



THE SCHOOL CONNECT



Vol.III | Issue 7 | December, 2019

THE ACCLAIMED AWARDS AND RECOGNITIONS

The month acclaimed several new achievements in Bal Bhavan's account, with many new accreditations and appraisals. The school received the prestigious accreditation from **British council as an International school for a period of 2019-2022** for integrating International Learning in its Curriculum. The award received was an outcome of a year efforts and interfaces under which the school interacted and associated with schools abroad and entered into joint ventures as per certain approved action plans incorporating global dimensions to them. The keen associations and involvement of school and its associates was duly appreciated in the scheduled award function.

The school also ranked itself 5th in East Delhi Challengers in Times Survey. The school received a due credit for the same. The school's growth chart certainly claims a rising graph depicting its growth in the frontiers of technology and education.

Yet another achievement of the school is worth a mention, where **school is ranked 7th in Delhi and 20th in India for its exemplary contribution in the field of education by Education today**. The prestigious acknowledgement eulogized school's everyday involvement and efforts in upgrading its systems in terms of education and comforting all possible resources for its propagation.



International School Award 2019-22



ISA TEAM - "Faces who made it possible"



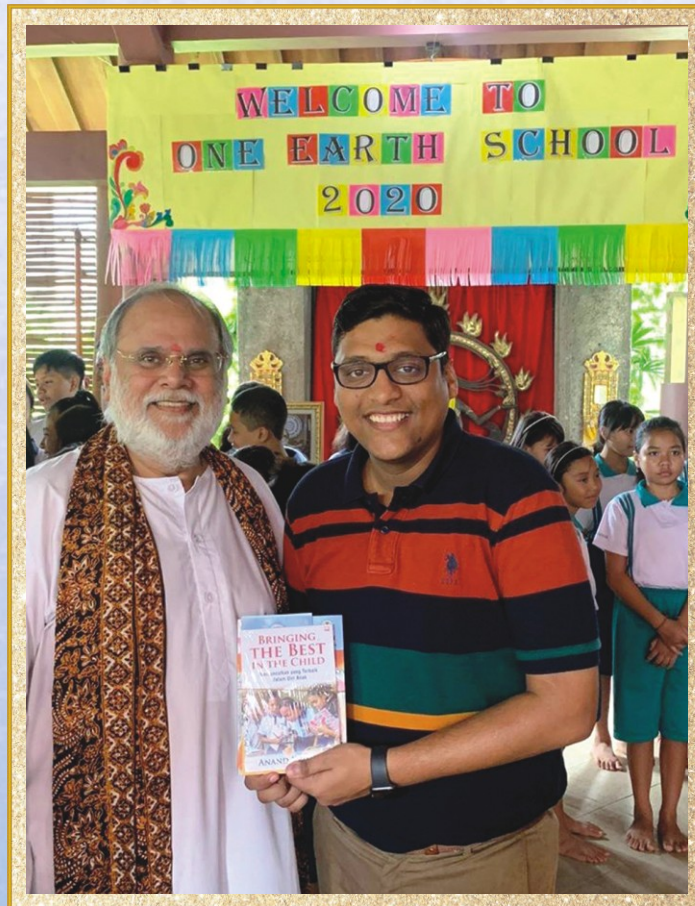
School ranked 7th in Delhi and 20th in India for its exemplary contribution in the field of education by Education today



School ranked 5th in East Delhi Challengers in Times survey

BALI EDUCATIONAL EXCHANGE PROGRAM

"We must try to expand the boundaries of human wisdom, empathy and perception, and there is no better guide than the nature itself"



Our Eduleader, Mr. Vividh Gupta visited to "One Earth School" during Bali Education Exchange Program. The visit provided an opportunity to learn about the "Best Educational Practices" followed around the world for overall development of children. Located in the midst of Mother Earth, #OneEarthSchool is founded by Swami Anand Krishna with a vision "One Earth, One Sky, One Humankind". Going by the very vision shared by the founding fathers of our school, this institution aims to build the character of the next generation that will grow holistically by being able to cultivate the wisdom of the past whilst facing globalization's challenges wisely, without losing their own identities.

The visit encouraged our Edu Leader to develop an integrated approach inspired by the founder Swami Anand Krishna, in which the purpose of education is not only to create job seekers but to bring out the best in every child thereby connecting the people of the world by establishing comprehensive relationship amongst students and nature, thus ensuring sustainable development in its true sense.

W Willing to Learn **I** Innovate & Create **N** Nothing is Impossible **G** Go ahead & Grab it!!! **S** Sky is the Limit

Your **WINGS** already exist all you have to do is **FLY**

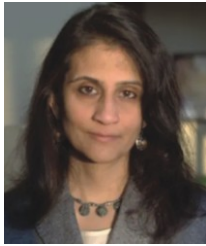
India and The World

Gen. Bipin Rawat named as Country's First Chief of Defence Staff



Indian Army General Bipin Rawat named as the country's first Chief of Defence Staff (CDS). Chief of Defence Staff will be a 4-star General, the principal military advisor to the defence minister, and will head the new Department of Military Affairs. Chief of Defence Staff ensures the jointness in training, logistics, and procurement of the three services. General Rawat is the first officer to hold the post of the Chief of Defence Staff.

Monisha Ghosh named as first woman CTO at FCC in US



Indian-American Dr Monisha Ghosh appointed as the first woman Chief Technology Officer at the US government's powerful Federal Communications Commission (FCC) She will advise Indian-American Chairman of the FCC Ajit Pai and the agency on technology and engineering issues, and work closely with the Office of Engineering and Technology. Ghosh will take charge on January 13 next year.

Shiv Das Meena appointed as Chairman of Patna Metro Rail Corporation



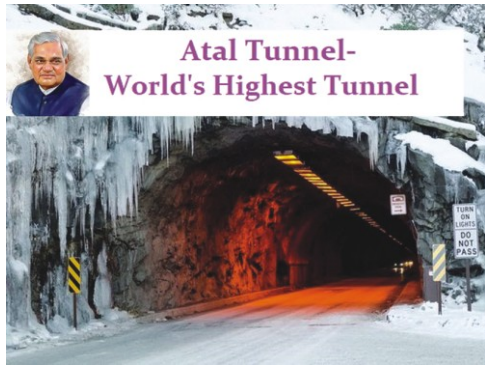
Shiv Das Meena assumed the charge of Chairman of Patna Metro Rail Corporation Limited (PMRC). He belongs to the 1989-Batch IAS officer of Tamil Nadu cadre and an additional secretary and CVO in the Ministry of Housing and Urban Affairs (MoHUA). Meena took charge of Chairman, PMRC, on December 14, 2019.

