



ASTRONOMY CLUB

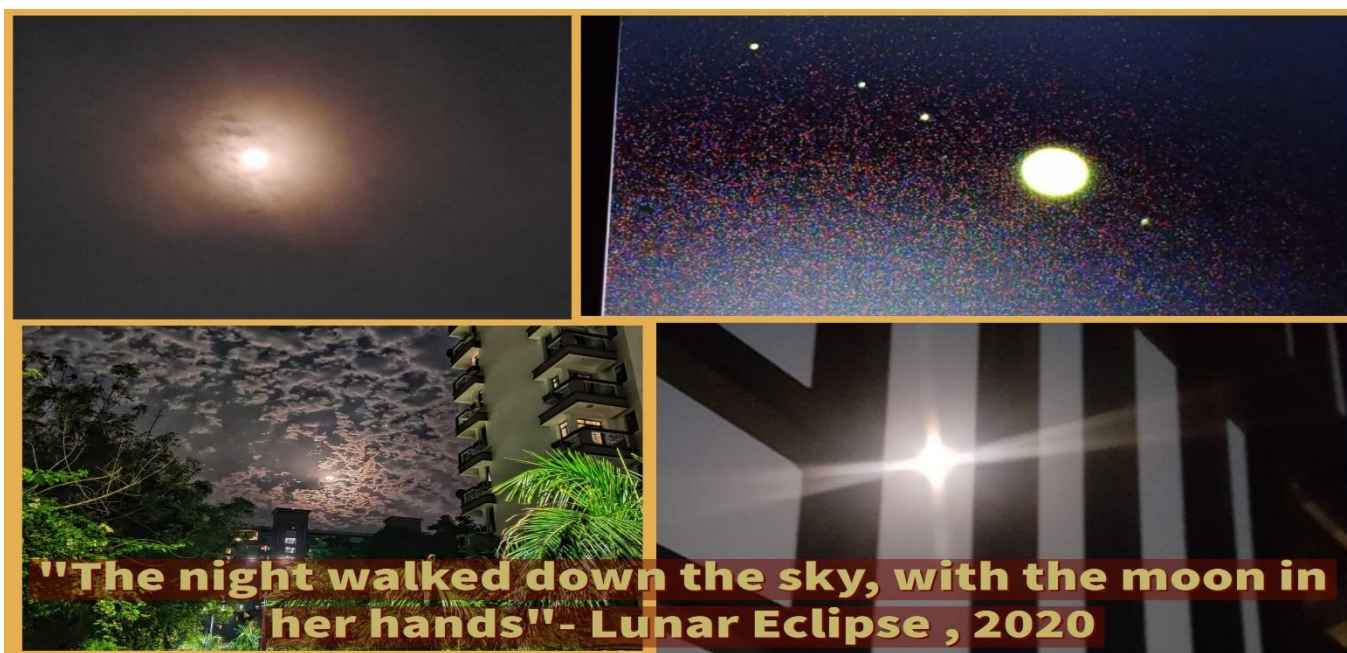
CLASSES: III-VIII

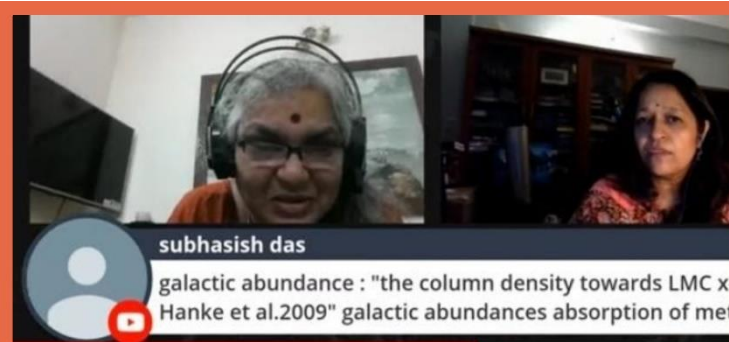
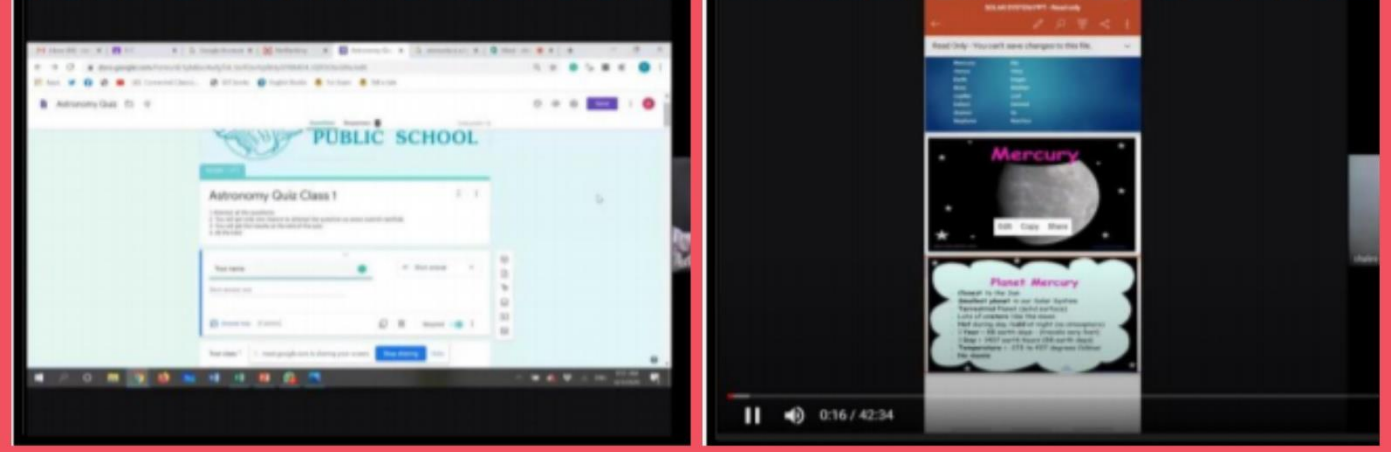
REPORT FOR THE PERIOD: APRIL,20-MARCH,21

S. NO.	DATE/ MONTH	OBJECTIVE	ACTIVITY	LEARNING OUTCOME
01.	05 June, 2020	To arouse the interest in observing astronomical events and phenomenon around us.	The live observation of the Lunar Eclipse and many other marvels of the universe was organized by Nehru Science Centre, Mumbai.	Students observed the Lunar Eclipse with a lot of enthusiasm.
02.	3-11 June, 2020	To ensure and encourage them to become Amateur Astronomers.	An array of activities related to Astronomy were planned for Children of Class IV & V during Virtual Summer Camp . Astronomy sessions were conducted on the topics: Eclipses, Solar System, Constellations and Interesting facts about the planet Mars. Following activities were enjoyed by the astronomers. a. Drawing the constellations using sticks and popcorn. b. Making of the planet Mars through papier Mache using a ball and glue. c. Showing the positions of Sun, Moon and Earth during the eclipses by a Solar freebie.	Students learnt: <ul style="list-style-type: none">• New concepts and Vocabulary• The process of eclipse formation.• About moon, constellations, planets of Solar system• Special characteristics of the planet Mars.
03.	07 Sep, 2020	To provide insight into the various facts and information of Astronomy	Doorstep Astronomy is a video magazine launched by Nehru Planetarium. The first issue of the video magazine was done on 07.09.20 on the topic "The many facets of the Moon" Nearly 100 students from Classes 4 – 12 of our school participated with enthusiasm and put-up interesting questions.	