



THE TIMES OF INDIA

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TODAY'S EDITION

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STUDENT EDITION

MONDAY, OCTOBER 19, 2020



WEB EDITION

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1 VINISHA UMASHANKAR

CLASS: IX
SCHOOL: SKP VANITHA INTERNATIONAL SCHOOL, TIRUVANNAMALAI, TAMIL NADU
MY INSPIRATION: CV RAMAN

THE IDEA: The idea of a solar ironing cart crossed my mind one-and-a-half years ago when I came across an ironing man, who visited our street daily, and dumped the burnt charcoal on to a nearby land. A landfill had become a hazard. Looking at the growing landfill, I realised the need to come up with a



sustainable solution quickly. My idea was to change the source of the fuel for the ironing cart so that it is not harmful to the environment.

THE EXECUTION: Apart from reading books on the topic, I discussed it with my father, who suggested me the possibility of using solar energy to generate electricity by placing it on the roof of the cart. India has hot climate and therefore, it supports the running of the device. Living in a small town, it was difficult for me to get the resources to build the ironing cart. So, first, I had to find resource materials online for theoretical research. I created a technical paper with diagrams on how each part would function and then submitted it to the National Innovation Foundation India, Gujarat, who made a prototype of it. I won the APJ Abdul Kalam Ignite award for this project.

Best ideas for innovation are found where there are problems. Observe your surrounding carefully, identify the problem and find the solution

Three Indian children have made it to the finals of the Children's Climate Prize 2020 to be held in Stockholm on November 18. In an exclusive to Times NIE, the trio shared their ideas, dreams and hopes...

Meet the Green-o-vators

CLASS: VIII
SCHOOL: BHAVAN'S VIDYA MANDIR, GIRI NAGAR, KOCHI, KERALA
MY INSPIRATION: MY PARENTS, TEACHERS AND MY PRINCIPAL

THE IDEA: During one of my trips to Karnataka, I noticed that a lot of people, especially in small towns, are still using the 'chulha', which pollutes the environment and is also harmful to humans. Asked why they weren't using gas stoves, people said it was too expensive for them. This led me to think of an innovation that would make their lives easier. With the help of my teacher at the school's Atal Tinkering Lab, sponsored by Niti Aayog, and

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teammates, I came up with an affordable pollution-free solar-powered stove.

THE EXECUTION: Owing to the Covid situation, getting parts for our device was very difficult. We had to wait for two months to get all the parts. Some parts were available at the Atal Tinkering Labs, but most had to be bought online.

Even if you have a simple idea, keep working on it, keep researching. You might just find the right time and opportunity to build it too

3 AADYA JOSHI

GRADE: XII
SCHOOL: AMERICAN SCHOOL, MUMBAI
MY INSPIRATION: JANE GOODALL

THE IDEA: I would often pass a junkyard in my neighbourhood, which was filled with abandoned cars and tons of garbage. One day, I decided to clean up the junkyard and spoke to the police official in-charge. So, in the summer after grade IX, I undertook a project that involved cleaning and greening of a dump yard near a local police station. While trying to fig-



ure out what to plant there, I learnt about the importance of native plants, and how they were more resilient and better suited to their local environment than non-native plants. Thus, I came up with the Right Green Project.

THE EXECUTION: While I started cleaning up the neighbourhood, and was about to plant trees, I realised that people are not aware of the importance of native trees—that are locally-grown in a particular region, and the native insects have specialised capability to digest the leaves of native plants that they co-live with. The non-presence of native plants in a particular region disturb the food chain, leading to an imbalanced ecosystem. I founded the Right Green Project, where I hold workshops called 'superhero programme' for schoolkids to make them aware of native plants and their importance.

Most adults tend to dismiss your idea thinking that you are a child, so don't let that deter your spirit. Keep working on your idea, till you live it

(As told to MALINI MENON)

Spotlight

NEET TOPPERS 2020

SOYEB AFTAB AND AKANKSHA SINGH

Soyeb Aftab from Odisha and Akanksha Singh from Kushinagar have topped the All India medical entrance tests, securing AIR 1 and AIR 2 respectively. Both of them have secured 720 out of 720 marks in the



examination. Aftab said that Covid-19 pandemic came as a blessing in disguise for him, and he put it to good use to concentrate more on his studies. "I used smartphone normally, as there was no study pressure. But I concentrated more on studies that helped me score big," Soyeb said as he advised aspiring candidates to use smartphones only to enhance their knowledge of their subjects.

