



# THE TIMES OF INDIA

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STUDENT EDITION

THURSDAY, AUGUST 6, 2020



WEB EDITION

## SPLASHDOWN LANDING



**WHAT** The NASA and SpaceX's joint endeavour – the Crew Dragon, returned to the Earth on August 2, 2020 via a splashdown at sea

**HOW** The astronauts, Robert Behnken (Bob) and Douglas Hurley (Doug), made a splashdown landing in the Gulf of Mexico. Splashdown is a method of landing a spacecraft by parachute in a water body

### WHY IS IT SIGNIFICANT

- 1 Previous NASA space vehicles have returned to the Earth via airstrip landing, this was the first splashdown at the sea in 45 years
- 2 The return trip is an important part of the Crew Dragon's first flight
- 3 After the launch, the re-entry through the Earth's atmosphere is the second most dangerous phase of a spaceflight. The friction of air rushing past, heats the bottom of the capsule to about 3,500 degrees Fahrenheit
- 4 A successful conclusion to the trip opens the door to more people flying to space. Some companies have already announced plans to use Crew Dragons to lift wealthy tourists to space



### YOUR CAREER GUIDE

**Want to become an ISRO astronaut? Here's what is required**

- > One of the most important factors to become an astronaut is how well you are versed with the subject of astrophysics and other fields of sciences related to space
- > If you have a bachelor's degree, you can appear for an entrance exam, which is held by the NASA and ISRO

- > You should be at least 21 years of age, while applying
- > To be an astronaut, the eyesight of 6 by 6 is not enough. Your near and far vision must be 20 by 20 for each eye
- > The height requirement varies from aeronautical administrations to administrative administrations, though an average height required is from 5'2" to 6'2"

(Source: ISRO, NASA)

### DID YOU KNOW?

Earlier, the NASA space vehicle launches would culminate into landing at the Space Shuttle Landing Facility (SLF) at Cape Canaveral Spaceport. The space coast site has a 15,000-foot runway, a veteran of more than 130 Space Shuttle landings

### Is it safer to land on water than on land?

A spacecraft can return to the Earth safely in either environment. During the 1960s and 1970s, NASA's Mercury, Gemini and Apollo capsules all splashed down in the ocean, while Soviet capsules

ended their trips on land. Russia's current Soyuz capsules continue to make ground landings, as do China's astronaut-carrying Shenzhou capsules. The last water landing by NASA astronauts occurred in July 1975 at the end of the Apollo-Soyuz mission

### What do astronauts experience during a water landing?

Returning from the free-fall environment of the space orbit to the normal forces of gravity on the Earth is often disorienting for the astronauts. A water landing adds the possibility of sea-sickness.

## THIS DAY THAT YEAR AUG 6



**1926:** Gertrude Ederle from New York, at the age of 19, became the first woman to swim the English Channel, breaking the men's record by nearly two hours

**1945:** The United States dropped an atomic bomb on Hiroshima, Japan—the blast killed more than 70,000 people and destroyed most of the city—in an effort to hasten the end of the World War II

**1962:** After 300 years of the British rule, Jamaica became an independent country within the Commonwealth of Nations.

**1990:** The UN Security Council imposed economic sanctions on Iraq, ruled by Saddam Hussein, for its invasion of Kuwait, four days earlier.

**2012:** NASA's robotic vehicle Curiosity (also called Mars Science Laboratory) landed on Mars, and soon began transmitting images of the planet's surface

(Source: Britannica.com)

## NEWS IN BRIEF

CLICK HERE FOR MORE

### IIT, KGP researchers awarded for generating power from wet clothes

A group of researchers from IIT, Kharagpur has been conferred the 'Gandhian Young Technological Innovation Awards 2020' for developing a mechanism for generating electricity from wet clothes left under the sunlight to dry, a spokesperson of the institute said. Another team from the institute was separately granted the same award for addressing the problem of energy conservation and thermal management in wearable and flexible electronic devices.

