

## Mount Literans from Jajpur qualify the IIT !



***“Nothing in this world is impossible even the word itself says” I’m Possible”***

We the Mount Literans of Jajpur are feeling proud enough to announce that our dearest students Debasish Tudu bearing Roll No. 5069245 with Rank: 917 and Biranchi Narayan Dhir bearing Roll No. 5065031 with Rank: 217 have achieved the apex of the glory by making themselves qualified in IIT. Unfurled the flag of success on the podium of time. They have not only added feathers of success to their crown but have set an example for others. We congratulate them from our core of heart and wishing them a bright future ahead.

All Members  
Mount Litera Zee School, Jajpur



## HOPE and PATIENCE Pays....

We have been passing through, one of the most trying times of our life, the Covid, threat of war, overall slow down, closed business and educational institutions, unemployment on the one hand and resultant depression, anxiety, sense of emptiness and other behavioural problems on the other.

We started the fight in a different mode. Remember? We started spending time on our health and trying our hands on skills of constructive nature. Suddenly, after the first unlock was announced, we lost the track. Now, we are trying to get back to our normal lifestyle. We are behaving as if there is nothing to worry or as if, we are ready to face the consequences.

We can not remain under alert against a threat for longer duration. Probably, this is human nature. But, we have to be cautious, prudent and positive to fight the situation.

In my opinion, we should review our activities and mend them towards more safe and positive aspects instead of jumping into the frying pan.

No doubt, economy has to open, activities have to be resumed, institutions have to reopen. But, we

can always be a little selfish and care for our own good. We can always care for our health, hygiene, immunity and safety along with our commitments and responsibilities. We have to adopt new rules for life and livelihood. We have to be innovative in finding safer alternatives for our future. We can not afford to give up by becoming careless or remain inactive. We have to get up and start moving with all the precautions and safety towards positivity.

Now, we are better equipped with the ways and means of safety as well as the medical infrastructure and information, we need to have a little patience and still avoid travelling, eating out, gathering and roaming around. Instead, we should use the facilities of unlocking in a restrained manner. We should take all precautions and continue to be careful of our health and safety. Mind it, doctors are not available easily neither hospitals are readily accepting patients.

The need of the hour is to be cautiously active with a positive mind set. We shall surely fight out the rough weather and sail to the safer tomorrow.

With all good wishes of a brighter future. -

Mr. Bhushan Kumar  
Regional School Director, North India



### ***A Certain Ambiguity - A Mathematical Novel. - Book Review***

***A Certain Ambiguity=A Mathematical novel by***

***[Gaurav Suri + Hartosh Singh Bal]; Publisher Penguin / Viking; Pages 281***

“Teaching Mathematics, like teaching any other art requires an ability to inspire the student. Inspiration requires marketing and marketing requires stirring communication.” These lines from the novel ‘A Certain Ambiguity-a Mathematical novel’ stayed in my mind long after I had finished the novel. As an individual who grew up fearing and dreading the subject, the statement renewed memories of the dull and boring Mathematics lessons that I used to have in schools. But the fascinating aspects presented in this feast had me “asking for more” like Oliver Twist. By the end of the novel I could almost sense regret within myself for not having been able to see the beauty of this wondrous subject!

The novel not only brings out the fascinating aspects of Mathematics but also relates the concepts of Mathematics to the concepts of God, religion and faith. The journey of a young boy from his initiation into the fascinating world of numbers at the age of 12 till he decides to study mathematics with unbridled passion is the tree of this novel.

Around it is wound like a creeper the story of the boy’s Mathematician grandfather-how he was imprisoned for blasphemy, how he proved to the skeptical New Jersey judge that Mathematics and religion are both based on faith and neither one is a true science, how he helped the judge and through his story the boy to learn the historical development of Mathematics as a branch of Science.

The issues that troubled mathematicians of yore still rankle Mathematicians of today and the search to find the ultimate truth is on, just like the truth about God is still a never-ending mystery. The novel cleverly weaves history, religion, mythology and Mathematics into a magical tapestry.

*This book is a must read for every person, Mathematicians or otherwise, for not just the joy of reading, but also for the pleasure of Mathematics.*

**Ms. Priya Gopal**

Lead Monitoring and Evaluation,  
Content Hub





## Mahatma Gandhi



Let's listen about India's soul,  
Who played an important role,  
To gain Freedom was his goal,  
Who was rarest of rare gold.

Mahatma Gandhi was his name,  
Gujarat was place from where he came,  
He was born on October 2 -1869,  
Very very honest and very very kind.

He started with satyagrah,  
Then move towards the boycott,  
All the products of the British,  
Which were cheap but high of cost

Now started the Dandi March,  
Made for salt and not for starch,  
Walked about 385 kilometre,  
With 78 followers and himself as leader.

At last we got father of nation ,  
Not just that but also a leader ,  
One of remembered freedom fighter ,  
Who fought for countries bright future.

Though he is not with us today ,  
But still an Immortal being ,  
Who is remembered for his work ,  
By all the people day by day.

