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STUDENT EDITION

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WEB EDITION

NEWS IN BRIEF

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CELEB TALK

Hope literally sustains life: Anupam Kher

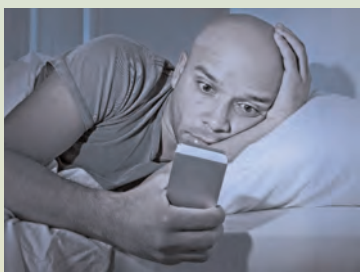
Actor Anupam Kher is confident that the world will survive the deadly coronavirus pandemic, and says all one needs to get through it is hope. The actor shared eight black and white pictures from 1918—the year when the world was battling the deadly Spanish Flu, also known as the 1918 flu



pandemic. The 102-year-old pictures show men and women wearing face masks, face shields, and even gas masks, while in public places. Some are seen greeting each other, while maintaining social distancing. "Everything is the same, including the people, minus the wifi. But the world survived. So, this too shall pass. Hope literally sustains life," he added.

TECH BUZZ

Scrolling through Facebook at night to get simpler



After rolling out dark mode for its desktop website, Facebook has confirmed that it is testing dark mode for mobile. The feature has been made available to a small group of users globally.

■ The mobile version will cut down on glare, particularly, in low-light settings. This will be helpful for users staring at their screens well past midnight, scroll through the news feed as they struggle to fall asleep. Facebook did not mention a timeline for when it will roll out dark mode for all its users ■ The benefits of dark mode are two-fold. By letting users change the background colour of an app to black, it becomes easier to view and more aesthetically pleasing. Secondly, dark mode means that a large number of pixels on the screen will be off at any given point in time, thereby helping to preserve battery life

ENTERTAINMENT

Charles Randolph to make directorial debut with movie on Covid-19 pandemic

Oscar-winning scribe Charles Randolph is set to write, direct and produce a feature on the early stages of the coronavirus pandemic in China's Wuhan city. According to reports, SK Global will finance and produce the project. The film will examine "the dramatic weeks in China as the heroic medical community confronts a mysterious virus, soon to become a global pandemic." The writer, who penned Fox News drama, 'Bombshell', and won an Academy Award with Adam McKay for adapted screenplay for 'The Big Short', will be making his directorial debut with the yet-untitled Covid-19 movie. The project will be filmed in China, and other international locations with local crews.



SPORTS

English County C'ship to begin from Aug 1



The England and Wales Cricket Board (ECB) has given its approval for the professional men's county cricket season to begin from August 1. The ECB release said formats to be played during the delayed men's county season are due to be agreed by the 18 first-class counties in early July, with a new fixture schedule to be published thereafter. A commitment to play women's domestic cricket in 2020 has also been made but may differ from the planned rollout of the new women's elite domestic structure.

MICROPLASTICS are contaminating the FRUIT and VEGETABLES we eat

The presence of microplastics are no longer confined to oceans, they have been discovered in apples, carrots, pears, broccoli and lettuce, claims a new study. According to scientists, root vegetables, including radishes, turnips and parsnips could also be contaminated with the man-made waste, prompting fears over the health impact. Microplastics have previously been identified in meats including, chicken, canned fish and shellfish.

Approximately 330 million tons of plastic were produced across the globe in 2015 alone, with large amounts likely ending up in the oceans and the world's water systems

DID YOU KNOW?



HOW DO THEY CONTAMINATE FRUITS & VEGGIES

1 Scientists believe that the tiny pollutants get sucked into plants' roots with water, and then travel up the stem into the leaves and fruits

2 Apples are the most contaminated fruits with microplastics, while carrots top as the most contaminated vegetable

3 Most microplastics are emitted either directly or via degradation of plastics to the terrestrial environment and accumulate in large amounts in soils, thus representing a potential threat to terrestrial ecosystems, the researchers said

X-PLAINED BLACKLISTING



What The apex court on Monday heard the pleas of foreigners, who were 'black-listed' for attending a religious congregation at Delhi's Nizamuddin area.