Major Anoop Mishra awarded Army Design Bureau Excellence Award



Indian Army Chief Gen. Bipin Rawat felicitated Major Anoop Mishra with prestigious Army Design Bureau (ADB) Excellence Award for indigenously developing 'Sarvatra Kavach', a bulletproof jacket that can provide protection against various ammunition including that from sniper steel bullets. Maj. Anoop is presently posted as Instructor at College of Military Engineering.

Rohtang Pass Tunnel named after former Prime Minister Shri Atal Bihari Vajpayee



The Union cabinet chaired by PM Modi decided that the strategic tunnel that was constructed under Rohtang Pass will be named after former Prime Minister Atal Bihari Vajpayee ji. This is because the tunnel construction was started in June 2000, during his tenure. The tunnel is the world's longest tunnel (8.8 km) at an altitude of 3,000 meters. The tunnel reduces the distance between Leh and Manali by 46 kilometers. This helps in saving crores of rupees on fuel usage.

NPL scientists develop ink to stop fake passports and Currency Notes



The Council of Scientific and Industrial Research (CSIR) and National Physical Laboratory (NPL) developed an ink to combat the problem of fake printing of passports and counterfeiting of currency notes. The ink has a new security feature of protecting itself against duplicity. The ink was produced based on single excitable dual emissive luminescent pigment. The scientists' features changes in pigment color after the notes are printed. In ambient light the ink shows white color. When the ink is exposed to UV light, it turns red and when the UV source is switched OFF it turns green.

Delhi Cabinet approves New Policy on pollution



CM of Delhi Arvind Kejriwal introduced a new policy to make Delhi the capital of Electric vehicles. Under the policy, the government has planned to provide subsidies to electric vehicles. The goal of the policy is to ensure that 25% of new vehicles registered are electric. Along with 250 charging stations to solve the problem of pollution.

Portugal to launch a Gandhi Citizenship Education Prize



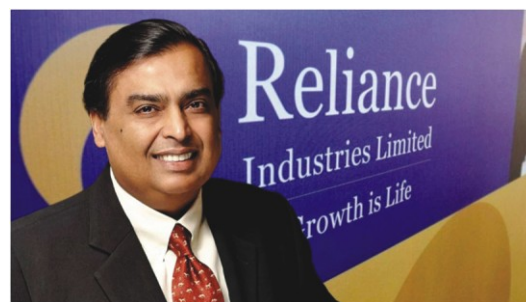
Portugal is to launch a Gandhi Citizenship Education Prize with an aim to promote Mahatma Gandhi's ideals. The announcement was made by the Portuguese Prime Minister, Antonio Costa. The first edition of the Gandhi Citizenship Education Prize has been dedicated to animal welfare. The initiation of the award shows global reverence for Mahatma Gandhi as the world is realizing his vision of peace, equality, and non-violence.

Manuel Marrero Cruz appointed as Cuba's first PM in more than 40 years



Cuban President Miguel Diaz-Canel has appointed Manuel Marrero Cruz as the country's first prime minister in more than four decades (40 years). Marrero Cruz who was named prime minister for a five-year term, has served as Cuban tourism minister for 16 years. He is an architect by trade and has helped boost Cuba's economy by making tourism one of the engines of growth.

Asia's richest man Mukesh Ambani adds \$18 billion to his fortune in 2019



According to the Bloomberg Billionaires Index, The Indian tycoon added almost \$17 billion to his wealth about \$61 billion in comparison, Alibaba Group founder Jack Ma's net worth grew \$11.3 billion, while Jeff Bezos lost \$13.2 billion. Mukesh Ambani's fortune fueled by a 40% jump in the shares of his Reliance Industries Ltd.

Virat Kohli named in Wisden cricketers of the decade list

India skipper Virat Kohli and Australian batsman Steve Smith are among the five players who are named in the Wisden cricketers of the decade. The 31-year-old Kohli has 5,775 more international runs and 22 more international hundreds than anyone else in this decade. He is the only active batsman to average above fifty in three formats.

Oxygen Parlour opened at Nashik Railway Station to combat Air Pollution



In a unique initiative to battle rising air pollution in cities, Indian Railways has opened an 'Oxygen Parlour' at Nashik railway station in Maharashtra. The initiative seeks to provide an experience of breathing clean air to the commuters. There are nearly 1500 plants in Oxygen Parlour, so, these plants can directly and effectively bring down the pollution in the air at the railway station and allow the people to breathe cleaner air.

DRDO conducted 2 test firings of Pinaka missile system



Defence Research and Development Organisation (DRDO) conducted two test firings as a part of the series of flight trials of the Pinaka missile system. The aim of the trial test was to test low range, functioning of live warhead along with its proximity initiation and salvo launch. The first test trial was conducted on 19 December 2019. The missile was fired at a 75 km range. The second trial was successfully conducted on 20 December 2019 from Integrated Test Range, Chandipur, off the Odisha coast.

Renowned Hindi author Ganga Prasad Vimal dies



Renowned Hindi author Ganga Prasad Vimal passed away on December 25, 2019 in Sri Lanka. He was 80. Ganga Prasad was travelling with his two family members in southern Sri Lanka when they met with a road accident and died on spot. Besides being an author, Ganga Prasad was a professor at Jawahar Lal Nehru University. He wrote more than one dozen poetry collections, short story collections and novels. His last novel, Manushkhor, was published in 2013. He received several Hindi literary awards.



THE VICTORY TRUMPET

"BEST OUT OF WASTE" (VI-VIII)

CLASS - VI

S.No.	Name	Class	Position	House
1	Bhumi	VI A	I	Jagriti
2	Piyush Sharma	VI A	II	Pragati
3	Ritika Ragani	VI C	III	Prerna

CLASS - VII

S.No.	Name	Class	Position	House
1	Anushka	VII C	I	Jagriti
2	Yashshasvi Awasthi	VII D	II	Prerna
3	Deepali	VII E	III	Nirman

CLASS - VIII

S.No.	Name	Class	Position	House
1	Himank	VIII A	I	Nirman
2	Pinki	VIII B	II	Pragati
3	Anushka	VIII C	III	Nirman

"RAMANUJAN DAY" MATHS QUIZ (VI -VIII)

S.No.	Student Name	Class	Position
1	Kartik Gupta	VI C	I
2	Anshuman Mishra	VII D	
3	Ayush Chandra Jha	VIII C	



PRIMARY ZONALS (ATHLETIC MEET)

S.No.	Name	Class	Event
IV-E	Preksha Negi	II	Handball
V-F	Yash Rawat	I	100m race
V-E	Anish Kumar	II	Long jump

