, 2021



**Learning second language boosts cognitive function: Study**



A new study has revealed that learning a second language is an effective and enjoyable way to improve brain health. Researchers found that older adults who studied Spanish showed similar improvements in certain critical cognitive skills as did those who engaged in brain training activities that targeted those skills. This study is among the first to examine whether the process of learning a language can benefit brain health in similar ways as bilingualism.

Evidence suggests that bilingualism has a protective effect on brain health, with bilinguals developing dementia later in life than monolinguals. However, little is known about the cognitive impact of the process of learning a second language without becoming fully bilingual.

**CLICK HERE: PAGE 1 AND 2**



## CLIMATE CHANGE: WHAT ARE THE ECONOMIC STAKES?

As the world gears up for COP26 climate talks in Glasgow starting next Sunday, policy makers feel it may be the world's last chance to cap global warming at the 1.5-2 degrees Celsius upper limit set out in the 2015 Paris Agreement. Apart from environmental concerns, the planet is likely to face huge financial losses, they warn...

### HOW MUCH DOES CLIMATE CHANGE COST?

From floods and fires to conflict and migration, economic models struggle with the many possible knock-on effects from global warming. The ballpark IMF estimate is that unchecked warming would shave 7% off world output by 2100. The Network for Greening the Financial System (NFGS) group of world central banks puts it even higher – 13%. In a Reuters poll of economists, the median figure for the output loss in that scenario was 18%.

### WHICH COUNTRIES WILL BE AFFECTED?

The developing world. Much of the world's poor live in the tropical or low-lying regions are already suffering climate change fall-out like droughts or rising sea levels. Moreover, their countries rarely have the resources to mitigate such damage. The NFGS report projects output losses of above 15% for Asia and Africa, rising to 20% in the Sahel (The eco-climatic and biogeographic realm of transition in Africa between the Sahara to the north and the Sudanian Savanna to the south) countries.

### WHAT DOES THAT MEAN FOR INDIVIDUAL LIVELIHOODS?

Climate change will drive up to 132 million more people into extreme poverty by 2030, a World Bank paper last year concluded. Factors included lost farming income; lower outdoor labour productivity; rising food prices; increased disease; and economic losses from extreme weather.



### HOW MUCH WILL IT COST TO FIX IT?

Advocates of early action say the sooner you start the better. The widely-used NiGEM macroeconomic forecast model even suggests an early start would offer small net gains for output, thanks to the big investments needed in green infrastructure. The same model warns of output losses of up to 3% in last-minute transition scenarios

### WHO LOSES OUT IN A 'NET ZERO' CARBON WORLD?

Primarily, anyone with fossil fuel exposure. A report by think tank Carbon Tracker in Sept estimated that over \$1 trillion of business-as-usual investment by the oil and gas sector would no longer be viable in a genuinely low-carbon world. Moreover the IMF has called for the end of all fossil fuel subsidies – which it calculates at \$5 tn annually

### ARE GREEN ADVANCES DECOUPLING EMISSIONS FROM GROWTH?

Genuinely sustainable growth implies that economic activity can grow without adding more emissions. But so far, any decoupling has either been largely relative or achieved by shifting dirty production from one territory to another, causing a rise in global emissions

### COULD THIS SPARK A FINANCIAL CRISIS?

The global financial system needs to be insulated against both the physical risks of climate change itself and the upheavals likely to happen during a transition to net zero. Central banks and national treasuries are calling on banks and other financial players to come clean about the exposure of their books to such risks.



## And the two newest IPL teams are... LUCKNOW AND AHMEDABAD

This after the IPL Governing Council and the BCCI top brass evaluated a total of nine bids for eight hours at a walk-in bid event held in Dubai on Monday. The 2022 edition will, therefore, comprise 10 teams, similar to the 2011 edition.



### MEET THE OWNERS

■ The Sanjiv Goenka-led RP Sanjiv Goenka Group (RPSG) won the bid for Lucknow. The group previously owned the Rising Pune Supergiant team that played two seasons (2016 and 2017). The group also owns the Atletico Mohun Bagan in the Indian Super League and have owned teams in table tennis and boxing previously

■ CVC Capital, which won the bid for Ahmedabad, is an international conglomerate, with offices throughout Europe, Asia and the Americas. They were previous stakeholders in Formula 1 and recently, took a minority-stake in Spain's La Liga.



### WHAT THEY PAID

While RPSG paid ₹ 7,090 crore to buy the Lucknow franchise, CVC, a private equity fund, bought the Ahmedabad franchise for ₹ 5,625 crore. The RPSG bid was 250% more than BCCI's base price of ₹ 2,000 crore; for CVC, it was 160%.