**Sanskriti Sonawane - IX B**  
Mount Litera Zee School,  
Sukeli Nagothane

## IT'S RAINING HEARTS

It's Raining Hearts,  
It's Storming Flowers;

We're In For Scattered,  
Stardust Showers;

It's Drizzling Chocolate,  
Pouring Pies;

We Might Be Seeing  
Candy Skies;

Of All The Weather  
there Could Be;

Plain Water Seems,  
A Waste To Me.

**GurSaaz Kaur**

Grade: V - A  
Mount Litera Zee School, Patiala





## Mount Litera Zee School, Patiala



Manasi Jain, Grade:V-A



Dev Dabrai, Grade:IV-B



Manasi Jain, Grade:V-A

## Mount Litera Zee School, Horemavu



Jaidev A, Grade:III

Sargam Karthikeya, Grade:VI



Jyosaika A, Grade:IV



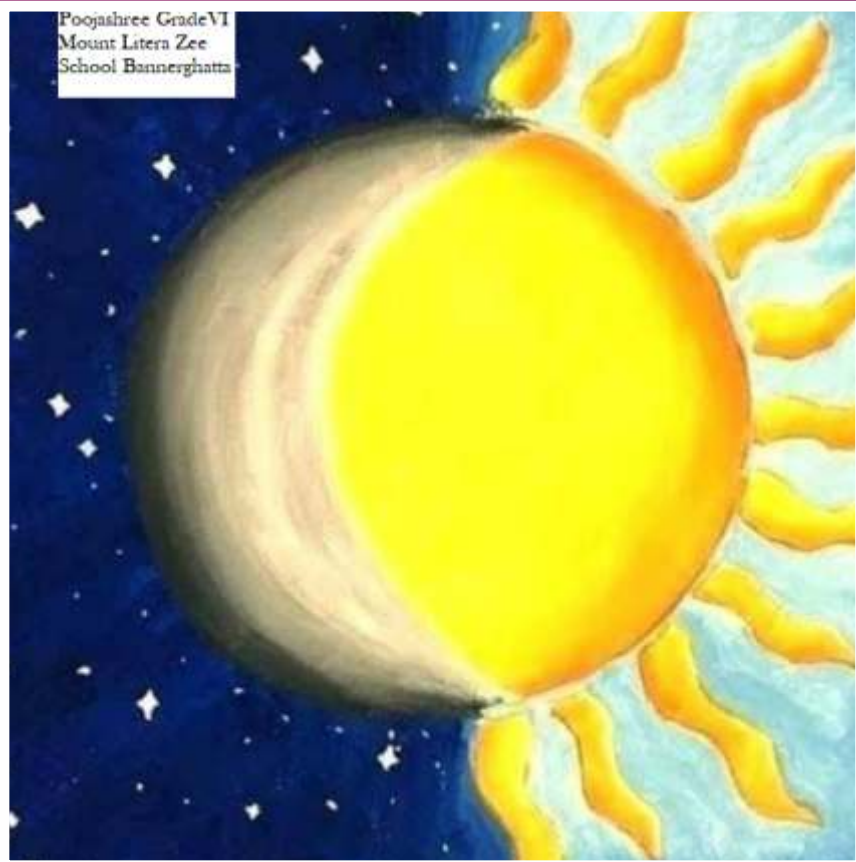
Sargam Chandrahas, Grade:III







## Mount Litera Zee School, Bannerghatta



Poojashree, Grade:VI



Suryansh, Grade:IV



Aayushi M, Grade:VII



## Mount Litera Zee School, Nagothane

Rahul Nath, Grade:IX





## “ Sunita L. Williams (Suni) ” Astronaut

**Sunita L. Williams (Suni)** was selected as an astronaut by **NASA in 1998** and is a veteran of two space missions Expeditions 14/15 and 32/33. She is currently training for the first post-certification mission of Boeing's Starliner spacecraft – the second crewed flight for that vehicle – and her third long duration mission aboard the International Space Station.

Williams and her crewmates are working closely with Boeing to develop their new spacecraft systems, which will provide roundtrip crew transportation services to the International Space Station and, along with SpaceX's CrewDragon, return the ability to launch humans into space from United States soil.

Personal Data:

Born September 19, 1965 in Euclid, Ohio to Dr. Deepak and Bonnie Pandya. Considers Needham, Massachusetts to be her hometown. Suni and her husband Michael enjoy hanging out with their dogs, working out, working on houses, working on cars, working on

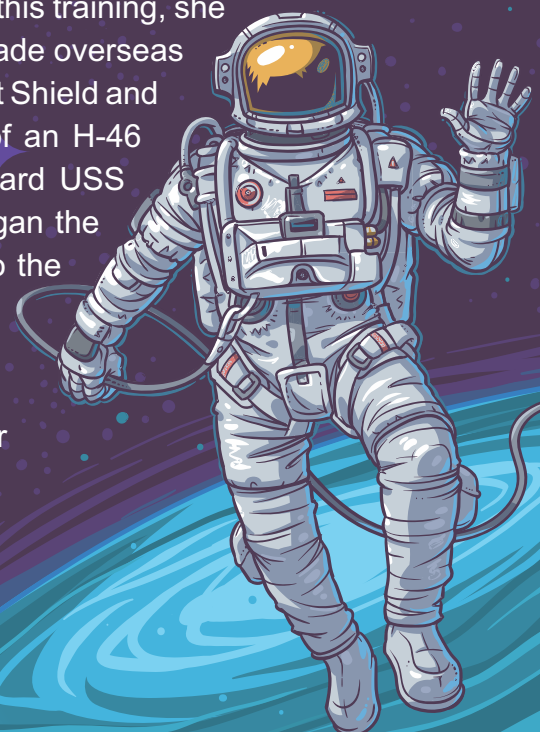
airplanes, hiking and camping.