SCIENCE OLYMPIAD FOUNDATION - NSO 2019-20

S.No.	Class/ Sec.	Name of the Student	School Rank	Zonal Rank	International Rank	Awards - Won International / Zonal / School Award
1	II F	GARVIT PATNI	1	74	449	School Gold Medal + Participation Certificate
2	II G	SAMARTH SHARMA	2	167	831	School Silver Medal + Participation Certificate
3	II F	BHUPENDER KUMAR	3	193	921	School Bronze Medal + Participation Certificate
4	III D	MARUTI NANDAN PANDEY	1	45	364	School Gold Medal + Participation Certificate
5	III E	VEDANT DHOUDIYAL	2	145	784	School Silver Medal + Participation Certificate
6	III A	DHANANJAY MAMGAIN	3	147	786	School Bronze Medal + Participation Certificate
7	IV B	RISHIT RAWAT	1	18	313	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
8	IV B	AVI SIRARI	1	18	313	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
9	IV F	SHUBH PURWAR	1	97	737	School Gold Medal + Participation Certificate
10	IV E	SIDDHARTH BISHT	2	36	445	School Gold Medal + Participation Certificate
11	IV F	NAMAN GUPTA	2	102	747	School Silver Medal + Participation Certificate
12	IV E	SOUMIL MADHWAL	3	169	1033	School Silver Medal + Participation Certificate
13	IV F	VINDHYAA GAUTAM	3	125	847	School Bronze Medal + Participation Certificate
14	IV C	RAGHAV CHANDRA	4	175	1049	School Bronze Medal + Participation Certificate
15	V C	KARTIKEYA PANT	1	21	631	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
16	V F	RANVIR GUPTA	2	63	961	School Gold Medal + Participation Certificate
17	V C	HIMANSHU SONI	3	67	971	School Silver Medal + Participation Certificate
18	V B	ARNAV GIRI	4	87	1097	School Bronze Medal + Participation Certificate
19	VI A	AARUSH MISHRA	1	3	354	Rs. 500 + Zonal Bronze Medal + Certificate of Zonal Excellence
20	VI B	YASHIKA GUPTA	2	94	1259	School Gold Medal + Participation Certificate
21	VI C	MANAS BARTWAL	3	193	1745	School Silver Medal + Participation Certificate
22	VI E	RIBIKA CHATURVEDI	4	195	1753	School Bronze Medal + Participation Certificate
23	VII B	DIVYANSH CHAUDHARY	1	21	737	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
24	VII E	AYUSH KUMAR SINGH	2	72	1209	School Gold Medal + Participation Certificate
25	VII D	ANSH SINGH	3	98	1363	School Silver Medal + Participation Certificate
26	VII D	MAYANK KUMAR	4	103	1389	School Bronze Medal + Participation Certificate
27	VIII B	TANISHQ RAWAT	1	7	286	Gifts Worth Rs. 1000/- + Medal of Distinction + Certificate of Distinction + Certificate of Zonal Excellence
28	VIII C	KUSHAGRA GUPTA	2	26	567	School Gold Medal + Participation Certificate
29	VIII B	SHARAN	3	37	735	School Silver Medal + Participation Certificate
30	VIII C	SAMARTH SHARMA	4	57	1055	School Bronze Medal + Participation Certificate
31	IX D	KARTIK RAWAT	1	14	445	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
32	IX C	PRATYUSH ANAND	2	17	460	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
33	IX C	ABHIRAJ KUMAR	3	18	479	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
34	IX C	ADDHYAN RAJ	4	58	821	School Gold Medal + Participation Certificate
35	IX F	DHRUV SINGH	5	72	909	School Silver Medal + Participation Certificate
36	IX E	SARTHAK SUNDRIYAL	6	87	1007	School Bronze Medal + Participation Certificate
37	X A	SHIVANSH TUTEJA	1	7	452	Gifts Worth Rs. 1000/- + Medal of Distinction + Certificate of Distinction + Certificate of Zonal Excellence
38	X A	SOUMYASHREE BISWAL	2	15	525	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
39	X B	SARTHAK SINGLA	3	19	575	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
40	X A	ADITYA SHARMA	4	20	580	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
41	X B	CHITRAKSHI SHARMA	5	25	647	Certificate of Zonal Excellence + Medal of Distinction + Certificate of Distinction
42	X A	RASIKA RAUTELA	6	47	830	School Gold Medal + Participation Certificate
43	X A	ADITYA BISHT	7	62	1020	School Silver Medal + Participation Certificate
44	X A	SAMIKCHA	8	78	1097	School Bronze Medal + Participation Certificate

UPCYCLING PLASTIC



Upcycling is the process of repurposing old and discarded items into new products that have a better quality and an environmental value.

Most of the goods that are dumped have a lot of life left in them. By upcycling such material, they don't end up in landfills. At the same

time, by repurposing material instead of buying new products, we are also ensuring that resources that are already scarce are not over consumed.

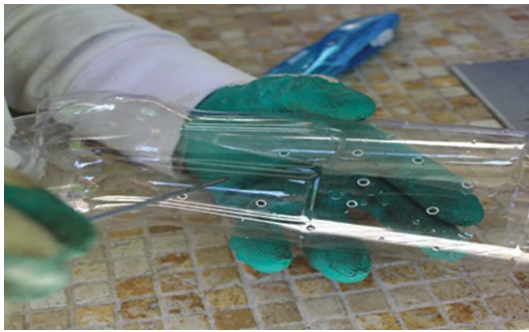
By upcycling plastic which is a non biodegradable substance and will add to the degradation of soil, we can save our environment. So let's see the method by which plastic can be upcycled into hanging garden.

THINGS REQUIRED :

3 plastic bottles - try to use bottles of the same shape
Cardboard - reuse some cardboard boxes
Seedlings - like lettuce, spinach and flowers
Needle/Skewer or any sharp object to poke small holes
String
Potting soil

METHOD :

- **Remove** the labels on either side of your bottles.
- **Keep** the lids on the bottles to stop the soil from falling straight through the side.
- **Poke** small holes in the bottom of your container using your needle or skewer. These holes are for drainage.
- **Cut** a rectangle in the middle of your bottle opposite the side with holes. This is an opening for your soil and seedlings.
- **Line** the inner sides of your bottle with cardboard strips, leaving the holes at the bottom clear. The cardboard acts as insulation for your soil, just like they would get underground.