## ADELE IS NO 1 ONCE AGAIN, WITH 'EASY ON ME'

After a six-year wait, a new music by Adele was sure to be a hit. But how big, especially for a song like 'Easy on Me' – a classic piano torch ballad that ignores virtually all contemporary pop standards – was unclear. Turns out it was a really big hit. The song reached No 1 on Billboard's Hot 100 singles chart, with 54 million streams, 74,000 track downloads and 19,000 radio spins in the United States during its first full week out, according to MRC Data, Billboard's tracking arm.



'Easy on Me' is Adele's fifth song to reach No 1 on the Hot 100. Her next album, '30', is due on Nov 19

**THE TIMES OF INDIA**

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**LET YOUR HEART PROSPER WITH AN ECO-FRIENDLY DIWALI**

This Diwali, let's make a pledge to shine a bit brighter. Generation Change has changed the way we celebrate Diwali by being responsible citizens and keeping the eco-warrior spirit alive. As we emerge out of the enormous shadow of the pandemic, let's take a vow to let our minds prosper, think hard about wellness of this Earth we live in, and spread happiness and cheer all around us...

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# CLASSROOMS TO EXPERIENCE ZONES

## BIOLOGY

### UMBRELLA BIRD

#### Where is it found?

The Umbrella bird is found throughout the sub-tropical belt of Central and South America where they spend the majority of their time hopping between branches high up in the tree canopy.

For most of the year, the Umbrella bird can be found inhabiting lowlands and mountain foothills, generally at altitudes less than 500 metres.



It is known as an altitudinal  
migrant as it migrates up and  
down the mountains rather  
than across the land

#### Why is it called altitudinal migrant?

This is so because during the breeding season, they migrate higher into the mountains where they then gather in groups known as 'Lek' to find a mate. These breeding sites are in cloud forests that are between 800–2,000 metres above sea level.

#### What are its distinctive features?

1 The most distinctive feature of the Umbrella bird is the large crest on the top of its head. During mating, the males fan their crest out so that it nearly covers the whole of their head and they then begin to make rumbling sounds to attract a female. The long, curved feathers are then retracted, making the Umbrella bird more discreet.

2 All Umbrella bird species are similar in size and have coarse black



feathers covering their bodies, but each subspecies does have its own fingerprint.

#### Types of Umbrella Bird

The Long-Wattled has a wattle on its throat; the Amazonian one tends to be the largest of the three; the Bare-Necked is easily distinguished by the reddish, featherless patch on its throat.



## ACTIVITY TIME: GETTING INTO BIRDING? THESE APPS WILL HELP YOU

**Ebird** is probably the best birding app for beginners. It's free, which is a big deal since this is a niche where there are plenty of expensive apps that may not be ideal for beginners. It lets you quickly identify and submit bird sightings. You might be very pleased to see a colourful bird that you'd never seen before, but if you're getting into birding, you want to learn to identify its species. You need to be able to notice features such as the bird's size, the colour of its head, its beak, and tail.

**Merlin** is also a rarity in the world of birding apps. Like Ebird, it lets you identify birds in a similar fashion. This app is notable as it covers birds spotted anywhere in the world, as opposed to most other apps that are region specific.

**Merlin** uses the vocalizations of birds to identify them. It not only analyses bird vocalizations but also does so with astonishing degree of accuracy.

## ECONOMICS

### UNEMPLOYMENT



The number of people of working age without a job is usually expressed as an **UNEMPLOYMENT RATE**, a percentage of the workforce.

**STRUCTURAL UNEMPLOYMENT** is the hardest sort of unemployment to cure because it is caused by the structure of an economy rather than by changes in the economic cycle. Contrast with **CYCICAL UNEMPLOYMENT**, which can, in theory if not always in practice, be cut without sparking inflation by stimulating faster economic growth.

When unemployment rate rises and falls in step with the business cycle (boom and bust) it's cyclical unemployment. Another type of joblessness is structural unemployment

Structural unemployment can be reduced only by changing the economic structures causing it, for instance, by removing rules that limit labour market flexibility (one in which it is easy for firms to vary the amount of labour they use, including by changing the hours worked by each employee and by changing the number of employees).