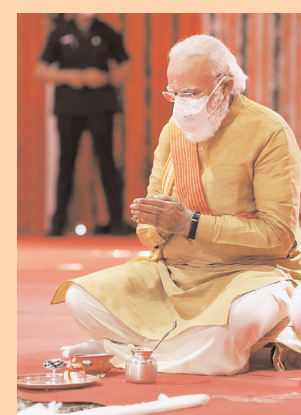
### INNOVATION



- > The device has been tested in a remote village, where around 50 wet clothes were left for drying by the washer men. These clothes were connected to a commercial super capacitor, which discharged electricity of around 10 volt. This stored energy is enough to glow a white LED bulb for more than an hour
- > "The clothes we wear are made from cellulose-based textile, which has a network of nano-channels. Ions in saline water can move through this interlace fibrous nano-scale network by capillary action, inducing an electric potential in the process," explained the researchers from the department of mechanical engineering

## Wait over, finally! Modi lays the first brick of Ram Mandir

PM Narendra Modi laid the foundation stone of the much-awaited Ram Mandir in Ayodhya on Wednesday



### THE PROPOSED TEMPLE

- > The temple will be 161-foot-tall, and almost double the size of what was originally planned, according to its architect.
- > The design was modified after the SC verdict in November on the 2.77 acre site claimed by both Hindus and Muslims, where the 16th century Babri mosque stood. The SC said the site would be handed over for a Ram temple and an alternative five-acre site would be given to Muslims.

Ram Mandir will become the modern symbol of our traditions. It'll become a symbol of our devotion, our national sentiment. This temple will also symbolise the power of the collective resolution of crores of people. It will keep inspiring the future generations

**NARENDRA MODI,**  
Prime Minister

## Students tie rakhis on trees with 'Save Environment' messages

Students in Moradabad celebrated Rakshabandhan in a unique way by tying rakhis on trees with messages like 'Save Environment' and 'Save Trees, Save Life'.

### ENVIRONMENT



This was done by the students in an attempt to raise awareness about the environment. Shilpi Saini, a student said, "Taking this opportunity to spread awareness about the environment, we are tying rakhi on the trees. With the messages, 'Save Environment' and 'Save Trees, Save Life,' we want to tell everyone about the benefits of the trees for the mankind." "With the rise in population, the trees are being chopped down. It is our responsibility to protect these trees; it helps our environment," said another student, Pushpanjali Singh

## Huge explosion rocks Beirut



A massive explosion rocked downtown Beirut on Tuesday, flattening much of the port, damaging buildings and blowing out windows and doors as a giant mushroom cloud rose above the capital. The cause of the blast was not immediately known. It was shocking even for a city that has been shaken by civil war, suicide bombings and bombardment by Israel.

## BESTSELLERS ON NYT LIST

**THE ONE AND ONLY BOB** by Katherine Applegate. Illustrated by Patricia Castelao. In this sequel to 'The One and Only Ivan', Bob sets out on a dangerous journey in search of his long-lost sister.



**WONDER** by R J Palacio. A boy with a facial deformity starts a school



**DIARY OF AN AWESOME FRIENDLY KID** by Jeff Kinney. Greg's best friend Rowley Jefferson writes his own diary



**WINGS OF FIRE: LEGENDS: DRAGONSLAYER**, by Tui T Sutherland. Ivy, Leaf and Wren fight for the survival of the human race against the dragons



**A TALE OF MAGIC...**, by Chris Colfer. In a world, where magic is outlawed and women are forbidden to read, Brystal Evergreen defies the odds



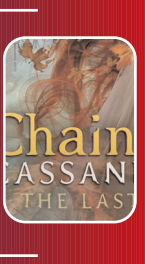
**AVATAR, THE LAST AIRBENDER: THE SHADOW OF KYOSHI** by FC Yee. Kyoshi must stop a mysterious threat that emerges from the Spirit World



**HAWK** by James Patterson. Ten years after Maximum Ride, a new hero emerges in a post-apocalyptic New York City



**CHAIN OF GOLD** by Cassandra Clare. Cordelia battles demons in a quarantined London, unlike things, she's encountered before