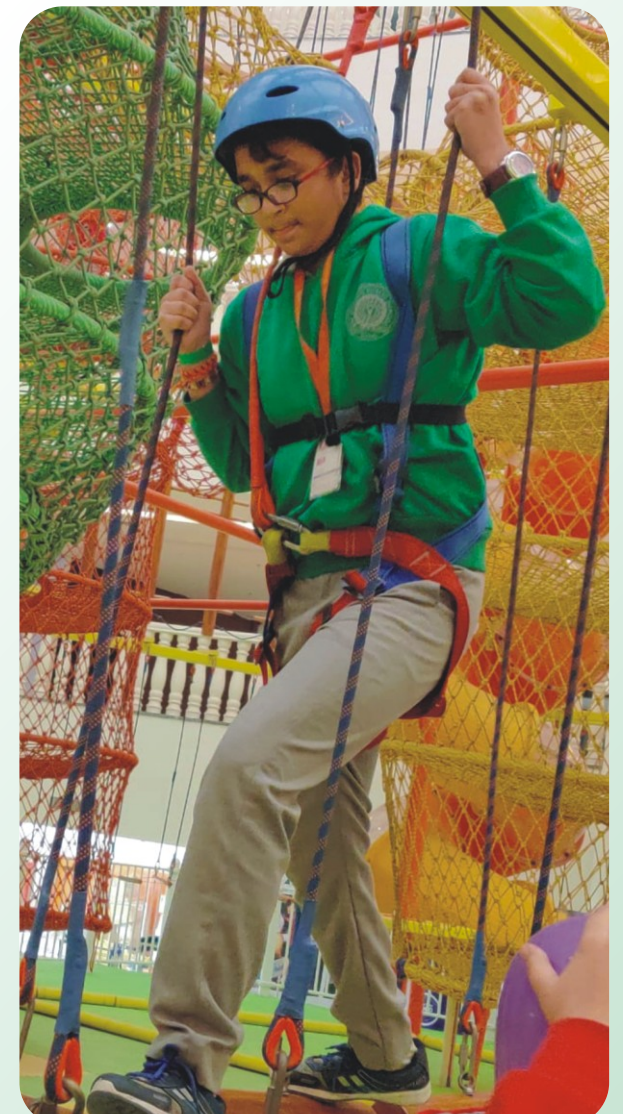
- **Mix** the potting soil with sand: two parts soil to one part sand. The sand helps to thin the soil and allow the water to drain easier.
- **Fill** the containers with the potting soil and sand mix.
- **Transplant** your seedling into the soil.
- **Water** your seedlings.
- **Check** that the draining system works and water falls through the soil and out the holes.
- **Measure** the length of your desired vertical garden.
- **Determine** the length of string needed to attach each bottle in your vertical hanging garden.
- **Take** the first string and tie it in a loop.
- **Wrap** the loop around one side of the bottle. Do the same with another piece of string for the other side of the bottle.
- **Hang** the bottle up on a high surface with the loops hanging off stable hooks. Keeping it stable and straight.
- **Repeat** for the other two bottle, attaching the appropriate length of string and looping it around the sides of bottles.
- **Attach** the strings to the bottles above until you have your vertical hanging garden.



Educational Excursion to Oh! Max Wonderland



The School organised a day long trip to 'Oh! Max Wonderland', an indoor theme park in Greater Noida for students of Class VI to VIII on 17th December 2019. It was an educational as well as a fun-filled trip. After a brief orientation by the team leaders, students started to explore the mammoth theme park. An indoor Amazon forest helped the students to explore the wonders of nature, an Egyptian mummy land 'Treasure of TUT' amazed the students, a mirror maze and a fun-filled experience in the Chocolate factory enthused the students. Adventure activities filled the students with lot of vigour and vitality. Students were spell bound by the spectacular replica of Taj Mahal and Unsinkable Titanic. They also understood the history of the Taj Mahal through a holographic display. The trip combined learning with lot of amusement.



Shutter Bug



Credits : ANSHIKA MISHRA, VII-D

Live Telecast of Hon'ble Chief Minister's event

"Women's safety cannot be ensured without changing the mindset of the people."

In one of the unique initiative for women safety, Chief Minister Arvind Kejriwal administered an oath to students of Delhi to respect women and not violate women's dignity. The live telecast was witnessed by the students in the school's Hall of Dreams on December 23rd.

Boys took an oath that they will respect women and will not

misbehave with them and the girls administered the same oath to their brothers at home and warned them of breaking ties if they will not treat women well.

He said, "We are launching a campaign for women security. 1,40,000 CCTV cameras are installed in the city and 1,40,000 more cameras would be installed in the coming days, starting today."



FILM FESTIVAL SIFFCY AT SIRI FORT AUDITORIUM

SIFFCY, in association with the smile foundation organized a film fest for the youth and children of India on 9th December 2019. Our students also became a part of it by attending the film festival and witnessing activities which were put on show like classical dance, beat-boxing, traditional dance, singing and musical shows. **John Stevenson** director of the movie KUNG FU PANDA embraced the event as a jury member. The young participants truly boosted the energy of the audience through the exhibition of their flair and artistry exposed in their lively and zestful performances. Through the means of such events our children get to learn about what is happening

around the world and their own country. Short animated movies like Catmos, Hugo and Holger, Matilda, 3 feet, Paper Kite and Saturday apartment that were shown to our kids inspired them to make their little efforts to reduce issues that cause harm to the local and cultural heritage, or moral values on whole.



Ridhima Gautam, VII-E



Gitika Kohli, VII-F



Kartikeya Pant, V-C

JOURNALISM WORKSHOP



Journalism workshop was conducted within the school premises for students of class VI-IX in which total 40 students participated. The workshop was conducted by Ms. Bhavana Sharma (Alumni of BBPSMV) and presently Assistant Editor at Fairgaze organisation . The students were provided with information related to term journalism and its various types followed by a mock session in which the students took part as a voxpopule (Voice of the people). The students passionately participated and took keen interest in learning new things.



The workshop pave a way for the budding young editors and reporters to come to forefront and be the voice of their own.



FELICITATION GALORE



Ms. Kavita Mehrotra (Head Mistress) receiving an Appreciation Certificate for her contribution in SOF IGKO Examination



Rank holders Lakshay Mishra, Aarush Mishra and Aarush Dutta of Class VI in State level for French Word Power



Rank holders Dhruv Rawat, Samarth Sharma and Udbhav Aggarwal of Class VIII in State level for French Word Power



Rank holders of Concours Romain Rolland in State Level organised by Prayatna Educational Society



Garvit Patni, Bhupender Kumar and Samarth Sharma of Class IInd receiving Medal and Certificate for SOF IGKO Examination



Dhananjay Mangain, Maruti Nandan Pandey and Vedant Dhoundiyal of Class IIIrd receiving Medal and Certificate for SOF IGKO Examination



Winners of SOF IGKO Examination of Class IV



Winners of SOF IGKO Examination of Class V



Ayush Mishra, Manas Bartwal, Yashika Gupta and Ribika Chaturvedi of Class VI receiving Medal and Certificate for SOF IGKO Examination



Divyansh Chaudhary, Mayank Kumar, Ansh singh and Ayush Kumar Singh of Class VII receiving Medal and Certificate for SOF IGKO Examination



Tanishq Rawat, Samarth Gupta, Sharan and Kushagra Gupta of Class VIII receiving Medal and Certificate for SOF IGKO Examination



Students of Class IX receiving Medal and Certificate for SOF IGKO Examination



Students of Class X receiving Medal and Certificate for SOF IGKO Examination



Students receiving Trophy, Medals and Certificates for securing 1st Position in Anuvrat Naitik Geet gayan Pratiyogita (Sr. Category)