## LANGUAGE

### UNABRIDGED

By Kartik Bajoria  
Jaipur-based  
Communication Skills  
Educator & Writer



Many amateur or first-time writers struggle with this: 'How Should We Keep Our Length In Check?' To them, I have merely a one-word piece of advice – Unabridged. As a beginner, passionate, enthusiastic, spurred writer, when both your emotions as well as your creativity are at their peak, it is difficult to be 'checking yourself, censoring yourself, editing yourself'. What flows out



of you, from the depths of your creative being and from your flight of imaginative fancy must be allowed to soar onto the page freely, unabridged, UNABRIDGED! This is vital for a couple of reasons. First, if you try and curtail or place restrictions on your writing at this formative, nascent stage, you risk endangering its essence and its full vitality. Second, there will be enough and more opportunities where you will, per force, have to undertake not one but many rounds of self-editing, followed by editing by others (including professionals). In any or all of those stages, there will be enough of your writing that will be 'abridged'.

So why place the burden of this brutal task on oneself and on one's natural writing rhythm at the very outset? This applies to poetry, prose or any form of writing.

Try out an exercise. Write a little note about yourself in fifty words and another with no word limit and see which one captures you better! Write to us at [toi175@gmail.com](mailto:toi175@gmail.com)

## MATHS

### UNCUT

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



### SET IS ONE WHOLE

We can see the world around us as a collection of 'many kinds of similar things'; we call such collections as sets.

#### Why set is important?

It's integral part of our lives, the group of best friends, the collection of our favourite things, the way we keep books (as a collection of discrete, many different kinds), the way shops/stores organise things are all examples of sets. A set is a group or collection of 'well-defined' objects or numbers, considered as an entity unto itself and are very simple to apply in math and life.

More specifically, set allows us to create a collection of things and then treat it as homogeneous in some ways for certain operations on a whole collection of things.

#### It helps in addressing large number of things together

The name 'Indian citizens' refers to identifiable 1.35 billion people, just as flowers in a garden imply all the flowers of a specific garden.

#### A beautiful reality of nature is ...

No two trees are alike. Or one human same as another. However, this does pose a serious problem in communication – how do we talk about trees around us if they are all unique in look and form? Or, talk about all the unique people around us? What we do is to define criteria for the trees to be identified as trees or human beings defined as humans.

We don't define trees seeing a particular tree (such as, 10 feet tall, one stem, 5 branches, 2,000 leaves, a particular kind of leaf and flower, etc.) or define humans by seeing a particular human (such as, 5 feet 2 inches tall, male, black eyes and hairs, etc.).

We develop broader, or generic, definitions of what we want to identify, e.g., we define trees as follow (i.e., when a plant is called/counted a tree):

- Woody stem/trunk
- Minimum height of 3 metre
- Minimum stem circumference of 30 cm
- A crown formed by branches, side stems, leaves

Thus, when we talk about trees, we are able to identify a lot of plants around us without naming each one of them in specific terms; tree is a name given to a collection of a type of plant as defined above (by us).

To top it all, many a times, we've to talk of things we don't even see or know of, e.g., all the sparrows in a city, all

the migratory birds coming to the country from far away countries, all the football players and fans. In such cases, it really helps to create a collection of such things and call it as a group/collection.

#### How do we group things?

We group things according to some criteria, as we did for trees. Remember, things in a set are similar only with respect to the rule(s) for bringing the things together. But, defining a set doesn't necessarily mean that we physically collect the things together – set is a mathematical concept.

#### What are sets in Mathematics?

Sets, being very general in nature, allow us to develop mathematical theories by assuming our collection as the 'well-defined' mathematical object. They are important everywhere in mathematics from counting to probability to calculus and is the foundation because every field of mathematics uses or refers to sets in some way. Hence, they are important for building more complex mathematical concepts and structure like that of ordered pairs, relations or functions.

**Sets make the display of a collection easier and briefer and that's why they are very useful!**

#### Properties of a set

- The members/elements of the set (i.e., the things in the set) are distinct (Not repeated).
- The members of the set should be well-defined (Well-distinguishable)
- A set is a qualitative collection not quantitative record of the elements in a set. A set consisting of vowels in the word 'EVACUATION' is expressed as {E, A, U, I, O} irrespective of the fact that 'A' occurs twice.
- Sets can have infinite number of elements for example, the set of natural numbers.
- A change in order of writing the elements does not make any change in the set.

#### Representing sets in math

##### 1. Description Method:

For example,  $B = \{1, 4, 9, 16, 25\}$  in descriptive form is "the set of all square numbers less than 26."

##### 2. Roster or Tabular Method:

$B = \{1, 4, 9, 16, 25\}$

##### 3. Rule method or Set-Builder method:

The rule, statement, formula, in the briefest possible way, is written inside a pair of curly braces.

For example, if P be the set of natural numbers less than 8, then in set-builder form it is written as  $P = \{x : x \in \mathbb{N} \text{ and } x < 8\}$ . It is read as "P is the set of x such that x is a natural number and x is less than 8."