Students learnt about following: <ul style="list-style-type: none">• Maria• Surface of the Moon• Craters• Orbit of the moon• Phases of the moon

				• Liberation Observation
04.	05 Oct – 09 Oct, 2020	To celebrate World Space Week and inspire students by conducting various Space activities	<p>Under the aegis of Astronomy Club, World Space Week 2020 was celebrated from 5th Oct – 9th Oct, 2020. The theme of the year was "Satellites Improve Life". Following activities were conducted during the week:</p> <ol style="list-style-type: none"> 1. Eyes on Solar System – Live Webinar (https://www.youtube.com/watch?v=dn12JZZuFBc) 2. Virtual tour to Nehru Planetarium, Delhi 3. Virtual Meet with Croatian Students 4. Documentary and presentations on Satellites. 5. Stardust: Star Gazing activity 6. Live Online Astronomy Quiz 	<p>Students Visualized our Solar System and learn about it in great details.</p> <p>They understood the importance of Satellites and how they improve our lives.</p>
05.	21 Dec, 2020	To create awareness among students about Natural phenomenon such as "Conjunction of Stars"	We celebrated the rare astronomical event " The Great Conjunction 2020 " by organizing webinars for classes III – V & Classes VI – VIII. The objective of the webinar was to create awareness among students about such natural phenomenon and ignite their interest in the field of Astronomy.	Students learned about different type of conjunctions, science behind these conjunctions and how to observe them in evening sky.