KAGISO RABADA OVERTAKES SUNIL NARINE AND LASITH MALINGA, BECOMES FASTEST TO 50 IPL WICKETS

Kagiso Rabada set a new Indian Premier League (IPL) record for the fastest bowler to pick up 50 wickets. The Delhi Capitals' bowler, who has now picked up a wicket in 23 successive IPL matches, reached the landmark in his 27th match in the tournament on Saturday in Sharjah.



Kagiso Rabada has broken Sunil Narine's record as the West Indies and Kolkata Knight Riders spinner had set the record achieving the landmark in 32 matches. Lasith Malinga is the third-fastest man to get to 50 wickets as he had gotten there in 33 matches. Imran Tahir (35) and Mitchell McClenaghan (36) complete the top 5 of the elite list

VIEWPOINT

KOHLI BATS FOR CAPTAINS' CALL ON WIDE BALL REVIEW IN T20S

India's skipper Virat Kohli has suggested that captains in T20 cricket should be given the authority to review both wide balls and waist-high full-toss from on-field umpires. "As a captain, I would like to have the ability to review a wide which could be a wrong call or a waist-high full toss, which could be a wrong call," Kohli told KL Rahul during an Instagram chat session recently. "Historically, we've seen how these small things can affect the game in a fast-paced T20 format and high-profile tournaments like IPL," he added.

THE CONTEXT

Kohli's comments came in the aftermath of a controversy involving MS Dhoni during Chennai Super Kings' match against SunRisers Hyderabad in the ongoing edition of the Indian Premier League (IPL). During the 19th over of SRH's chase of 168 on Tuesday evening, both Dhoni and bowler Shardul Thakur expressed their disappointment after umpire Paul Reiffel stretched his arms to signal a wide being faced by Rashid Khan. Following Dhoni's miffed gesture, the umpire changed his mind and decided not to call the wide. Reiffel put his arms down looking at CSK captain's reaction, and declared it as a fair delivery



Photo: ANI

Q Should captains be given the authority to review wide ball decisions?

Share your views at toinie175@gmail.com
You can also post your comments at toistudent.com

LIFE IS LIKE BUILDING A SPIDER WEB: ETHAN HAWKE

Hollywood star Ethan Hawke has compared living life to building a spider web, saying each moment, success and challenges are connected to each other beautifully. "Life is a lot like building a spider web. You kind of jump from one corner to the next," Hawke said in an interview, while looking back at his journey from a child actor to a star.

CELEB TALK

- Hawke's tryst with Hollywood started as a baby-faced child in 'Explorers', in 1985. He went on to make a breakthrough with his appearance in 1989 with 'Dead Poets Society'
- After a multi-decade journey, Hawke has evolved as an Oscar-nominated leading star, critical writer and director passionate about the stories he wants to tell
- Some of his performances that are carved in public memory include the narcotics officer in 'Training Day', the hopeless romantic in the 'Before Sunrise' franchise, among others



Photo: Getty Images

NEW SPELLING ALGORITHM TO REDUCE MISSPELLINGS IN GOOGLE SEARCH

One in 10 queries on Google Search are misspelled and the tech giant has now introduced a new spelling algorithm that uses a deep neural net to improve the ability to decipher misspellings, in under three milliseconds. According to Google, this single algorithm makes a greater improvement to spelling than all of its improvements over the last five years.

TECH BUZZ

Google has invested deeply in language understanding research, and last year, it introduced how Bidirectional Encoder Representations from Transformers (BERT) language understanding systems are helping to deliver more relevant results in Google Search. Google recently made a breakthrough in ranking and is now able to not just index web pages but individual passages from the pages.



NEWS IN BRIEF

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MOON ONCE SHARED MAGNETIC FIELD WITH EARTH, PROTECTING ATMOSPHERE

Scientists have long known about the Earth's magnetic field, which causes the beautifully-coloured aurorae in the Arctic and Antarctic. Thanks to the studies of samples of the lunar surface from the Apollo missions, scientists figured out that the Moon once had a magnetosphere too. The new study simulated how the magnetic fields of the Earth and Moon behaved about four billion years ago. At certain times, the Moon's magnetosphere would have served as a barrier to the harsh solar radiation raining down on the Earth-Moon system, the scientists wrote. That is because, according to the model, the magnetospheres of the Moon and the Earth would have been magnetically-connected in the polar regions of each object. Over time, as the Moon's interior cooled, our nearest neighbour lost its magnetosphere, and eventually its atmosphere



The Moon played a huge role in the evolution of life on the Earth, as a new study suggests that our natural satellite once had a magnetic field that helped shield our

home planet from harmful solar radiation during a critical early time. The shared magnetic field situation, with the Earth and Moon's magnetospheres joined, could have persisted from 4.1 to 3.5 billion years ago, according to NASA.

SPACE DID YOU KNOW?