Students receiving Trophy, Medals and Certificates for securing 1st Position in Anuvrat Naitik Geet gayan Pratiyogita (Jr. Category)



JASHN-E-BACHPAN



Christmas waves a magic wand over the world, and behold, everything is softer and more beautiful. The much-awaited festival of Christmas was celebrated by tiny tots of KG class with fervour and zeal; they presented a special assembly “Jashn-e-Bachpan”. As the name suggest, kids reminded the parents about their childhood by beautifully presenting a skit imparting various childhood games played by them. Qawwali performance highlighting the excessive usage of mobiles, eating unhealthy food grab the attention of the audience, thus giving message to them about the outrageous impact of mobile phones and junk food. The program also emphasized the need of raising awareness on air pollution through a short documentary. Entire campus was festooned with colourful balls and balloons and a brightly decorated Santa with his sleigh followed by the echoing of Christmas carols. The children were filled with joy and excitement as Santa came dancing to the tune of Jingle Bells and distributed sweets to them. Spectacular performance of the kids also mesmerized the parents.



VIRUS USED IN GENE THERAPIES MAY POSE CANCER RISK, DOG STUDY HINTS

DEMYSTIFYING SCIENCE

Just as gene therapy finally seems to be living up to its promise, a study has revived a lingering worry about the viral vessel that many efforts rely on to ferry therapeutic genes into patients. This “vector,” a stripped-down version of adeno-associated virus (AAV), was thought to be safe because it rarely knits the human DNA it carries into a cell’s chromosomes, where it might activate cancer-causing genes. But a study of dogs with haemophilia, treated with AAV up to 10 years earlier, has shown that the vector can readily insert its payload into the host’s DNA near genes that control cell growth.

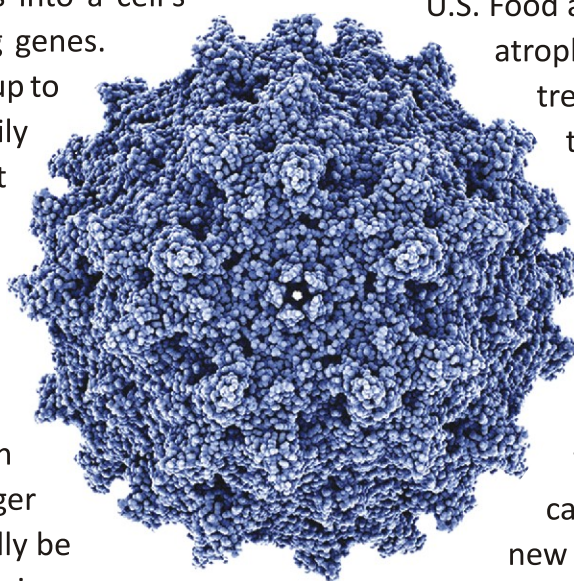
The new data, described in a conference talk last month by a Philadelphia-based research team, are “good news and bad news,” says gene therapy researcher Charles Venditti of the National Human Genome Research Institute. By slipping into the chromosomes rather than floating free, the therapeutic DNA might have longer lasting benefits. Integration “happens and it may actually be essential for long-term expression” of a needed protein, says physician-scientist David Lillicrap of Queen’s University, who attended the 9 December 2019 talk at the annual meeting of the American Society of Haematology (ASH) in Orlando, Florida. But the findings also fuel a debate about whether AAV vectors could pose an unacceptable cancer risk. “We don’t know enough yet” to say, according to Lillicrap.

Another viral vector, used in some early gene therapy trials, caused cancer in a few children after it integrated its cargo into the chromosomes. AAV

seemed to be a safer alternative because genes introduced by the modified virus generally become a free-floating loop, known as an episome, in the cell’s nucleus. AAV vectors have helped drive the recent surge of successful gene therapies. These include one approved by the U.S. Food and Drug Administration last year for spinal muscular atrophy, a fatal childhood neurological disease, and a treatment for the blood-clotting disorder haemophilia B that’s expected to receive FDA approval this year. In the haemophilia treatment, AAV infects liver cells and turns the organ into a factory for making the clotting protein that patients depend on.

Yet doubts about AAV’s safety have simmered for nearly 20 years, since a study found that in new born mice given high doses of the virus, it could integrate its genetic cargo into the animals’ DNA and cause liver cancer. Many gene therapists argued that findings in new born mice are not relevant to human adults. But the new warning comes from larger, older animals: adult dogs with haemophilia A, in which a clotting protein called factor VIII is missing.

In seven of nine such dogs, AAV vectors successfully supplied a replacement copy of the gene for factor VIII and restored stable production of the molecule. In two of those dogs, however, blood levels rose further after about 3 years, reaching about four times the original level by 7 to 8 years, gene therapy researcher Denise Sabatino of the Children’s Hospital of Philadelphia reported at the ASH meeting.



Understanding Careers : A Guide for Students



This column is initiated to aware our students about the various conventional and unconventional career options available to them after +2. If u want us to discuss a career of your choice, or if you are curious to know more about the career option discussed in this edition, please feel free to contact the school counsellor or email us.

GREEN CAREERS

Green Careers can be understood as jobs or businesses that contribute, in some way or the other, in preserving the natural environment. These might be in conventional sectors such as manufacturing and construction, or in new emerging sectors such as energy efficiency and renewable energy.

Green careers help in:

- Improving energy and raw materials efficiency
- Limiting greenhouse gas emissions
- Minimizing waste and pollution
- Protecting and restoring ecosystems
- Supporting adaptation to the effects of climate change

Some Green Jobs that can be taken up after getting the required qualifications and training are:

a) Environmental Engineer : Environmental engineers study the natural environment. They work to understand the causes of undesirable phenomena like acid rain; pollution; climate change; and management, and ozone layer depletion.

Premier colleges for pursuing this course in India : Indian Institute of Technology, Bombay; Manipal Institute of Technology, Manipal

b) Hydrologist : For people interested in understanding issues of water pollution, water scarcity, etc, becoming a hydrologist may serve as a great career option. Hydrologists study water movement and use their knowledge to solve environmental problems related to water quality and its quantity. A Master's degree in Environmental Sciences is essential to be a hydrologist.

Premier colleges for pursuing this course in India : Madras School of Economics, Chennai; Symbiosis Institute of Geoinformatics, Pune; JNU, Delhi

c) Landscape Architect : Landscape architects design outdoor environments, from public parks to private home gardens. Landscape architects spend some of their work time at work sites, but they also spend a good amount of time in the office researching, creating designs and preparing budgets and reports.