Why A black-list is a compilation of the names of all the Indian and foreign citizens against whom there's a 'look out circular' (LOC). Issued by the ministry of home affairs (MHA), the list is prepared by the foreigners division of the MHA, and is shared with all the Indian diplomatic missions as also with all the immigration check-points within India. It is done to stop the exit or entry of certain individuals, which could either be in their personal capacity or because they are associated with an organisation.

How IS IT ISSUED: To place a person or

Who's Well

that's the interesting part—the blacklist is not in the public domain, so until and unless a person tries to enter or leave the country, he/she will not know if he/she is in the blacklist. Currently, there are about 30,000 people in the MHA blacklist, down from 38,000 in 2016.

GENDER STEREOTYPES

Women under-represented in school textbooks: UNESCO

Women and girls are under-represented in school textbooks or when included are depicted in traditional roles in many countries across the globe, according to the Global Education Monitoring Report by the UNESCO. The report provides an in-depth analysis of key factors for exclusion of learners in education systems worldwide, including background, identity and ability, gender, age, location, poverty, disability, ethnicity, indigeneity, language, religion, migration or displacement status, sexual orientation or gender identity expression, incarceration, beliefs and attitudes.

1 The annual report points out that not only the number of images of female characters included in the textbooks is very less in comparison to images of males, women are also represented in "less prestigious" occupations, and as introverts and passive



2 Showing men as doctors and women as nurses; portraying women in subjects pertaining to food, fashion or entertainment; featuring women in voluntary roles and men in paid jobs, are among the gender stereotypes pointed out in the report. The report also takes note of attempts by few countries to revise the textbook images to reflect more gender balance.

SCIENTISTS SPOT RARE NEPTUNE-LIKE PLANET

Scientists have discovered a planet about as large as Neptune that circles a nearby star, which is still surrounded by a disk of debris left over from its formation. Using data from NASA's Transiting Exoplanet Survey Satellite (TESS) and retired Spitzer Space Telescope, the discovery makes the system a touchstone for understanding how stars and planets form and evolve.

■ Known as AU Mic for short, the planet is a cool red dwarf star with an age estimated at 20 million to 30 million years, making it a stellar infant compared to our sun, which is at least 150 times older
■ The star is so young that it primarily shines from the heat generated, as its own gravity pulls it



SPACE

inward and compresses it. ■ Less than 10 per cent of the star's energy comes from the fusion of hydrogen into helium in its core, the process that powers stars like our sun. ■ The system is located 31.9 light years away in the southern constellation Microscopium

A SOLAR WATCH UNVEILED

NEW LAUNCH

American fashion brand Fossil has launched a new breed of eco-friendly sustainable watch called Solar Watch. The Solar Watch is globally available in a limited edition of 1,754 pieces. The watch will be priced at ₹9,995. The all-new watch will be available for purchase on Fossil.in and at select Fossil retail stores.

■ The outer ring of the watch case acts as a solar panel, capturing light and converting it to energy, using a solar cell beneath the dial. It then stores the energy in a rechargeable battery that powers the movement of the watch



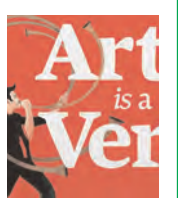
■ Once fully-charged, the Solar Watch is expected to run for around four months, before a user will need to charge it again

■ In addition to opting for a more sustainable, solar-powered movement, the Solar Watch comes equipped with five pull-through straps, which are made with yarn spun from approximately 16 plastic bottles—that is 16 fewer bottles in a landfill, or an ocean or a national park, and one step closer to a greener future

A BOOK FOR EVERY MOOD

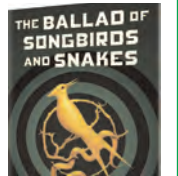
AN AWARD WINNING ONE

Art is a verb
This art book for children recently won the bronze medal in the 'Interactive Children's Book Category' at the 2020 IPPY awards. The book aims to redefine visual art education in India through a combination of art and language-based activities to engage young readers



A TRENDING ONE

The Ballad of Songbirds and Snakes by Suzanne Collins
This dystopian action-adventure novel is a prequel to 'The Hunger Games' trilogy. The novel focuses on the adventures of a teenage, Coriolanus Snow, who would become the dictatorial president of Panem by the events of the original trilogy



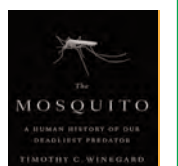
AN NYT BEST SELLER ONE

CIRCE by Madeline Miller
In this book, Zeus, the protagonist, banishes Helios' daughter to an island, where she must choose between living with gods or mortals.