### Education:

Needham High School, Needham, Massachusetts, 1983. Bachelor of Science in Physical Science, U.S. Naval Academy, 1987. Master of Science in Engineering Management, Florida Institute of Technology, 1995.

### Experience:

Williams received her commission as an Ensign in the United States Navy from the United States Naval Academy in May 1987. After a six-month temporary assignment at the Naval Coastal System Command, she received her designation as a Basic Diving Officer and then reported to Naval Aviation Training Command. She was designated a Naval Aviator in July 1989. She then reported to Helicopter Combat Support Squadron 3 for initial H46, Seaknight, training. Upon completion of this training, she was assigned to Helicopter Combat Support Squadron 8 in Norfolk, Virginia, and made overseas deployments to the Mediterranean, Red Sea and the Persian Gulf in support of Desert Shield and Operation Provide Comfort. In September 1992, she was the Officer-in-Charge of an H-46 detachment sent to Miami, Florida for Hurricane Andrew Relief Operations onboard USS Sylvania. Williams was selected for United States Naval Test Pilot School and began the course in January 1993. After graduation in December 1993, she was assigned to the Rotary Wing Aircraft Test Directorate as an H-46 Project Officer, and V-22 Chase Pilot in the T-2. While there, she was also assigned as the squadron Safety Officer and flew test flights in the SH-60B/F, UH-1, AH 1W, SH-2, VH-3, H-46, CH-53 and the H-57. In December 1995, she went back to the Naval Test Pilot School as an Instructor in the Rotary Wing Department and the school's Safety Officer where she flew the UH-60, OH-6 and the OH-58. From there, she was assigned to the USS Saipan (LHA-2), Norfolk, Virginia, as the Aircraft Handler and the Assistant Air Boss. Williams was deployed onboard USS Saipan when she was selected for the astronaut program. She has logged more than 3000 flight hours in over 30 different aircraft.





# Inspiring Legend

## NASA Experience:

Selected as an astronaut by NASA in June 1998, she reported for training in August 1998. Astronaut Candidate Training included orientation briefings and tours, numerous scientific and technical briefings, intensive instruction in shuttle and International Space Station systems, physiological training and ground school to prepare for T-38 flight training, as well as learning water and wilderness survival techniques. Following a period of training and evaluation, Williams worked in Moscow with the Russian Space Agency on the Russian contribution to the space station and with the first Expedition Crew. Following the return of Expedition 1, Williams worked within the Robotics branch on the station's Robotic Arm and the follow-on Special Purpose Dexterous Manipulator. As a NEEMO2 crew member, she lived underwater in the Aquarius habitat for 9 days. After her first flight, she served as Deputy Chief of the Astronaut Office. She then supported a long-duration mission as Flight Engineer for Expedition 32 and International Space Station Commander for Expedition 33. Williams has spent a total of 322 days in space on two missions; she ranks second on the all-time U.S. endurance list for females. With 50 hours and 40 minutes, she is second on the list of total cumulative spacewalk time by a female astronaut.

## Spaceflight Experience:

Expedition 14/15 (December 9, 2006 to June 22, 2007). Williams launched with the crew of STS-116 on December 9, 2006, docking with the International Space Station on December 11, 2006. As a member of the Expedition 14 crew, Williams served as Flight Engineer. While onboard, she established a world record for females with four spacewalks totaling 29 hours and 17 minutes. (Astronaut Peggy Whitson subsequently broke the record in 2008 with a total of five spacewalks). Williams concluded her tour of duty as a member of the Expedition 15 crew returning to Earth with the STS-117 crew to land at Edwards Air Force Base, California on June 22, 2007.

Expedition 32/33 (July 14 to November 18, 2012). Williams launched from the Baikonur Cosmodrome in Kazakhstan, along with Russian Soyuz commander Yuri Malenchenko and Flight Engineer Akihiko Hoshide of the Japan Aerospace Exploration Agency, on July 14, 2012. They were welcomed on the International Space Station on July 17, 2012, by NASA Flight Engineer Joe Acaba and Russian cosmonauts, Expedition 32 commander Gennady Padalka and Flight Engineer Sergei Revin. Williams spent four months conducting research and exploration aboard the orbiting laboratory. She landed in Kazakhstan on November 18, 2012, after spending 127 days in space. During their Expedition, Williams and Hoshide performed three spacewalks to replace a component that relays power from the space station's solar arrays to its systems, and repair an ammonia leak on a station radiator. With 50 hours and 40 minutes, Williams once again held the record for total cumulative spacewalk time by a female astronaut (has since been overtaken by Peggy Whitson with 10 spacewalks). In addition, Williams, who has spent a total of 322 days in space on two missions, now ranks sixth on the all-time U.S. endurance list, and second all-time for a female astronaut.