Premier colleges for pursuing this course in India : School of Planning and Architecture, Delhi; Bhopal; Vijaywada

d) Wildlife Biologist : Wildlife biologists and zoologists study animals, particularly focusing on a particular type of animals, like mammals, or groups of animals that live in specific habitats, such as oceans. Part of a wildlife biologist's job is to observe the animals' behaviour, physical characteristics and interactions.

One may obtain an undergraduate degree in wildlife biology, general biology, zoology, ecology, or another related field. Practical experience is of utmost importance in this field.

Premier colleges for pursuing this course in India : Forest Research Institute, Dehradun

e) Environmental Manager : Environmental managers are responsible for overseeing the environmental performance of private and public sector organisations and for developing, implementing and monitoring environmental strategies that promote sustainable development.

Premier colleges for pursuing this course in India : Indian Institute of Forest Management, Bhopal

f) Entrepreneurship : From using recycled or renewable resources to reducing energy consumption and waste, there seems to be a universal effort by companies and startups in India to protect our planet, and do what we can to live a sustainable lifestyle. Here are five start-ups that are striving to make a difference by going eco-friendly:

- **Zunroof :** ZunRoof is a home-tech startup bringing smart and clean energy choices to homeowners. The startup helps generate electricity through solar energy by making use of unutilised rooftops.
- **EcoRight :** Ahmedabad-based EcoRight sells eco-friendly bags with an emphasis on design to attract customers.
- **GEM Enviro Management :** GEM collects pre- and post-consumer packaging waste from factories, offices, hotels, motels, and institutes. The waste is then recycled into products such as T-shirts, caps, and bags, selling the products under its brand 'Being Responsible'.



FRIENDS

Friends are those who help in difficult times.

They never tease their friends, And always make them smile.

They always like to be with their friend,

And never make them sad. Friends always play together,

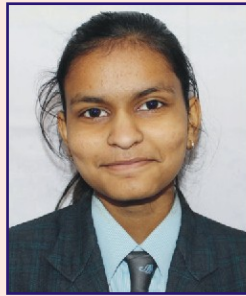
To make their friendship better.

True friends never leave their friends,

To make another buddies. You should always trust those, Who always help you.

But not those, Who only say- "I'll help you."

- Tanvi Sharma (V-F)



MY MOTHER'S BEAUTIFUL HANDS

Her hands helped me gently from the day I took my first breathe, Her hands helped to guide me as I took my first step.

Her hands held me close when the tears would start to fall, Her hands were there on me when I stated to crawl.

Her hands were there to comb my hair, Her hands were often there to comfort me with her care. Her hands would clap, cheer and praise, While I was running in this life, like a race.

Her hands sometime had to discipline, to help bend this young tree. Her hands would shape and mould me into all she knew I could be.

Her hands are more beautiful than anything can be, Her hands are the reason I am me. Her hands are the reason I am tough To say that you're wonderful is just not enough

I am lucky to have you Because you are the person to whom I love to talk to!!!!

- Vrinda Gupta (VII-D)

The Counselor's Corner

Why it is okay to 'not' feel 'okay' sometimes

We all have heard and read about the importance of being positive and feeling positive emotions. Some positive emotions that we feel at different points of time are joy; gratitude; serenity; hope; and the like. But, however much we may propagate being positive, it is practically not possible to be positive all the time. Human beings are primed to feel both positive and negative emotions. In fact, a lot of problems often arise when we start believing that we must be positive all the time. Hence, in this column, I would throw light on the less talked about, that is, negative emotions and feelings.

What are negative emotions?

Negative emotion is the experience of feelings like *sadness; guilt; anger; frustration; nervousness; fear;* etc. We all feel these emotions at various points in time in our daily life. For instance, we might feel *sad* about getting lesser marks than we expected; we might feel *guilty* for hurting a friend; we might feel *nervous* before getting onto the stage; we might get *angry* at our younger sibling; and the like. For all my readers who are able to relate to this, let me tell you in a first, *"It is absolutely okay and human to feel these emotions!"*

Why are negative emotions important?

- Negative emotions, in fact, have their own set of benefits. To share with you a few of them;
- the negative feeling of *threat* alerts us to any potential danger in the environment, and gets us to act accordingly. For instance, we might feel *threat* if we hear some unusual sounds from outside our house at night, it shall alert us to the possibility that something might be wrong, and we would run to our family members to let them know.
 - negative feelings might point out towards a health issue, study matter or anything else that is important and needs our attention. For instance, scoring lesser than expected marks in an exam may make us feel *sad* and thus point out that we need to put in more effort in our studies; or studying too much might make us feel *frustrated* and thus point out that we need to engage ourselves in some extracurricular activities too.
 - we shall probably not enjoy the experience of positive emotions if we don't know how negative emotions feel.

Small things to do to feel better when we are feeling a negative emotion :

The first thing to do shall be to acknowledge your negative emotion and accept it. Tell yourself, *"I am feeling sad/guilty/nervous/angry/jealous/afraid/nervous and it's absolutely okay to feel that way sometimes."*

- Talk to someone, parents; siblings; friends. Ask that person for a hug.
- Focus on your breathing. Take long and deep breaths.
- Do your favourite hobby (listening to music; painting; reading; dancing; etc.)
- Have a glass of warm milk.
- Go for a short walk.
- Make a list of things that you are thankful for in your life. These things can be as basic as having a good school to study in; having a house to go back to; etc. Call this your Gratitude List.

Now that we know about the significance of negative emotions, we must also know that consistently feeling negatively also might not be a desired sign. We should learn to keep regular check on how we are feeling, and if we find ourselves feeling negative consistently, we should seek help of a counselor.



Ms. Variddhi Gupta, Counselor

- All the best
- Ms. Variddhi Gupta
School Counselor (Sr.)

WORLD SOIL DAY

"The soil is the great connector of lives, the source and destination of all. Without proper care for it we can have no community, because without proper care for it we can have no life."

- Wendell Berry

To focus attention on the importance of healthy soil and advocating for the sustainable management of soil resources, students on Class VIth presented Special Assembly on World Soil Day on 16th December 2019. The assembly was a sheer celebration explaining the richness of Indian Soil and highlighting the growing problem of soil erosion due to population expansion. The students presented beautiful dances and songs to make the audience realise how important soil and its conservation is.



BB MUN (VI-VIII)

BB-MUN was conducted within the school premises for students of class VI-VIII in which total 33 students participated and were allotted with different countries. The chair for the event was Mr. Akash Asthana B.A.(H) Economics, student Amity University and has been working passionately as a delegate in many MUN held different university and has experience as an executive member and worked as an organizing member too.



The best delegate was awarded to Surya Thakur (class viii) representing India followed by various verbal mentions.

The topic for the same was "Prevention of violence against women".

Indeed it was an enriching and blissful learning outcome for all the delegates.

WEBINAR

"Success is not final; failure is not fatal: It is the courage to continue that counts."