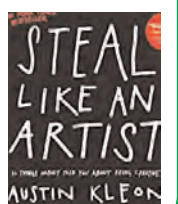
A POP-SCIENCE ONE

THE MOSQUITO: A Human History of Our Deadliest Predator by Timothy C Winegard
One of those "eye-opening books that permanently shift your worldview", said Times reviewer Sam Kean about this book. It talks about how mosquitoes have "upended" history, including their "decisive" role in winning the American independence by decimating non-immune European troops



A CREATIVE ONE

Steal Like an Artist: 10 Things Nobody Told You About Being Creative by Austin Kleon
The book has tons of interesting activities to get your creative juices going



NEW ON THE WEB!

Have you tried the MCQ section of www.toistudent.com yet? Log in now for



QUIZ



MIND TEASERS



FUN WITH RIDDLES



JUMBLD WORDS...

Find out who tops the chart every day! It could be **YOU!!!!**



KNOWLEDGE BANK

Stadia: Stadia, a cloud gaming service operated by Google, is said to be capable of streaming video games up to 4K resolution at 60 frames per second with support for high-dynamic-range, to players via the company's numerous data centres. This is provided they are using a sufficiently high-speed Internet connection. It will be accessible through the Google Chrome web browser on desktop computers, or through smartphones, tablets, smart televisions, digital media players and Chromecast.



Word Wise

True: In accordance with fact or reality.

Synonymous words: Genuine, reliable, factual, accurate, precise, correct, valid, real, exact, reality, devoted, actual, bonafide, sincere, loyal

Examples:

- The film is based on a **true** story.
- These pearls are **genuine**.
- Subir Sen is a **reliable** man.
- There was **factual** incorrectness in his statement.
- His work was done in an **accurate** way.
- She is prim and **precise** in her manner.
- **Correct** a child when she/he is disobedient.

CHECK YOUR APTITUDE

Q.1) What is the number of square units that covers a shape or figure.
A. Perimeter
B. Volume
C. Area
D. Circumference

Q.2) What is a constant that multiplies a variable?
A. Factor
B. Coefficient
C. Multiple
D. Numerical

Q.3) What is the sum of the lengths of the sides of a polygon?
A. Area B. Volume C. Circumference D. Perimeter

Q.4) This is a mathematical statement that says that two expressions have the same value; any number sentence with an equal sign. Name it.
A. Inequation
B. Equation C. Addition
D. Riders

ANSWER:

1. Area 2. Coefficient 3. Perimeter 4. Equation

Quiz time

MIXED BAG

Q.1) The Reserve Bank of India has its headquarters in?
A. New Delhi
B. Mumbai
C. Chennai
D. Kolkata

Q.2) The Vikram Sarabhai Space Centre is located in?
A. Hyderabad B. Pune
C. Thiruvananthapuram
D. Bengaluru

Q.3) Bagh, a village in Gwalior is famous for:
A. Cave Paintings
B. Architecture
C. Sculptures
D. None of the Above

Q.4) Brihadeshwara Temple is dedicated to:
A. The Sun
B. Gautam Buddha
C. Shiva
D. Vishnu



ANSWERS

1. B) Mumbai, 2. C) Thiruvananthapuram, 3. A) Cave Paintings, 4. C) Shiva 5. B) Chennai 6. A) Pune

Mind teasers

MATHS QUIZ

ANSWERS

- Q.1)** A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?
A. 16 days B. 15 days C. 18 days D. 36 days
- Q.2)** A is thrice as good as a workman as B and therefore is able to finish a job in 60 days less than B. Working together, they can do it in:
A. 22.5 days B. 25.5 days C. 22 days D. 12.5 days
- Q.3)** A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3