She is currently training for the first post-certification mission of Boeing's Starliner spacecraft – the second crewed flight for that vehicle – and her third long duration mission aboard the International Space Station.

## Awards/Honors:

Awarded DSSM (2), Legion of Merit, Awarded Navy Commendation Medal (2), Navy and Marine Corps Achievement Medal, Humanitarian Service Medal and various other service awards.

## Organizations:

Society of Experimental Test Pilots, Society of Flight Test Engineers, American Helicopter Association.







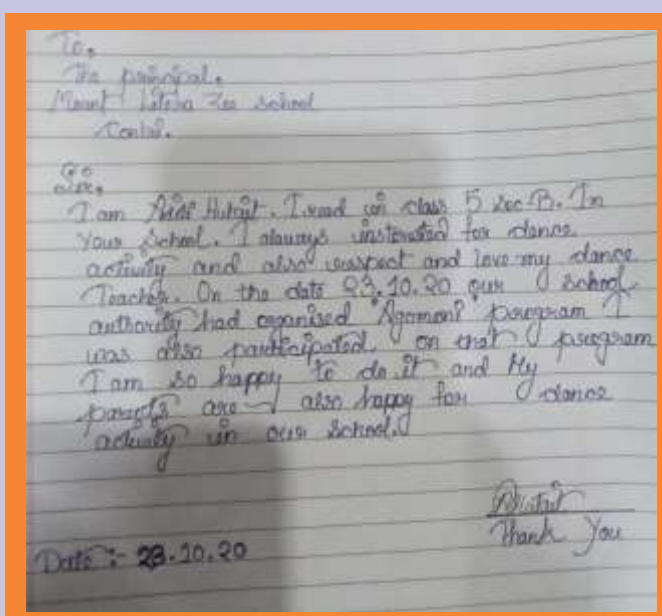
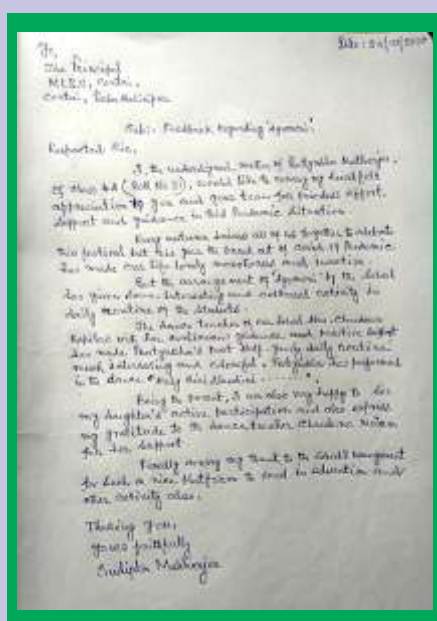
## REPORT ON THE CELEBRATION OF PRE-PUJA FESTIVITIES ('AGOMONI'), 2020

Agomoni is the advent of Parvati to her home not as a Goddess but as a daughter. Goddess Durga and her children are welcomed with songs as they descend onto the Earth to visit her parents' home. The "Agomoni" sows the seeds of the yearly Autumnal festival of Durga Puja in the hearts of every Bengali scattered through different parts of the world.

Despite the current uncertain times of the Covid 19 Pandemic, **Mount Litera Zee School, Contai** took the opportunity of "Agomoni" to spread the happiness and enthusiasm of the yearly celebration of the Durga Puja festival by making the students participate in some cultural activities relating to the "Welcoming the Goddess Durga and her children as they descend onto Earth". This was done by the students through the dance performance on some Agomoni songs. These videos were sent to the concerned teachers, collaged by the concerned people of the institution and uploaded onto the School's (Mount Litera Zee School, Contai) Facebook page.

The feedback and response received in Facebook speaks for the talent of the students and the success of this activity.

Submitted by Panchali Maity  
On the behalf of Cultural Committee  
22 October, 2020





## ADDITION OF ANOTHER WINNING SPREE

MLZS, Karnal participated in an Online drawing competition held on 02 September 2020 for Grades VI -X organized by Bharat Vikas Parishad. The theme of competition was 'Water is Life' which consisted of the message that water is essential for us. Under this program, all the participants had to make a poster on 'Water Conservation', in which all the participants revealed enthusiasm and made wonderful pictures. The students who bagged first, second and third positions are Anshita Kajal (VI A), Akshita Singh (VI A) and Kirtivardhan Singla(X). MLZS fraternity extends warm wishes to all the winners.