Which BIRD flew non-stop from ALASKA TO NEW ZEALAND in 11 days recently? GODWIT

- 1 The bar-tailed Godwit bird has been tracked for flying 'non-stop' from Alaska to New Zealand, which is roughly around 12,000 km, for 11 days-setting a new world record for the longest 'non-stop' flight by a bird.
- 2 The bird started off from south-west Alaska and reached Auckland in New Zealand 11 days later. It flew at speeds, which were up to 55 mph.
- 3 According to scientists, with a standard weight of the tiny bird being between 190 g and 400 g, it



doubles its size before a long flight and has the ability to shrink its internal organs to lighten its load, which could result in its speed increasing during a flight this long.

4 With the help of a 5g satellite tag attached to the bird's lower back, the scientists were able to track its exact location during his flight from one continent to the other. The bird crossed the Aleutian Islands, Hawaii, Fiji and New Caledonia to reach NZ.

According to scientists, the Godwit bird is touted to have the makings of a 'jet fighter'. They are designed like a jet fighter. Long, pointed wings and a really sleek design, which gives them a lot of aerodynamic potentials, they say

Quiz

DID YOU KNOW?

TIPS AND TRICKS TO MAKE THIS WEEK YOUR BESTEST YET

WHAT ARE YOU GOING TO ACCOMPLISH THIS WEEK?



MAKE LISTS

Your inner chaos loves disorganisation. So a manageable to-do list will increase your happiness every time you check off an item. PLUS it'll help you find solace as a routine can be quite an anchor in this pandemic life.



DANCE

Seriously, just play some beats and dance five minutes into waking up. Listening to upbeat music releases chemicals that act as mood-boosters and ups your happiness levels. Shake off the sleepiness with fun music and dance.

HUG IT OUT

The science says that we need at least five proper hugs a day to be happy. That means using both arms, and a little heartfelt squeeze.

KEEP A GRATITUDE JOURNAL

Buy a new notebook and write a list of what you're grateful for, or what you're looking forward to each week. Writing down these positive thoughts will lead to increased positivity.

BE HERE NOW

Mindfulness can alleviate boredom and plug you into a greater state of fulfillment. Sit at your table and think about what you can see, smell, taste, hear and touch.

EXHALE

Deepen your breath, pay attention to your exhales. This will reduce anxiety.

Wake up at 5 am

In 'The 5 Am Club' author Robin Sharma stresses on the importance of waking up early, and using the first hour for yourself. He says, "Waking up at 5 am is the mother of all habits. Even Gandhi got up early, the monks get up early, a lot of the great artists get up early. Why? Because it is the quietest time of the day. You can do your best thinking." Once you wake up, use '20/20/20'

The point is to encourage yourself to be more realistic about how much can be done while minimising distractions.

Frame your thoughts

One of the biggest reasons people fail to keep goals is because they're not specific enough, says psychotherapist Jonathan Alpert. For example, resolving to 'exercise more' or 'lose weight' are easy ways to set yourself up for failure, as they lack ways to mark progress and are unlikely to keep you motivated for long. Instead, try making your goal specific, like running a particular 5km you have circled on the calendar or losing 10 pounds by a certain date. Having a timeline is helpful. So, think of short-term, medium-term, and long-term benchmarks that will let you know you are on track to achieving your goal. You should have a clear idea of what you need to do this week. TNN

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TRIVIA

George Orwell's '1984,' the political novel, which has become a bestseller again during the Trump administration, reflects the British author's reading of - James Burnham's 'The Managerial Revolution' and Halford Mackinder's 'Democratic Ideals and Reality...' Orwell's son, Richard Blair, said his father was "the most voracious reader" who "absorbed enormous amounts of books".

formula to get going. Divide the first hour in slots 20 minutes each and use it to 1) sweat as in do some physical activity/exercise to get the dopamine rush; 2) reflect through meditation or journaling 3) and read or watch a useful video or listen to a podcast.

Find your highlight of the day

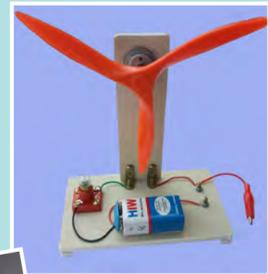
Jake Knapp and John Zeratsky, authors of 'Make Time,' a guide to productivity recommend starting with a 'highlight' every day. This 'highlight' is the most important thing you want to tackle in day. It could be a software update or cooking dinner for your family or anything.

Must Try Craft Activities

There is only so much screen time that is good for young children. Mobile games, cartoons on television and online classes can keep a child only passively engaged. What's been missing during long months of lockdown is active involvement that unleashes their imagination and fosters creativity. These are a few innovative activities that you could try... They are fun to do and great to use too!