- days. How much is to be paid to C?
A. Rs. 100 B. Rs. 200 C. Rs. 400 D. Rs. 600
- Q.4)** If 6 men and 8 boys can do a piece of work in 10 days while 26 men and 48 boys can do the same in 2 days, the time taken by 15 men and 20 boys in doing the same type of work will be:
A. 10 days B. 14 days C. 2 days D. 4 days
- Q.5)** A can do a piece of work in 4 hours; B and C together can do it in 3 hours, while A and C together can do it in 2 hours. How long will B alone take to do it?
A. 12 hours B. 9 hours C. 5 hours D. 15 hours

(1) B) 15 days (2) A) 22.5 days (3) C) Rs. 400 (4) D) 4 days (5) A) 12 hours

ACTIVITY

FUN-ZONE



Want to boost your general knowledge? Take this exciting test. Rest assured, it will really test you!



Q1: The symbol Sb stands for stibum or stibnite. What is the modern name of this element?

- A: Arsenic
B: Tin
C: Seaborgium
D: Antimony

modern periodic table?

- A: Dmitri Mendeleev
B: Antoine Lavoisier
C: Gregor Mendel
D: Alfred Nobel

CHEMISTRY

Q2: Water-based can be described as acidic, neutral, or basic, with respect to pH. Which of these describes milk?

- A: Slightly acidic
B: Neutral pH
C: Milk doesn't have pH
D: Slightly basic

Q3: What is the most abundant protein in the human body?

- A: Tubulin
B: Albumin
C: Collagen
D: Keratin

Q4: Who is credited with the invention of the

Q5: Organic chemistry is the study of compounds that make up living organisms. All organic molecules contain:

- A: Carbon only
B: Carbon and Nitrogen
C: Carbon and Hydrogen
D: Carbon, Nitrogen and Oxygen

Q6: You can't live without iron. Where in the body is most of the iron located?

- A: Brain
B: Skin
C: Bones
D: Blood

Q7: What do you call an atom that has more protons than electrons?

- A: Molecule
B: Isotope
C: Anion
D: Cation

Q8: A drop of food colouring spreading out in a cup of water is an example of which transport process?

- A: Diffusion
B: Osmosis
C: Vapour pressure
D: Effusion

Q9: If you fill a glass to the brim with ice water and the ice melts, what will happen?

- A: The glass will overflow as the ice turns to water.
B: The level of water in the glass will remain unchanged as the ice melts.
C: The water level will drop slightly as the ice melts.
D: Mercury

ANSWERS: 1. D, 2. A, 3. C, 4. A, 5. C, 6. D, 7. C, 8. A, 9. B

COMMON GRAMMATICAL MISTAKES

1. BARE/BEAR

THE RULES:

- **"Bare"** means without covering or clothing.
- **"Bear"** is to carry something. It is also an animal.

HOW NOT TO DO IT:

- In our textbooks, there are photos of physicians a century ago performing autopsies with their **bear** hands.

HOW TO DO IT PROPERLY:

- In our textbooks, there are photos of physicians a century ago performing autopsies with their **bare** hands.

Swami Vivekananda Centenary School celebrates RABINDRA JAYANTI



Every year on May 8 (25th day of Baisakh), we never fail to celebrate the birth anniversary of Rabindranath Tagore which we do with grand cultural events. But this year has been different from other years. Due to Covid-19 everything has changed and the scenario and style too have changed. But we Bengalis, ensured that we didn't miss celebrating the occasion.

Swami Vivekananda Centenary School celebrated Tagore's birth anniversary this year with all their emotions in online mode like our education system. The students and



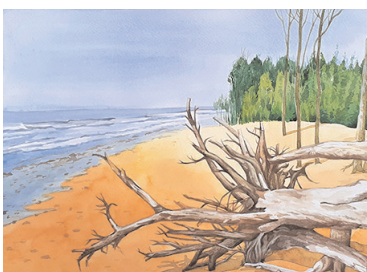
teachers performed from their home, keeping the "Stay Home Stay Safe" thought in mind. Our teacher in charge Payel Chakraborty and vice-principal Smita Sur Ghosh garlanded the portrait of Tagore. Reverend Swami Satya Dharmananda, secretary, Jana Siksha Mandir, Ramkrishna Mission, Belurmath, honorary academic advisor of our school, sent his message specially for this day.