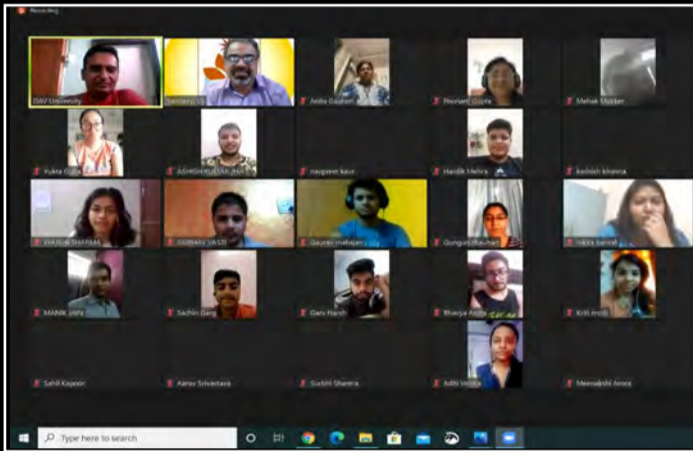
**CLAP WHEN YOU LAND** by Elizabeth Acevedo. Unknown to each other, two sisters meet, when their father dies in a plane crash



## 'DIGITAL MARKETING THE NEED OF THE HOUR'

**D**AV Public School, Sector-14, Faridabad organised an online workshop in association with DAV University, Jalandhar on 'Digital Marketing' for the outgoing batch of class XII (2019-20), under the able guidance of the Principal Anita Gautam. The workshop was conducted by Dr Sandeep Vij, Professor in Department of Commerce and Business Management at DAV University, Jalandhar and Dr Girish Taneja who is a Professor in Marketing Management at Department of Commerce at DAV University, Jalandhar.

Girish Taneja elucidated on the fact that just like while opening a store, location matters a lot, similarly using the digital marketing platform a business could roll up globally and bring customers at its doorstep because digital marketing knows no geographical boundaries.



He also added that digital marketing has grown multi-folds since India has been hit by corona as people want everything to be delivered at their doorstep. It is now easy to market a business digitally than traditional methods. He made us think about advertising on YouTube instead of television, on blogs instead of magazine, on social media instead of flyers and pod-

casts instead of radio. He also gave a demonstration to the students about advertising products on amazon and being at the top of the search engine which would inadvertently help in increasing sales. Dr.Sandeep Vij generously answered the queries of the students and guided the students about various courses offered by D.A.V.University, Jalandhar.

## Virtual Pi Fest "Spectrum 2020"

**B**osco Public School, Paschim Vihar, celebrated Pi Approximation Day virtually by organizing a virtual interschool competition. Although the schools were closed for an uncertain period due to the Coronavirus pandemic still the educators put incessant efforts to make the teaching-learning process effective and engaging through virtual classes, online interactions and competitions. The school organised a plethora of activities to make the children understand the importance and significance of (Pi) on this special day. Various activities like Recital of value of Pi, Maths Olympiad related to Pi, Pi Crafting (Best Out of Waste), Pi Symposium, Pi Cuisine Culture, Pi Fashion Facio were conducted virtually for classes III to XII. Various schools of Delhi participated in this interschool competition.

The students of various schools participated in this Inter-School Competition by using mobile phones, laptops, desktops and tabs. They showed their spectacular performances through video conferencing, presentations, videos, photographs, graphics etc.

Their activities were assessed by the judges through online invigilation, video conferencing and the entries received through e-mails.

All the position holders of the Inter-School Competition were conferred with e-certificates of merit and their pictures were published on the school Facebook Page. Participation e-certificates were awarded to all the participants. Visionary School Head Rajiv Duggal and Dynamic Vice Principal, Priya Handa congratulated the participants and Bosco team for their efforts and hard work. The Virtual Pi Fest - "Spectrum 2020" gave a new learning experience to the students.

**Students participated in this Inter-School Competition by using mobile phones, laptops, desktops and tabs.**

### POEM WELL SOON

The nights were lonely now the days are too. Humans have been captured like animals were in zoo.

Birds are flying but children are crying. Oh dear god, why everything is dying.

I pray to you that it will be well soon everything be normal and we can walk again at noon.

Take away the mask, let us be free I promise to be good and be as giving as a tree.

ANVI, De Indian Public School Rohini

## Yogic way of life



**S**h SN Sidheshwar Sr Sec School, Sector 9A, Gurgaon observed International Yoga Day with the theme based on the campaign started by The Ministry of Ayush - 'Yoga at home, Yoga with family'. Due to the spread of contagious Covid -19, students and parents were encouraged to practise yoga at their homes. Some teachers connected themselves with the students and their families and demonstrated Asanas and Pranayam through online sessions.