Here, the symbol ':' is read as 'such that.'

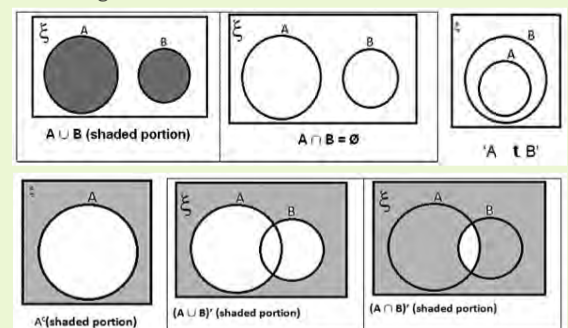
#### Types of sets

- Finite set: Easily guessable.
- Infinite set: This too.
- Null set: A set consisting of no elements.
- Equal sets: 'ALLOY' and 'LOYAL'.
- Equivalent sets: The same number of elements.
- Overlapping sets: At least one element common.
- Disjoint sets: Obvious.
- Subset: A is a subset of B if every element of A is also an element of B.
- Proper subset: Set A is proper subset of set B if,
  - all elements of A in B
  - at least one element in B which is not in A.
- Power set: Collection of all subsets of a set A is the power set of A, including the empty/null set & the set itself.
- Universal set: Contains all the elements under consideration in a situation. The basic difference between Universal set and Power set is that the former contains all the elements of all the sets written once, whereas the latter consists of all the subsets of a set.

#### Operations

- Union of sets: If  $A = \{1, 2, 3\}$  and  $B = \{3, 4, 5, 6\}$ , then  $A \cup B = \{1, 2, 3, 4, 5, 6\}$ .
- Intersection of sets: In the above example,  $A \cap B = \{3\}$ .
- Difference of two sets: In the above example,  $A - B = \{1, 2\}$ ,  $B - A = \{4, 5, 6\}$ .
- Complement of sets: If  $\mathbb{N} = \{1, 2, 3, 4, 5, 6\}$  and  $A = \{1, 2, 3\}$  then  $A^c = \{4, 5, 6\}$ .

These operations can be visually understood through Venn diagrams.



## CHEMISTRY

### URANIUM

#### What is it?

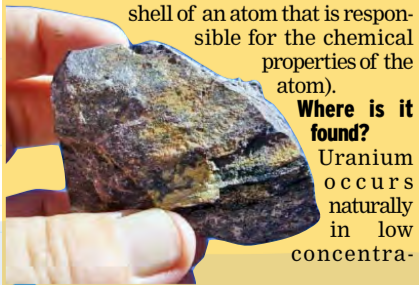
Uranium is a silvery-white metallic chemical element in the periodic table, with atomic number 92. It is assigned the chemical symbol U. A uranium atom has 92 protons and 92 electrons, of which 6 are valence electrons (a single electron or one of two or more electrons in the outer shell of an atom that is responsible for the chemical properties of the atom).

#### Where is it found?

Uranium occurs naturally in low concentrations in soil, rock and water; and is commercially extracted from uranium-bearing minerals such as uraninite. Uranium ore can be mined from open pits or underground excavations.

#### Who discovered it?

Uranium might have come to Earth from outer space. Uranium has been on our planet since Earth was formed about 4.55 billion years ago. It was discovered in 1789 by Martin Klaproth, German chemist. He named his discovery 'uran' after the planet Uranus. Uranium is a fissile element capable of fission reaction.



For many years, uranium was used primarily as a colourant for ceramic glazes and for tinting in early photography. Its radioactive properties were not recognised until 1866, and its potential for use as an energy source was not manifested until the mid-20th century. Uranium is now used to power commercial nuclear reactors that produce electricity

In this activity, students learn about radioactivity, the rate at which an isotope decays, and the concept of half-life. They will count and record the number of decayed 'atoms' and graph the results.

#### Learning Outcomes

- Understand the concept of half life
- Understand radioactive decay process
- Create and interpret half-life (exponential) graphs
- Understand the difference between a linear and exponential progression

#### Each group needs:

- 50 pieces of plain M&M candy or any other (with printing on one side)
- 1 resealable bag
- Graph paper



## ATOMIC CANDY ACTIVITY

#### PROCEDURE

- Prepare bags ahead of time or have students:
- Place 50 atoms of candium (pieces of candy) in a sealed bag.
- Gently shake for 10 seconds.
- Gently pour out candy and count the number of pieces with the print side up.
- Record the data: Consider these atoms have 'decayed.'
- Return only the pieces with the print side down to the bag and reseal it.
- Consume the 'decayed atoms.'
- Gently shake the sealed bag for 10 seconds.
- Continue shaking, counting, and consuming until all the atoms have decayed.
- Graph the number of undecayed atoms versus time, based on tabs Half-life: Total Time-Of Undecayed Atoms- of Decayed Atoms. Now the process is complete.