We collected all the performances and made a video and uploaded it on the school's official YouTube channel for everyone's convenience. Everyone performed with all their efforts. We hope that these unfortunate days of fear will soon get over and we will all go back to school and celebrate this day like before.

The students and teachers performed from their homes, keeping the "Stay Home Stay Safe" thought in mind. Our teacher in charge Payel Chakraborty and vice-principal Smita Sur Ghosh garlanded the portrait of Tagore

SCHOOL IS COOL

BHS teacher showcases artistic vision



Birla High School's art teacher Susanta Pal had created some art works which has got published in 'The Kala Chaupal'. He was happy to announce that, The Kala Chaupal, a reputed public trust, that uses visual and supporting arts to drive positive social and cultural change, had selected his art works to feature for a newsletter, which he did during the lockdown.

"Living in the ongoing global circumstances, I wanted to create visual narratives by which the time we are passing will be reflected. The curator of Kala Chaupal considered my works relevant to global communities and she submitted my art works in another international project named 10cents project, organised by 10 Cents.



JOURNEY OF THE SOUL AMIDST A SENSE OF LOSS...

Jagannath, literally meaning the Lord of the Universe, is a form of Lord Vishnu, revered particularly in the coastal town of Puri, in Odisha. Jagannath, has a very distinct form - an appearance that is uniquely unfinished that has a intimidating tribal touch, which sets it apart from the other Vishnu iconography found in Hinduism. The fact that the idols of Jagannath, his brother Balabhadra and his sister Subhadra, are incomplete has several folklores attached to it, but the underlined spiritual significance is that a complete form appears only in human imagination, that is different from that of the half-finished reality. Thus, Jagannath, originally worshipped as 'Neela Madhava' by the 'Savara' tribe of Odisha that accounts for its totem-like appearance, provides a very tangible and real way to realise the incompleteness of the world and aim for a holistic growth. The

three idols made of wood, are replaced every 12 years - the old image 'dies' and is 'cremated' and the new image takes its place. Thus, the divinity too undergoes a cycle of birth to death which gives to the Supreme Godhead, a surprising human resemblance. This God, with his siblings, emerges out of the sanctum sanctorum annually, to ride on three chariots, towards their aunt's house, and return a week after. The procession, witnesses a magnificent congregation of devotees from all backgrounds, who pull the rope of the chariots, with faith and devotion. This is Rath Yatra - the festival where the Lord comes out to see his devotees. His dark circular eyes sparkle, a big smile stretched across His face, as He witnesses their pristine Bhakti - a celebration of the union of the 'jivatma' and the 'paramatma'.

Rath Yatra, stood on the verge of cancellation this year, amidst the Coro-

na virus pandemic, as the huge gathering would increase the number of affected people. However, after deliberations, a restricted Rath Yatra was allowed in Puri only, where the chariot was pulled by the servitors and civic personnel, disallowing the assemblage of devotees. And this time, on empty streets, the chariots rolled - a sight that was so unfamiliar, and there was, this year, a vacuum of the beatitude that accompanies the festival. Instead, there was a hope - an anxious call to Jagannath, to set things straight. Rath Yatra at other places remained cancelled, with temples allowing only few people to visit it, maintaining norms of social distancing. Rath this time came with a sense of loss, or perhaps with a message providing a deeper understanding - that Jagannath is the personification of the soul, and Rath Yatra is the journey of this soul from material bound-

aries to the spiritual sphere.

"The day the Self-born unity will come into being by the harmony and integration of knowledge, devotion and work, ... on that day the chariot of Jagannath will come out on the avenues of the world" ~ as Sri Aurobindo, aptly sums it up, this is the phenomenon of the Rath Yatra. This is the Jagannath Consciousness, that within each of us, lies a potential to realise the Supra-mental Godhead - to become the Lord of the World - by extending beyond our incomplete and finite attitudes. And perhaps, this is what the pandemic situation has revealed, that beyond the totem image of Jagannath, is a deeper dimension and when this becomes clear, then the mere festival, will become a cognizance of the divinity intrinsic in mankind.

- Aadrit Banerjee, Class XII, Apeejay School, Park Street