## AN ENLIGHTENING SESSION ON PUBERTY

Education plays a vital role in eliminating the myths and stigma associated with the stage of Puberty. Periods can make the young girls feel uncomfortable, but talking about them shouldn't. It has been found that girls face widespread shame, silence and physical restrictions during menstruation. MLZS, Karnal took a step forward to make the girls aware by hosting the online session for

them on 2ndSep, 2020. The session started with the introduction given by the Primary coordinator Ms. Yogita Bakshi and later was taken forward by the specialist. It was an informative session conducted by Dr. Tanu Goel, a renowned gynaecologist, who cleared the doubts of the girls and mothers related to mensuration. Overall, the session was fruitful and enlightening.





## DUSSEHRA CELEBRATION at MLZS, Palwal

Though locked down at home still the festive mode should always be tuned on. To celebrate the victory of good over evil, Dussehra was celebrated with the young learners of pre school.

A short skit on Ramayana was performed where the students were introduced with the characters of the play and a short story related to this was narrated by our coordinator Ms. Anamika. Students took great interest and participated well in the play. Keeping in mind the pandemic situation, there was a twist in the skit. Ravana a symbol of evil was related and symbolized with corona virus. Students were motivated and taught to fight and get rid of this virus Corona. Just as Ravan could not negatively affect the people and world forever, corona will also leave and we all will be safe and lead a happy healthy life again very soon



## SCIENCE WEEK - MLZS, Palwal

To celebrate the birth Anniversary of honorable APJ Abdul Kalam, the science day was organized in school. Students from grade Nursery to Sr. Kg performed different science experiments and learnt many concepts like soluble and insoluble, sink and float etc.. It was a great learning experience for them and each one participated with zeal and enthusiasm.

Grade 1 –Grade 9 made working and non-working projects to participate in the same. All projects were made keeping in mind the pandemic situation where the students used best out of waste. Were beautifully quoted with the explanation about the making and its working.

Hand sanitizer, wind mills, Vacuum cleaner, Drone, Rain Water Harvesting, volcanic eruption were the center of attraction . It is always pleasure to see students learning, growing and performing at this level.

WE can see lot of Mount Literians as creators growing with their creativity and proving it to the world.

Mount Literians reflected the core skill of creativity and imagination in alignment with the daily applications.





## TODDLERS OF MLZS, VIJAYPUR AND KALABURGI

“ Let the Blue sky,  
Meet the blue sea,  
An all is blue for a time.”  
- Moncy Barbous

A little splash of colour can brighten up the day and when it is colour day for preprimary children, the day is truly kaleidoscopic.

Blue colour signifies creativity. With an objective to introduce the concept of colors at an early age, virtual “Blue Day” was celebrated for the Pre-Primary

children of MLZS, Vijaypur and MLZS, Kalaburgi.

The teachers, parents and the students all dressed up in different shades of colour blue. A special blue corner with blue colour objects and balloons was created for the students to familiarize them with the colour. Pre-primary students had an amazing day filled with many activities like rhyme recitation, art and craft, Fun - with - Blue, palm printing and butterfly wall hanging.

The children were super excited to display the activity in their homes.





***“A day without a fruit is a day without a shine”***

Children learnt about different kind of fruits, their texture, taste and nutrition value. Teachers shared the recipe of fruit salad with the students and with the help of parents students prepared the salad. Teachers and the students relished fresh fruits found the salad to be sumptuous and delectable.

It was indeed a fruitful day !





## VIRTUAL SANDWICH MAKING ACTIVITY - MLZS, Kalaburagi

To reinforce healthy eating habits, 'Sandwich Day' was celebrated as an online class activity. Children had loads of fun preparing tasty sandwiches independently, guided virtually by the teachers.

Students participated enthusiastically, they enjoyed preparing sandwiches for the family as well. Teachers made them understand the importance of healthy eating and not to eat Junk food.







## WORDS OF THE MONTH

A mind popping revelation for you all in this edition of The Literati ....are the words in English that have been "looted" from many regional languages of India such as Oriya, Tamil, Hindi and many more .....

*Here are few of them*

1. **Bangle** : have originated from Hindi word " Bangri"
2. **Avatar**: it means incarnation (or could refer to an 'icon or a figure representing a particular person in a computer game, Internet forum, etc') owes its roots to the Sanskrit word avatara.
3. **Juggernaut** : Juggernaut, which in English, is another word for 'a huge, powerful, and overwhelming force' takes its inspiration from Lord Jagannath, an incarnation of Krishna, whose image is paraded through the streets of Puri, Odisha, in a chariot under which devotees threw themselves.  
  
Juggernaut, therefore, can also mean a large, heavy vehicle, like a lorry.
4. **Punch** : The Oxford English Dictionary website kindly tells us that punch, the drink from juices and/or spirits has been in usage since the mid 17th century. Its roots can be traced back to the Sanskrit panca which literally means 'five or five kinds of' (because the drink had five ingredients).
5. **Loot** : Loot, which as a noun means stolen money or valuables, and as a verb acts as a synonym for steal, comes from the similar-sounding Hindi word loot which, as we know, means 'to rob'!
6. **Dacoit** : And we wind up with dacoit, who would have for the rest of her/his life been called a bandit if it hadn't been for the Hindi word dakait! :-)

Should it be a surprise that the derivation of dacoity should also owe its roots to the Hindi derivation, dakaiti?