#### QUESTIONS

- What is a half-life?
- What was the half-life of element candium?
- At the end of two half-lives, what fraction of the atoms had not decayed?
- Describe the shape of the curve drawn in step 9.

#### ANSWERS TO EXTENSIONS

- Half-life is the length of time required for one half of an isotope to decay.
- The half-life of candium in this activity was 10 seconds.
- At the end of two half-lives, 1/4 of the original sample remained and 3/4 of the sample had decayed into a new element.
- The graph is a decreasing logarithmic curve. The shape of the graphs will be almost the same.

SOURCE: THE SCIENCE HOUSE, NORTH CAROLINA STATE UNIVERSITY

## 8 trainers ready to lead the way at DLF Public School

**D**LF Public School, Ghaziabad has yet another reason to celebrate as six of its educators are now Certified Competency-Based Education (CBE) Master Trainers and two amongst them are CBSE-CBE Mentors. These educators have successfully completed an extensive training program on Competency-Based Education organised by CBSE in collaboration with British Council and Cambridge Partnerships for Education. The CBSE-CBE Program is aligned to the vision of the NEP 2020 which leads the way towards quality education and calls for a paradigm shift across the country from content-based learning to a competency-based education-an outcome-based approach to education to ensure proficiency of learning



through demonstration of the knowledge, skills, values, and attitudes required for dealing with real-life situations at the age and grade-appropriate levels.

While expressing her delight on this wonderful achievement of her educators, executive director Dr Mrignaini shared, "We believe that of all the different factors which influence the quality of education and its contribution to national development, the quality, competence, and character of teachers are undoubtedly the most significant."

"As a school, we have always advocated deep conceptual understanding over rote learning and memorisation. We consciously made this first move by getting our teachers trained as CBSE-CBE Mentors and Master Trainers. I am proud that our teachers are at the helm of this shift. At DLF we are all set to lead the way equipped with the finer nuances of competency based education," shared principal Seema Jerath while celebrating this conscious shift.

## Gurukul holds Investiture Ceremony

**G**urukul the School, Ghaziabad hosted the Investiture Ceremony for the session 2021-22 with great zeal and enthusiasm.

As always, the ceremony was conducted in a sumptuous manner, with all the covid protocols in place, and endowed the responsibilities to the dazzling set of leaders. From scintillating dance performances to heart-warming march on the school band, wholesome speeches by youthful and amateurs head boy and head girl of junior wing to amazingly insightful and enlightening endorsement by outgoing head boy and head girl made the event crème de la crème.

36 students secured their positions in the council after the tenacious battle of wits and intellect. The young brigade was lead by the resilient Shashwat

Gupta and radiant Radhika Gupta who were respectively appointed as head boy and head girl of the senior wing. They were suitably complimented by secretary and captains for various domains namely academics, cultural, sports, technology, discipline and community outreach. The positions of head



girl and head boy for junior wing were grabbed by Ishita Verma and Arnab Singh Chauhan respectively.

The ceremony marked the presence of school principal Gaurav Bedi and director administration Shikha Vats who generously appreciated the students for their tenacity.

## DAV holds food rally

**T**o create awareness about health and nutrition, the topic 'Food' was taken in the month of September for pre-primary students of **DAV Public School**, Sreshtha Vihar, Delhi. Throughout the month enriching and fun activities were conducted to develop interest in students for eating nutritious and healthy food and avoiding junk food.

Numerous activities were conducted by the teachers such as drawing, colouring, table etiquette, vegetable man, clay moulding, sorting, headgear craft, sprouts salad making etc. to inspire them to expand their taste buds and to choose healthy food via interactive sessions.

Final was observed in the form of 'Virtual Food Rally' with the support of parents.



Students wore self-created beautiful headgear made from the cut-outs of healthy food items. Students expressed their views about significance of balanced diet and talked about their favourite food.

Teachers, students and parents, all took active part in varied activities with full vigour and enthusiasm. School principal Suhasini K Nath appreciated the activity done by the students.

## Goenkans take pledge to uphold values of democracy

**G**oenka Public School, Dwarka resolutely believes in preparing its student for responsibilities of tomorrow. Keeping in sync with this value system, free and fare democratic elections were conducted in the campus and student leaders for the year 2021-22 were elected. In a solemn Investiture Ceremony on October 5, the young turks took a pledge to don the mantle of leadership and discharge the responsibilities entrusted upon them.