Our school organized a webinar under the guidance of an expert in department of Mental and Behaviour Science, Dr. Samir Parikh, a psychiatry in one of the most renowned hospitals, Fortis Noida. The interactive session was of an hour in which Dr. Parikh discussed few mantras of success through which students of class IX and X be benefitted.

He carried forward with many difficulties that young learners would face while writing exams. They struggle with the pre exams anxiety and that, many a times hampers their academic performance. Hence students were acquainted with all the precautions

that they are supposed to take being a student. Students were told all nine success mantras that they must keep in their minds for their future.

The session was continued for almost an hour and was very informative for both students and teachers. Students were also told how to practice their dreams to attain success in life. He asked students not to compare themselves with others and to be honest to themselves in respect to their studies. They were instructed to frame an ideal timetable and follow religiously to bring notable results.

At the end of the webinar he also allowed students to welcome their queries related to the topic. The session turned out to be a an informative one.



REPLACE BAD READING HABITS WITH GOOD

For successful speed reading, common bad reading habits need to be shed. Among them :

FIXATION : Reading one word at a time slows down the reading process. Practise reading in chunks of two or even five words at a time, starting with two words.

REGRESSION : Reading is an unconscious habit developed by many readers. When one reads the same line twice, before completing a paragraph or lesson, this interrupts the mind's ability to absorb information. To break free of this habit, read like you are watching a movie. Conscious effort to read a complete paragraph without rereading lines increases reading speed.

SUB- VOCALISATION : Repeating words in the head (auditory reassurance) reduces reading speed. Try to read continuously and consciously avoid sub-vocalisation.

!!!! हिंदी भाषा के स्तम्भ !!!!

वर्णमाला हिंदी की, वैज्ञानिक, मनभावन
13 'स्वर', 39 'व्यंजन', 'अक्षर' इसमें बावन
रूढ़, यौगिक, योगरूढ़ शब्दों के तीन प्रकार
'रूढ़' जिसे हम तोड़ न पायें, यौगिक सकते बाँट
'योगरूढ़' है यौगिक, फिर भी एक अर्थ में रूढ़
तोड़ा तो जा सकता लेकिन अर्थ विशेष में गूढ़

कोई भी हो नाम अगर तो, 'संज्ञा' वह कहलाता
संज्ञा के बदले जो आता, 'सर्वनाम' वह बन जाता
कोई भी हो काम अगर तो, 'क्रिया' उसे हम कहते
जिनका रूप भी न बदले, 'अव्यय' शब्द होते
संज्ञा, सर्वनाम की खूबी, कहता शब्द 'विशेषण'
और क्रिया की कहे खासियत, वो है 'क्रिया-विशेषण'

संज्ञा अथवा सर्वनाम का, क्रिया से जो संबंध
वर्णित करते आठ 'कारक', प्रकटें विभक्ति-चिह्न

पुरुष जाति का बोध कराते, शब्द कहलाते 'पुल्लिंग'
स्त्री जाति का बोध कराते, शब्द वही 'स्त्रीलिंग'

संख्या में हो एक अकेला, होता 'एकवचन'
अगर एक से ज़्यादा हो तो, बनता 'बहुवचन'

तीन 'पुरुष' हिंदी में होते, उत्तम, मध्यम, अन्य
'उत्तम' मैं हूँ, 'मध्यम' तुम हो तो, तीसरा होता 'अन्य'

जिन शब्दों का अर्थ एक-सा, 'पर्यायवाची' शब्द
एक-दूसरे से जो उल्टे, होते 'विलोम' शब्द

एक शब्द में आ जाता, संपूर्ण बात का अर्थ
जब बोलें 'अनेक शब्दों के लिए एक शब्द'

मूल शब्द जो बिलकुल शुद्ध, कहलाता है 'तत्सम'
मूल शब्द का रूप बदलता, बन जाता वह 'तद्भव'

संधि उसे हम कहते हैं, दो शब्द जहाँ पर जुड़ते
अगर जोड़ को पड़े तोड़ना, 'संधि-विच्छेद' करते

दो या दो से अधिक शब्द जब, लेते हैं लघु रूप
वह संक्षेप 'समास' है, बनता रूप अनूप

शब्द कहे कुछ और लेकिन, मतलब हो कुछ और
ऐसे वाक्य-खंड 'मुहावरे', भाषा के सिरमौर
शब्द पिरोये जाते जिससे, होता भाव-श्रृंगार
भाषा का सौंदर्य निखरता, वे है 'अलंकार'

कविता में आता आनंद, कहते उसको 'रस'
नौ प्रकार के रस हैं जिनसे, बनते काव्य सरस
कविता का वह साँचा जिसका, हो निश्चित आकार
'छंद' नाम से जाना जाता, इसके कई प्रकार

शब्दों के आरंभ में लगकर, नूतन शब्द बनाता
वह अक्षर या शब्दांश ही, 'उपसर्ग' कहलाता
अगर शब्द के अंत में लगकर, नूतन शब्द बनाये
उस अक्षर या शब्दांश को 'प्रत्यय' समझा जाये

तीन समय कहलाते 'काल', बीता, चलता, भावी
इन्हीं तीन कालों में सिमटी, सारी दुनियादारी
बीत गया वो 'भूतकाल' है, चलता 'वर्तमान'
आने वाला 'भविष्यकाल' है, रखो हमेशा ध्यान
बात बोलते समय हम सभी, जहाँ- तहाँ पर रुकते
और अनेकों भाव हमारे मुख पर तैरा करते

इस रुकने को, इन भावों को, चिह्नों में हम लिखते
ऐसे सारे चिह्नों को हम, 'विराम-चिह्न' में पढ़ते

हिंदी भाषा की सुंदरता के ये सब स्तंभ
इनके सदुपयोग से होते, वक्ता-लेखक धन्य !!

Good Reads

Age Group : 9+

A Wrinkle in Time by Madeleine L'Engle

A Wrinkle in Time tells the story of Meg Murry. She's a youth whose father went missing for about two years. She has a younger brother named Charles who is as socially awkward as her. Although both of them are very intelligent children, they still struggle to fit in at school due to their personal insecurities. Meg, especially, is one who, despite having a high IQ, always gets low grades and fights with other kids.

The book was the Winner of the 1963 Newbery Medal. It is one of the great works of literature for kids. Besides being an exciting story, its messages of individuality, nonconformity, friendship and courage have inspired generations of readers. It celebrates the power of individuality, bravery, and love. It's been adapted for the screen twice, once as a 2004 TV movie and once in 2018 as a big-budget Disney blockbuster.

This novel has all the elements of a good novel. As a reader, we are taken on a wild journey as the book described a new world "more beautiful than anything in a dream".