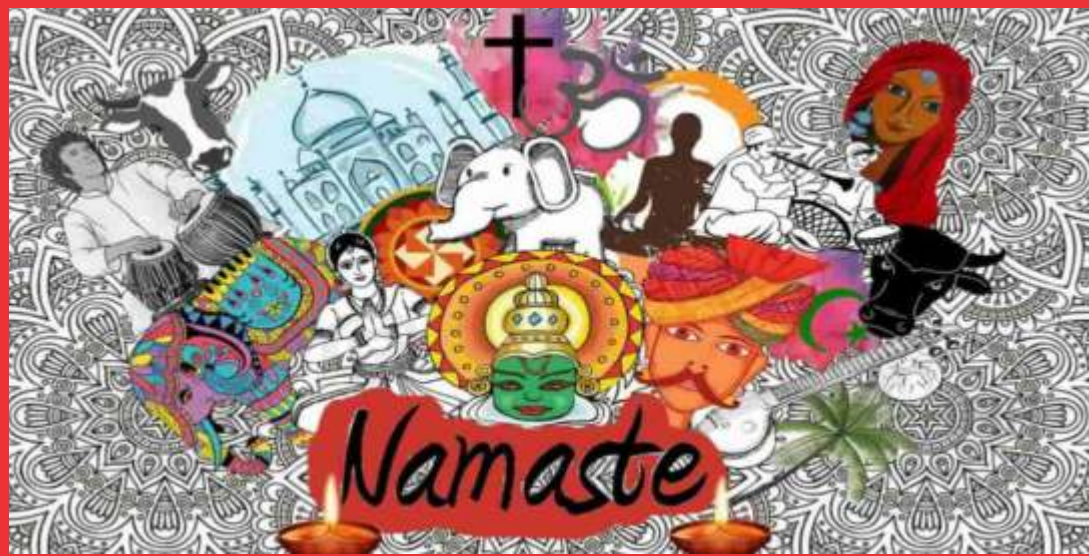


**Name: Aradhy Lahoti, Class 3**

**Mother: Deepika Krishna Gopal Lahoti**

## **TOPIC-IMPORTANCE OF OUR CULTURE**

Indian culture is one of the age old culture In the world established around 5,000 years ago. The supremacy and diversity of Indian culture cannot be denied. There's a common buzzword for India- "Unity In Diversity " which implies that India is a diverse. and huge country.



## **Importance of culture**

- The Culture values of a community give it an identity of its own. A community gains a character and a personality of its own, because of the culture of its people.
- Culture is shared by the members of a community.
- It is learned and passes from the older generation to another, it has to be translated into symbols.
- Language, art and religion serve as the symbolic means of transfer of cultural values between generations.
- Culture is a bond that ties the people of a religion or community together.
- It is that one common bond, which brings the people of a community together. The customs and traditions that the people of a community follow, the festivals they celebrate, the kind of clothing they wear, the food they eat, and most importantly, the cultural values they adhere to, bind them together.
- Culture is seen as a system of social control, wherein people shape their standards and behavior. The cultural values from the founding principles of one's life. They influence one's principles and philosophies of life. They influence one's way of living and thus impact social life.





# Accolades and Achievements

## MLZS, Behrampur student bags award at Vidyarthi Vigyan Manthan



Ms. Sangeetha Shenoy and Ms. Mamta Chandra from MLZS, HSR Bangalore have received the Top 50 Effective Principal Award from Education Today.





# Accolades and Achievements

## Heartiest Congratulations!!!!!!

Great teachers deserve great rewards, and nothing is more effective than praise and recognition in the form of an award. Mrs. Rachna Gupta, the senior Hindi teacher and Co-ordinator of Mount Litera Zee School, Karnal was conferred an award by the Madhubun Educational Books for her specific contribution to Hindi teaching. Mrs. Rachna was honoured with a memento and a certificate.

As a part of the 'Hindi Divas - 2020', Madhubun Educational Books organized the event virtually on 14 September. Shri. M. Venkaiah Naidu, the Vice President of India was the chief guest. Expressing happiness over the importance given to mother tongue in NEP-2020, the Vice President called for providing education in mother tongue for inclusive education. To increase goodwill, love and affection among the citizens, Shri Naidu suggested that students from non-Hindi speaking states should learn Hindi and the students from Hindi speaking states should learn one more Indian language such as Tamil, Telugu, Kannada etc..

The award ceremony was held where chosen teachers were felicitated for their contribution in the field of education. Mr. Naveen Rajlani, CEO, Madhubun Educational Books, Prof. Usha Sharma from NCERT, Prof. Saroj Sharma from Indraprastha University and Prof. Pawan Sudhir from NCERT were among the dignitaries present on the occasion.







## INTERNATIONAL NEWS

### UN's World Food Programme wins Nobel peace prize

Organisation wins prestigious award for efforts to combat hunger in war-hit areas

The World Food Programme (WFP) has won the 2020 Nobel peace prize for its efforts to combat hunger and to improve conditions for peace in conflict areas.