Majority of the students and teachers participated in the yoga session which was broadcasted on television. Huge participation of the Sidheshwar students was also observed during the live session organized by Fit India Mission. Sangita Sabarwal, the school principal expressed that pandemic has shown the importance of



## Environment Week Celebration

Students of Ryan International School Noida celebrated environment week.

A weeklong celebration involved students of all age groups opening up to new vistas for ensuring a clean, virtuous and prudent environment. Slogan writing, bag making with old papers, planting a sapling, recitation of self-composed poem and poster making were incorporated in this green celebration.

The Principal of the school Sumita Mukherjee pins her hope that Ryanites will be the messengers who will spread the message of reducing pollution.

They will embellish Mother Earth with a green and clean environment and give her a new lease of life.



PIHU DHEER, Modern Era Convent, Janakpuri

## Virtual Musical Evening

As the nation adjusts to the new reality of life under self-quarantine in the midst of the coronavirus pandemic, Delhi City School, Rohini (in association with Abhinav group of schools) organised a virtual musical evening to share some musical joy. The event was addressed by school chairperson Dr KK Bansal, Director Dr Vijayshri Mittal and Principal Dr Neeta Kohli inspiring the students to become motivated learners and recognise their potential.

The program started by seeking the blessings of Lord

Ganesha. The show proceeded with spectacular dance performances showing up different elements of western and folk culture.

A little wonder chef refreshed the virtual audience with a refreshing drink 'Mint mojito' recipe. Awareness about the pandemic coronavirus was spread through this virtual platform by the help of poetry. Further to enlighten the mood of the audience song was sung by a student of the hobby class. Everyone complimented the students on their hard work and dedication, they enjoyed, laughed and were amazed by the incredible talent on display.



## Shine bright on OTT

**A**t a time when big-ticket feature films are vying for online releases, a 28-minute short film, 'Sahir' (Directed by Anirudh Duggal, Producer & Main Lead - Shreyansh Pratihari, Music by Raghav Chadda, Dialogues and supporting actor Shivang Mishra, Other supporting actors - Aryan Singh Bisht, Shubh Soni) made by students and alumni of DLF Public School, Ghaziabad under the mentorship of their Theatre teacher Devashish Tandon, 'Sahir' is creating waves at Disney+ Hotstar.

"The Machinist, the popular psychological thriller has been the inspiration behind



the film. This film highlights how mental illness can affect the way a person thinks, acts, expresses emotions, perceives reality, and relates to others.", says Shreyansh. At DLF, there is something for every child. We want to help our students discover their passion and find a career that they can enjoy. Performances and success of these Delfites at such a huge platform give us another reason to celebrate. My best wishes are always with these rising stars for their present and upcoming successes", shared Executive Director of the School, Dr Mrignaini.

## Red Roses Artists bring laurels

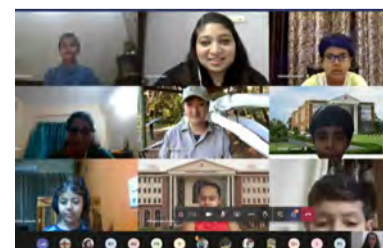
**S**tudents of Red Roses Public School, Saket participated in a poster making competition organized by the Action Committee of Unaided Public Schools on the theme -'Corona is a big challenge but we will overcome it'.

Debosmit Sarkar, IX did Red Roses proud by winning the top position in the senior category. Pradyun Biswal IX, Yuvika Rajoria VII, and Aarohi Gupta bagged the consolation prizes in the Senior, Junior and Sub-Junior categories respectively. All the participants were awarded e- certificates by the Action Committee.



## Teleporting in the age of pandemic

**S**uncity School, sec 37 Gurgaon decided to make the best of the virtual platform. Class V students along with the faculty enjoyed the informative virtual trip to the MacKerricher State Park, California.



Katherine Gabrielson, a member of the US Marine Corps and an interpreter, took teachers and students through the tour explaining the habitat and adaptations of the Harbor Seals. The virtual tour was a part of the Marine Mammals Adaptations Ports Programme. Katherine works passionately to protect the Harbor Seals in their natural habitat and Suncitizens surely enjoyed their rendezvous with them.