SMART GADGET

HP SPROCKET

A compact printer on go. It comes in a size of 5 X 7.6 cm similar to size of mobile phone. Print your snapshots at the right moments. It can be connected with any social media account and add more fun by adding text, emoji's, stickers to enhance the picture. It weighs around 170g and has Bluetooth 3.0. it is available in different color and has 1A battery to print more photos in portable mode.



AN ENLIGHTENING EXCURSION TO INSTITUTE OF GENOMICS AND INTEGRATIVE BIOLOGY (IGIB)

It was 1st December 2019, I was studying for my Physics Unit Test and a notification alarmed my mobile. It was about a day trip to Institute of Genomics and Integrative Biology (IGIB). The first thought in mind was "Tomorrow will be another exhausting day". I don't have an any interest in studying Genes and Heredity, although I am a biology student but like to study more diseases, its cause and its cure. According to me it was of no use to go there.

The next day, we were on the way to our destination and Swati Ma'am updated us with few

terms related to Genomics. I learnt that with my full potential but still was not interested in 'Genetics'. We reached there and it was a beautiful place covered in trees and greenery. We went inside and got our guide McClintock- the famous Cytogeneticist Barbara McClintock. She took us upstairs in the lab and made us aware about the DNA- a very small element which can't be seen with naked eyes but an important entity in Heredity and Transmission. We also got to know about different techniques of DNA forensing. We learnt about various Scientists and their struggles in detecting

DNA and participated in a quiz based on Biology and Chemistry, it was really an Interactive Session.

We went there to learn about Genomics but I found something to my interest that is the Diseases get their proper cure when we start the treatment at a Microscopic level that is at the DNA level. I learn a lot and explored a new interest in this huge field of Biology that is "GENOMICS- Study of Genomes". I would like to go there once again. It was really an excellent opportunity that I grabbed. I was an Enriching Journey....

-Piya Chawla, XIth-F



TODDLERS' ZONE

SPACE DEBRIS AND HUMAN SPACECRAFT

"Six decades of human space exploration has produced a hazardous belt of orbiting debris around the planet."



What is space junk?
Space junk has been amassing since the first satellite Sputnik 1, was launched in October 4, 1957. The event heralded the start of the Space age but it also meant that we started leaving trash in Space. It includes smaller bits and pieces lost into space including paintchips that flake away from outside of devices, nuts & bolts, garbage bags, satellites once they die etc.

What is being done?
Japan's Space agency is testing an electronic space whip that stretches six football fields long. When launched, it is intended to knock debris out of the orbit, sending it to burn up in the Earth's atmosphere.

* About 23,000 objects are currently tracked in space.
* 8,400 tonnes: total mass of all space objects in Earth's orbit.
* Each piece travels at 28,000 Kph.

POTENTIAL DANGERS!!
A 5 cm object is large enough to destroy a satellite or rocket body if the debris collides with the main body of the spacecraft.



LET'S EXPLORE MUSEUMS OF INDIA



It was established in 1949 at New Delhi. It displays the history of India from the days the Mohenjodaro and Harappan civilization to modern times

It is the oldest and the largest museum of India. It was established in 1814 at Kolkata. It has a rare collection of Mughal paintings and mummies



It is located in Chanakyaपुरi in New Delhi and is a great place filled with fun for children. The museum showcases the Evolution of Railways in India.



It was set up by Shankar Pillai, a political cartoonist on 30 November 1965 in Delhi. It has a collection of dolls from various parts on India and also different countries



THE PRINCESS AND THE DRAGON

Once upon a time there was a king and queen who lived in a golden castle with their beautiful daughter. One night an ugly ogre captured the beautiful princess and locked her up in his tall, dark tower. 'Help me!' 'Roar!' The king and queen were very sad. They promised to give a bag of gold to the knight that rescued the princess. 'Please save our princess!' 'We'll save the princess!' All the knights in the land wanted to rescue the princess. They rode to the tower as fast as they could. 'Help me!' 'Roar!' The ugly ogre roared with anger when he saw the knights. His roar was so scary that they rode away as fast as they could. One day a friendly dragon was flying over the ogre's tower when he heard the princess cry for help. 'Help me!' The dragon flew down to the tower, took a big fiery breath and blew the ogre far away over the mountains and into the ocean. 'Come with me, princess. Don't be scared!' 'Thank you for saving me.' 'My pleasure, princess.' The dragon rescued the princess from the tower and gently put her on his strong back. They flew high in the sky. They flew over the tower and the castle, over the mountains and caves, and out towards the deep blue ocean. 'Whee! I can fly!' The dragon and the princess flew to the castle. The king and queen were so happy to see the princess they gave the dragon the bag of gold. They all lived happily ever after. 'Thank you for saving our princess!' 'My pleasure!'



SUDOKU



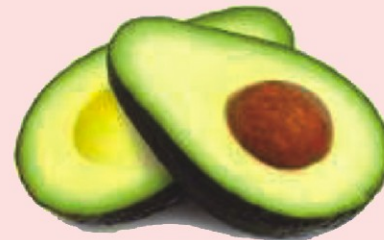
SPOT THE DIFFERENCE



JUMBLE WORDS

1. OCDAOVA

2. MPKUPIN



3. IWKI

4. CCROBILO



ANNUAL SPORTS MEET



Best House in Involvement and Engagement in School life (PRAGATI HOUSE)



Overall Winner for the session 2019-20 (JAGRITI HOUSE)



Best house in Curricular and Co-curricular activities (JAGRITI HOUSE)



Best House in Sports Category (PRERNA HOUSE)



Supriya Rawat (IX F) awarded with a Trophy and Cheque of Rs.2100/- for securing Gold Medal in CBSE Cluster and Delhi State Boxing Championship



Sport is a preserver of Health

The much awaited Annual Sports Day was held on 6 and 7 December 2019, with great zeal, excitement and frolicsome atmosphere. The programme began with the Principal Mr. Vividh Gupta welcoming the esteemed gathering and emphasised on the importance of sports in a child's life. The dignitaries also took the salute of the impressive March Past of the students, coupled with some stirring marching music by the band.

The students entered into the spirit of the occasion in a grand way with the oath being administered by the Sports captain. An energizing equestrian display set the tone for the rest of the event. The students displayed a Yoga performance, mesmerising the audience with their energetic performances. Once the races began, the air was filled with cheering and tons of encouragement for the young athletes.

Students of classes 6 to 12 competed in events including sprints, relays, sack race, obstacle race and skipping race. Fun time with seniors relay and a tug-of-war between the houses added to the enjoyment.

The overall champion trophy was awarded to the Jagriti House.

Dear Reader,

We wish all our readers a very happy and prosperous new year. Ushering in this new year we hope that our students keep rising and achieving new accolades. We would also like to remind you that this platform is for the students to showcase their originality and creativity, hence, refrain yourself from sending copied material. Send in your entries for the next edition latest by 28 January, 2020 to theschoolconnect@bbpsmv.com