The chairwoman of the Norwegian Nobel committee, Berit Reiss-Andersen, revealed the 2020 laureate at the Nobel Institute in Oslo, where coronavirus restrictions drastically reduced the usual throng of reporters in attendance.

Reiss-Andersen said the committee gave the award to the WFP because it wanted to “turn the eyes of the world to the millions of people who suffer from or face the threat of hunger”. Hunger, she said, was used as a “weapon of war and conflict”.

The award was also a call to the international community to fund the UN agency adequately and to ensure people were not starving, she said. She said the WFP would have been a worthy recipient of the prize without the coronavirus pandemic. But the virus had strengthened the reasons for giving it to the WFP, including the need for “multilateralism” in a time of global crisis.

“It’s a very important UN organisation. The UN plays a key role in upholding human rights,” she said, adding: “Food is one of our most basic needs.”

In its citation, the committee praised the WFP for its “efforts for combating hunger” and its “contribution to creating peace in conflicted-affected areas”. The agency acted “as a driving force in efforts to prevent the use of hunger as a weapon of war and conflict”, it said.

The WFP responded by tweeting its thanks, adding: “This is a powerful reminder to the world that peace and #ZeroHunger go hand-in-hand.”

This year, 318 nominees were known to be under consideration, 211 individuals and 107 organisations.

Other figures who were considered in the running for this year’s prize included the 17-year-old Swedish climate activist Greta Thunberg, the Russian dissident and opposition leader Alexei Navalny, recovering from a nerve agent attack he blames on the Russian president, Vladimir Putin, and the World Health Organization for its role in addressing the coronavirus pandemic.

The US president, Donald Trump, has said he should have won last year’s peace prize, which went to Ethiopia’s prime minister, Abiy Ahmed after he forged a peace deal with Eritrea.

Trump has been nominated for the 2021 prize, the White House says, for brokering an accord that resulted in the UAE and Bahrain normalising relations with Israel.

Reiss-Andersen, who arrived at the ceremony in Oslo city hall on crutches, made no mention of Trump. But she said the UN’s “universalism” and its work for human rights everywhere was in contrast to the “populism” and “nationalistic politics” prevalent in some countries.

One hundred Nobel peace prizes have been awarded since 1901, to individuals and 24 organisations. While the other Nobel prize laureates are announced in Stockholm, the peace prize is awarded in the Norwegian capital, Oslo.

Along with enormous prestige, the prize comes with a 10m kronor (£870,000) cash award and a gold medal to be handed out at a ceremony in Oslo on 10 December, the anniversary of the prize founder, Alfred Nobel’s death. This year’s ceremony will be scaled down due to the pandemic.



Nominations can be made by a select group, including national lawmakers, heads of state and certain international institutions.

On Monday, the Nobel committee awarded the prize for physiology and medicine for discovering the liver-ravaging hepatitis C virus. Tuesday's prize for physics honoured breakthroughs in understanding the mysteries of cosmic black holes, and the chemistry prize on Wednesday went to scientists behind a powerful gene-editing tool. The literature prize was awarded to the American poet Louise Glück on Thursday for her "candid and uncompromising" work.  
(Source: The Guardian)

## SCIENCE NEWS

### 'Seven different forms of mild Covid-19 identified'

Scientists have shown that there are seven "forms of disease" in mild Covid-19, and that the novel coronavirus infection leaves behind significant changes in the immune system.

Scientists have shown that there are seven "forms of disease" in mild Covid-19, and that the novel coronavirus infection leaves behind significant changes in the immune system even after 10 weeks, findings which may aid in the treatment of patients, and in the development of a potent vaccine.

The study, published in the journal *Allergy*, involving 109 recovered Covid-19 patients and 98 healthy individuals in the control group, showed that various symptoms related to Covid-19 occur in groups.

In the research, scientists, including those from the Medical University of Vienna in Austria, identified seven groups of symptoms including "flu-like symptoms" with fever, chills, fatigue and cough, "common cold-like symptoms" with rhinitis, sneezing, dry throat and nasal congestion, and "joint and muscle pain".

They said patients may also experience "eye and mucosal inflammation" symptoms, "lung problems" with pneumonia and shortness of breath, "gastrointestinal problems" including diarrhoea, nausea and headache, and "loss of sense of smell and taste and other symptoms".

"In the latter group we found that loss of smell and taste predominantly affects individuals with a 'young immune system,' measured by the number of immune cells -- T lymphocytes -- that have recently emigrated from the thymus gland," said Winfried F. Pickl, a co-author of the study from the Medical University of Vienna.

"This means that we were able to clearly distinguish systemic (groups one and three) from organ-specific forms (groups six and seven) of primary Covid-19 disease," Pickl said.

From the analysis, the scientists established that Covid-19 leaves behind long detectable changes in the blood of recovered patients, very similar to a fingerprint.

Citing an example, they said the number of granulocytes, which are otherwise responsible in the immune system for fighting bacterial pathogens, is significantly lower than normal in the Covid-19 group.