The ceremony commenced with the

lighting of the lamp by the school principal, Anita Khosla and vice principal, Bimla Bist. The council members



were bestowed with the badges and sashes. The head girl, Nehal Jindal and head boy, Jatin Dangi took charge of their duties followed by the sports captain, Tejas Mehta

and the cultural captain, Sanjam Bhatia. The charge for the house captains was taken up by Gia

Sachdev, Aarush Ranjan, Tarush Aggarwal and Niyati Gambhir. The school principal, Anita Khosla administered the oath of office to the student council.

## Ryan conferred with cleanliness award



**R**yan International School, Sohna Road Gurugram added a new feather in its cap as the school was conferred with Swachhagrahi Award for excellent contribution in the activity 'Azadi Ka Amrit Mahotsav' under the category 'Swachh Schools'. Ryan group always inspire to be a beacon of optimism, positivity and light for the children, families and societies.

Following the visionary ideals and guidance of Chairman Dr AF Pinto, we strive to provide a holistic ever evolving environment where kids learn from the best. This remarkable achievement is not only of a high rank in perspective to the present academic arena but also concretises the fact that the school and Ryan group as a whole exemplifies in the field of education. It was the result of all the teachers who had worked tirelessly to bring out the best in every student.

## Fourth Global Week for action on NCDs

**T**he fourth Global Week for Action on NCDs (September 6-12) was observed by the students, parents and teachers of **St Mary's School**, Dwarka in collaboration with the Healthy India Alliance (India NCD Alliance) and people living with NCDs.

A mental health dialogue was conducted for parents on September 7, with a clinical psychologist to identify the needs of adolescents



and youth in building resilient communities in the Covid-19 era.

The session focused on how Covid-19 had affected their lives and measures they had taken to overcome

the burden of the pandemic at individual and family levels. A jingle making competition was conducted for the students of class X on the benefits of engaging communities in non communicable diseases, its prevention and control. The students of class XI displayed the letters 'Act on NCDs' through various yoga poses to promote physical and mental well-being among communities. The students of class XII

actively participated in a group discussion on how we can engage communities to deal with Non-Communicable Diseases and find ways to prevent and control them. World Mental Health week was observed from October 4 to 10.

The students of classes VI-XII were shown PowerPoint presentation on the causes of mental health, ways to improve mental health and the need to be sensitive towards others.

## St Angel's participates in Swachhata Pakhwada

**T**he Swachhata Pakhwada launched by Government of India, is observed to ensure mass participation of citizens in swachhata activities

and to truly transform Swachh Bharat into a citizen's movement. **St Angel's School**, Rohini participated exuberantly in Swachh Bharat Pakhwada 2021 observed by ONGC with verve

and gusto. A number of students and teachers became a part of it by undertaking the numerous activities such as personal hygiene, hand wash

day, cleanliness day community cleanliness, awareness campaign, and many to spread awareness among masses. This initiative would palpably be influential to solve the problems of waste management in India by ensuring hygiene across the country.

## My visit to a hill station

**T**ravelling is something that has always been merry-making. Whether going out on a weekend outing, or for a long vacation, people enjoy to their utmost. They travel to different places, have different experiences, and capture all those moments on a camera. Picturesque sceneries, mouth-watering cuisines, bewildering adventures, all are elements of a perfect outing. One place where I had such experiences was none other than Manali. Besides its natural charm and unparalleled beauty, Manali is known for its unlimited adventure opportunities, the famous Hidimba Devi temple, the beautiful Rohtang Pass, the snow-laden Solang Valley, and its delightful culinary scene. My family and I went to Manali a few



years ago, and trust me, it was a very phenomenal experience. On the first day of our trip, we went down the

adventure sports camp to do activities like paragliding, skiing, ziplining, snowboarding, and many more. These activities were breathtaking and fun. We took many photos and videos and posted them on social media.

On the second day, we departed to the famous Hidimba Devi temple. It is a very beautiful temple, surrounded by greenery everywhere. Many people came to the temple to experience peace and calm. We also went to the Solang Valley, where we saw the white snow enhancing the beauty of the area.

On our last day in Manali, we went to the famous Manali Market, where we bought a lot of clothes and shoes and tasted one of Manali's best street foods. Though it was crowded, the cacophony was less, and we shopped and ate peacefully. This was our experience in Manali, and it will always be remembered.