Bring alive science projects

Learn how to make miniature models of motorcycles and windmills out of Lego pieces, wooden sticks and cardboard and any other material you may find at home. Plant seeds in a contain-



er that you can later decorate and watch the saplings grow by watering them daily. Make your own kaleidoscopes, telescopes and pin box cameras, which will help you understand the laws of physics better. Cardboard, glass pieces, mirrors and a little glue is all you need.

Bringing stories alive with puppets

Talking of stories, puppets (either with strings) or finger puppets can be a great way to bring alive history books or literature. You can enact entire story books by creating characters cut out from cardboard, or cloth dolls stuffed with rags, their faces painted with fabric colours and dresses cut out of used clothes. You can even fashion trinkets and accessories like swords.

DIY this Diwali

This festive season, you do not need to step out of home for shopping for lanterns, diyas and torans. Instead, get your supplies like colourful card paper, glitter paper, paints, crepe paper and festoons to brighten up your home. Fashion your own lanterns to hang in windows and paint and decorate the earthen diyas. Create innovative festoons using scissors and glue to hang up in the balconies and thresholds this Diwali. Bring in your own personality to your rooms this festive season through family message boards and home-made gifts or Diwali greeting cards for family and friends. It will be gratifying and a lot of fun too.

Art from waste

Kids over the world have been inspired by the young Greta Thunberg's drive for saving the planet, and you start to recycle and repurpose as well.

A creative way of doing this is to save used plastic bottles for making plant holders, used cartons for making stationery racks and picture frames from pistachio shells and create toy animals using cylinders of used toilet rolls. Use wrapping paper, ribbons and strings to decorate the art. Learn to make a dream-catcher out of old coat hangers and some string that's decorated with colourful glitter.

Emotional Wellbeing

4 tips for good mental health in pandemic

Before we wait for our emotional stress and pandemic-induced angst to turn into a bigger pandemic, there are urgent steps to be taken to be kinder to ourselves and make this difficult phase a little less stressful. Here are some measures which could help.

Tune out the bad news

Doomsurfing is bound to make us feel panicky. Bad news, events about trauma can also add to our stress. While we do know that the state of affairs isn't going to change quickly for the foreseeable future, limiting your exposure to bad news can help centre your mind.

Covid anxiety can be contagious

Anxiety can quickly spread, much like the virus and as human beings, we are designed to worry too much. The only doable thing right now is control how you react to a certain situation. It is all the more important to realise that we have no option but to embrace uncertainty and explore options within the confines. For those with pre-existing mental illnesses, the time can be even more confusing and debilitating. Even if you do feel

okay, consider checking in with a specialised counsellor or therapist, who could help you deal with the bad times and not stress out.

Take strategic time-outs

Positivity, as much as it helps, cannot be practised every time and is easier said than done. We are way beyond the time when the situation seemed like doomsday and for all we know, it will continue to be the new normal sphere for the time being. A good way to do that would be to adopt strategic time-out goals. Feel angry and frustrated? Allocate 15 minutes from your schedule for the same.

Write down and validate your feelings

It is okay to react in a certain way after receiving bad news. Denying yourself negative emotions can give you more stress than possible, according to a study conducted by a California-based university. Allow yourself some time to breathe and react. This will help you deal with the terrible news at hand. Instead of biting your nails over what is happening, think of the worse things which could have happened. Remember, no matter how bad it is, it's not the end of the world.

QUIZ TIME (BOOKS)

Q.1) In the 'Harry Potter' series, what is the full name of Harry Potter's favourite headmaster?

- A. Albus Wulfric Percival Dumberton
- B. Albus Percival Wulfric Brian Dumbledore
- C. Brian Percival Dumbledore
- D. Albus Dumberton Wulfric

Q.2) Who wrote the 'Mortal city' series?

- A. Cassandra Clare
- B. J K Rowling

Q.3) Who has written the 'Panchatantra'?

- A. Sarojini Naidu
- B. Ruskin Bond
- C. Vishnu Sharma
- D. R K Narayan

Q.4) Who has written 'Malgudi Days'?

- A. R K Narayan
- B. Ruskin Bond
- C. Rabindranath Tagore
- D. Jyotiba Phule

Q.5) For which book did Rabindranath Tagore win the Nobel Prize?

- A. Pushpak
- B. Geetanjali
- C. Saraswathichandra
- D. Harishchandra

ANSWERS

1. B) Albus Percival Wulfric Brian Dumbledore 2. A) Cassandra Clare 3. C) Vishnu Sharma 4. (A) R K Narayan 5. (B) Geetanjali