"However, both the CD4 and CD8 T cell compartment developed memory cells and CD8 T cells remained strongly activated. This indicates that the immune system is still intensively engaged with the disease several weeks after initial infection," Pickl explained.

According to the researchers, increased levels of antibody-producing immune cells were detected in the blood of recovered patients.

The higher the fever of the affected patient during the mild course of the disease, the higher were the antibody levels against the virus, they said.





“Our findings contribute to a better understanding of the disease and help us in the development of potential vaccines, since we now have access to promising biomarkers and can perform even better monitoring,” the scientists said.

“Above all, the study shows that the human immune system “doubles up” when defending against Covid-19 with the combined action of immune cells and antibodies,” they noted.

According to the study, the immune cells are also able to memorise certain “moves” on the part of the virus and respond to them. “Now it is a matter of implementing these findings and using them for the development of highly-effective Covid-19 vaccines,” the researchers said.

(Source: Hindustan Times)

## SPORTS NEWS

Judo is a Priority Sport For India: Sports Minister Kiren Rijiju

Kiren Rijiju said the government is working with the national federation of the game in creating a strong talent pool keeping in mind the 2024 and 2028 Olympics.

Insisting that judo is a priority game for India, Sports Minister Kiren Rijiju on Monday said his ministry would leave no stone unturned in providing all assistance to the country’s judokas in their bid to qualify for next year’s Tokyo Olympics. Also Read - Just The Beginning of my Career, Need to Improve on Many Aspects: India Hockey Midfielder Vivek Prasad

Rijiju said the government is working with the national federation of the game in creating a strong talent pool keeping in mind the 2024 and 2028 Olympics.

The minister made the statements during a meeting with the members of the Indian judo team at his residence here ahead of their departure to Hungary for the Budapest Grand Slam which is an Olympic qualification event, to be held from October 23 to 25. The contingent comprises five judokas and coach Jiwan Sharma.

“The team is leaving for Hungary today and I am hopeful that some of the athletes will qualify. Judo is a priority sport for us and we will enhance capacity both in terms of training facilities and coaches,” Rijiju said.

“The idea is to extend full support to the elite athletes while building up a talent pool of young athletes who can compete in the Olympics of 2024 and 2028. We will discuss a more exhaustive roadmap with the federation and plan ahead.”

This will be the first tournament for the the Indian judokas since the nationwide lockdown was imposed due to the coronavirus pandemic.

Indian men judoka Jasleen Singh Saini, ranked 56 in the world and a good prospect to qualify for next year’s Olympics, said, “I am feeling very positive after meeting the Sports Minister. He spoke to us and shared his knowledge which is really helpful.

“This will be the first tournament we will be playing after the Covid lockdown. We used to play every month earlier, so it is really good to be playing again.”

Around 645 competitors from 81 countries will be participating in this tournament and the contingent is excited to be back in action in competitive sport after such a long break.

Sushila Devi, the highest ranked Indian women judoka at world no 41, said, “This is the first time we have met the Sports Minister and he is really doing a lot for sports in India so with his encouragement, we are feeling very motivated.”

(Source: India.com)



## FIND THE DIFFERENCE



Dear Mount Literans

Send in your picture story/article on any topic of your choice ( Max 500 words) and get a chance to be featured in " The Literati"

mail us at  
[theliterati@mountlitera.com](mailto:theliterati@mountlitera.com)

## TONGUE TWISTER

Peter Piper picked a peck of pickled peppers  
 A peck of pickled peppers Peter Piper picked  
 If Peter Piper picked a peck of pickled peppers  
 Where's the peck of pickled peppers Peter Piper picked?

## WORD SEARCH

### Biology, Cells

I	K	Y	S	E	T	O	Y	R	A	K	O	R	P
L	P	M	C	H	L	O	R	O	P	L	A	S	T
R	O	S	M	S	E	M	O	S	O	B	I	R	L
L	T	C	E	L	L	M	E	M	B	R	A	N	E
L	Y	S	O	S	O	M	E	S	L	C	E	L	C
V	M	S	A	L	P	O	T	Y	C	A	O	S	E
N	I	T	A	M	O	R	H	C	O	M	C	S	E
L	O	B	C	I	L	I	A	M	Y	C	Y	O	U
I	L	M	I	T	O	C	H	O	N	D	R	I	A
S	L	C	E	L	L	W	A	L	L	A	E	R	C
I	E	L	O	U	C	A	V	T	S	O	A	O	C
M	M	T	N	S	E	T	O	Y	R	A	K	U	E
C	E	N	T	R	I	O	L	E	S	C	T	A	E
O	O	R	U	R	S	U	L	O	E	L	C	U	N

CHROMATIN  
 NUCLEOLUS  
 PROKARYOTES  
 CHLOROPLAST  
 CELL WALL  
 CELL MEMBRANE  
 EUKARYOTES  
 MITOCHONDRIA  
 CILIA  
 VACUOLE  
 RIBOSOMES  
 CENTRIOLES  
 CYTOPLASM  
 LYSOSOMES

Play this puzzle online at : <https://thewordsearch.com/puzzle/3188/>