**RACHIT SETHI**, Student, Euro School, Pune

## Money cannot buy happiness

**M**ost of us fail to understand what real happiness is. We start drawing different conclusions, most of which are wrongly interpreted regarding the true nature of happiness. Is it materialistic, psychological, or clinical? To answer that money can buy happiness, first, we have to understand the intricacies of being happy. Yes, money can definitely provide you with new objects, which can be expensive. However, does that object continues to give u that happy feeling forever? The answer is no. Materialistic happiness is short-lived. One object paves the way for a new one, because we, human beings adapt! Money breeds greed, and greed won't allow you to remain happy for a long period. Money takes away the peace. Real happiness lies within your values. Yes, having money does help you in a lot better way than not having any. Nevertheless, it all depends on how u spend that money. To gain real happiness out of it, you must spend it on something which gives you experience, that you can cherish forever rather than objectifying it. Help the needy. It's not always about buying the newly launched iPhone, because next year again a new model will be launched and the one you are holding now, will lose its charm.



**VARSHINI PINAPALA**, class XI, Chaitanya Public School, Visakhapatnam



**DEBATE**

**KRISHNA PERIHAL**, class X, Balaji Highfields School, Visakhapatnam



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## ICC T20 WORLD CUP 2021

# HIGH-FLYING ENGLAND FACE BANGLADESH IN TRICKY CONDITIONS

**Buoyed by the emphatic win over defending champions West Indies, England look to continue their winning momentum**

**T**heir bowling unit was right on the job as the Eoin Morgan-led England bundled out an otherwise lacklustre West Indies for a paltry 55 in 14.2 overs before cantering home in 8.2 overs. Against an opposition who are familiar with the sluggish sub-continent conditions and capable of producing upsets, Morgan will ill-afford to rest on the laurels. With the match starting in the afternoon, the reigning ODI world champions will be tested in the oppressive heat of Abu Dhabi where temperature soars above 32°C. To their advantage, the Abu Dhabi strip is known to be aiding the pacers and Morgan may think of bringing in Mark Wood into the mix at the expense of a batter.

## MOEEN ALI SHINES

Teams have been successful in chasing so far in the World Cup at this venue, with three out of four games being won by the team batting second. England's build-up to the tournament has centred around the unavailability of Ben Stokes, Jofra Archer and Sam Curran, but they hardly missed their star trio with Moeen Ali providing the winning edge. Opening the bowling, Moeen struck twice inside the power play and went on to bowl his full quota to return with 4-1-17-2, re-

ducing West Indies to 33 for 4. Adil Rashid then gave the finishing touches grabbing an eye-catching figures of 4 for 2 in 2.2 overs.

## ENGLAND'S FORMIDABLE BATTING

For Bangladesh \_who have an abysmal World Cup record with just one of their seven wins since 2007 coming against a Test playing nation (West Indies) \_ the key would be to exploit the conditions in their first ever T20I World Cup clash against England. Their star allrounder Shakib Al Hasan seemed to have been under-utilised in their loss against Sri Lanka. The left-arm spinner gave a double blow in four balls as Sri Lanka were struggling at 79 for 4 inside 10 overs but he came in to bowl his third over in the fog end of the match when the Islanders were in complete control of the chase. England have a formidable batting line-up but their top-order looked a bit shaky the other day even though they were chasing a paltry 56 and Bangladesh pace battery spearheaded by Mustafizur Rahman would look to give the early advantage. Bangladesh also have the likes of Taskin Ahmed, Mohammad Saifuddin and left-arm quick Shoriful Islam who is waiting in the pipeline. **PH**

## NAMIBIA EYE SCOTLAND SCALP

**H**aving sealed a place in the Super 12s with two stunning wins, debutants Namibia will look to continue their fairytale run when they take on a bruised Scotland in the ICC T20 World Cup. Gerhard Erasmus and his bunch of unknown cricketers stunned the cricketing world when they beat Netherlands by six wickets and then notched up a shocking eight-wicket victory over Ireland to grab a spot in the Super 12s. Having earned its right to rub shoulders with the cricketing elites, Namibia will now be keen to test their skills against the best in business and a

win over Scotland will do them a world of good before they take on the likes of Afghanistan, India, Pakistan and New Zealand in group 2. Scotland, on the other hand, were flying high with three successive wins in the first round before they were brought to earth by Afghanistan with an embarrassing 130-run defeat. Kyle Coetzer's men were skittled out for a paltry 60 in 10.2 overs while chasing a challenging 190 and they will need to quickly recover from the defeat to avoid any such hiccups against a team, who are brimming with confidence and have nothing to lose.

Photos: AFP

## BERRETTINI SECURES ATP FINALS BERTH ALONGSIDE DJOKOVIC AND MEDVEDEV

**The Italian will make his second Nitto ATP Finals appearance after becoming the sixth singles player to qualify for the 2021 season finale**

**T**he 25-year-old secured his return to the year-end championships for the first time since 2019 when he reached the Erste Bank Open second round in Vienna. This year marks the first edition of the Nitto ATP Finals in Turin, following a 12-year stint in London. "My words aren't going to describe the happiness I feel in my heart," said Berrettini. "2020 was a tough year for me on and off the court. Here I am about to play my second (Nitto ATP) Finals and I can't believe it. I always have to remember where I started. I didn't dream about this, because it was so big, but now it's happening. I want to do

my best. "When they were telling me in 2019 that the Finals would be in Turin, I remember the mayor of the city told me, 'I'll see you in Turin'. And I was, 'Yeah, right'. Then I qualified for London and now I am qualifying for Turin. I really cannot describe how happy I am. I hope the country is really proud of me."

Berrettini has notched a 40-10 record this season, including a run to his first major final at Wimbledon where he lost to Serbia's Novak Djokovic. He went on to climb to a career-best No. 7 in the ATP Rankings \_ making him the highest-ranked Italian since Corrado Barazzutti in 1978 \_ after he reached the US Open quarterfinals

to Djokovic in September. The Italian also lifted the Serbia Open trophy in Belgrade defeating Aslan Karatsev of Russia in April, reached his first ATP Masters 1000 final at the Mutua Madrid Open where he lost to Alexander Zverev of Germany in May and clinched the Cinch Championships crown in London by downing Cameron Norrie of Great Britain in June. Berrettini joins Russian Andrey Rublev and four former Nitto ATP Finals champions in the Turin field. World No. 1 Djokovic of Serbia, US Open champion Daniil Medvedev of Russia, Greece's Stefanos Tsitsipas and Alexander Zverev of Germany are the others who have secured their ATP Finals berths. **IMS**



Matteo Berrettini

Photo: USA TODAY SPORTS

## AKASH SANGWAN WINS OPENING BOUT

**I**ndian boxer Akash Sangwan (67kg) stormed into the second round with a comprehensive 5-0 triumph over Turkey's Furkan Adem in his opening bout at the AIBA men's world championships here. Sangwan, a reigning national champion, will next face Germany's Daniel Krotter, who got a first-round bye. The Indian dominated Adem in a lop-sided contest held late last night. Earlier, another debutant Rohit Mor

(57kg) gave India a winning start by sailing past Ecuador's Jean Caicedo 5-0 in a confident opening-round performance this evening. Next up for him is Bosnia and Herzegovina's Alen Rahimic. Asian champion Sanjeet (92kg) received a first-round bye, along with Sachin Kumar (80kg). While Sachin will face American Robby Gonzalez in the second round on October 30, Sanjeet will be up against Russian Andre Stotskii on October 29. **PH**



Indian boxer Akash Sangwan

Photo: AFP/PTT

## QUIZ TIME!

**Q1:** Who among the following has won a Gold Medal at the 2014 Commonwealth Games held at Glasgow?

- a. Sushil Kumar
- b. Yogeshwar Dutt
- c. Geeta Phogat
- d. Sakshi Malik

**Q2:** Which team won the EPL without losing a single game in 2003-04 season, a feat which has never been repeated?

- a. Arsenal
- b. Chelsea

- c. Liverpool
- d. Manchester United

**Q3:** The term "Tee" is used commonly in which among the following sports?

- a. Tennis
- b. Polo
- c. Golf
- d. Racing

**Q4:** Who holds the national record in the 1500m track event?

- a. Kamaljeet Sandhu
- b. Priyanka Pawar
- c. Tintu Luka
- d. Sunita Rani

**Q5:** With which among the following sports, Ian Thorpe is related to?



Ian Thorpe

Photo: AFP

- a. Athletics
- b. Boxing
- c. Swimming
- d. Racing

**Q6:** Who was the winner of League for women?

- a. Gong Lijiao
- b. Katerina Stefanidi
- c. Caster Semenya
- d. Laura Muir

**Q7:** Which player is given the Golden Glove Award?

- a. Best player
- b. Best Goal-keeper

- c. Top goalkeeper
- d. Player aged 21 or younger

**Q8:** Which woman tennis player was given the award of Cetatean de onoare ("Honorary Citizen") of the city of Bucharest in 2018?

- a. Serena Williams
- b. Simona Halep
- c. Angelique Kerber
- d. Justin Henin

**ANSWERS:** 1. b. Yogeshwar Dutt

- 2. a. Arsenal 3. c. Golf
- 4. a. Kamaljeet Sandhu 6. a. Gong Lijiao
- 5. c. Swimming 7. b. Best Goal-keeper
- 8. b. Simona Halep