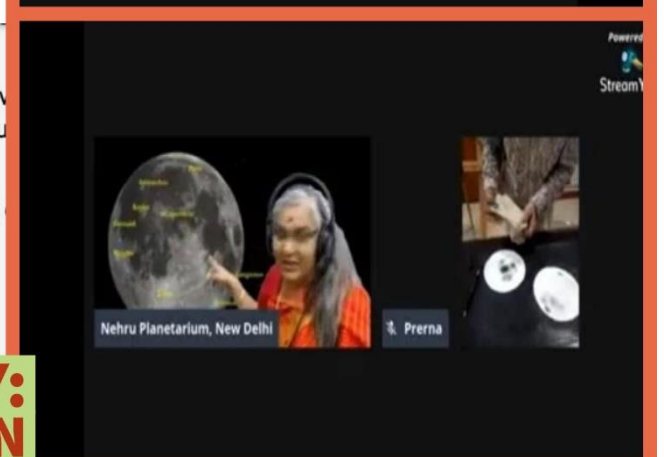
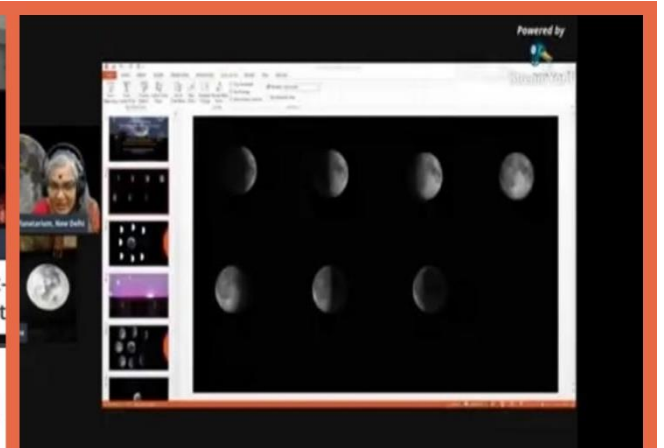
GLIMPSES OF THE ACTIVITIES UNDERTAKEN BY THE STUDENTS DURING THE PERIOD APRIL 20-MAR 21 :





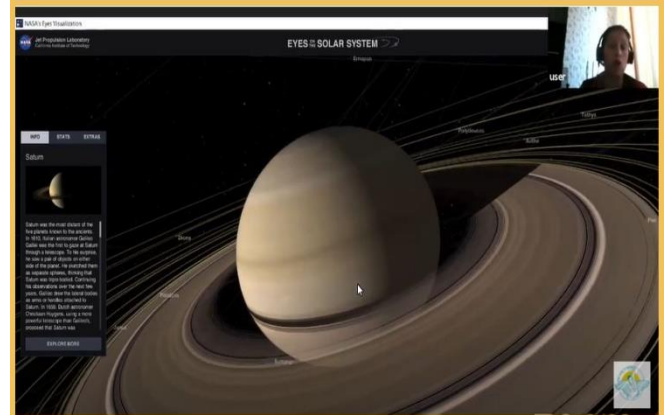
Live chat replay
Top chat replay

- method of parallax is not suitable for distant stars?
- 25:56 Shirang Sapate will the radial velocity and transverse velocity will have certain angle or it would be perpendicular always?
- 26:03 rohit chinchwadkar Hello ma'am, how frequently gaia scan the whole sky?
- 31:24 mudasir raja in 5 years.. 75 to 80 times



DOORSTEP ASTRONOMY: GLIMPSES OF LIVE SESSION

WORLD SPACE WEEK - 2020



REC Prabhat Mishra is presenting

NILESH KUMAR SRIVASTAVA DOONIA and 86 more

JUPITER AND SATURN CONJUNCTION: HOW TO SEE IT?

- On the evening of Dec. 21, the planets Jupiter and Saturn will appear closer together than in almost 800 years, only a tenth of a degree apart. They won't be this close again until March 2080.
- Though the two gas giant planets are physically almost half a billion miles apart, their orbital motions periodically bring them close together, from our perspective on Earth.
- Where to find them: above the southwest horizon shortly after sunset.

Prabhat Mishra

REC Prabhat Mishra is presenting

ADITYA BAI DOONIA and 81 more

Prabhat Mishra

The Great Conjunction 2020

WHAT IS A CONJUNCTION?

Conjunction" in astronomy means 2 objects appear on our sky's.

Two or more objects appear to be close together in the sky. Objects in the sky will likely be close together for a short time.

Vaishali Mittal

WHY IS THIS YEAR'S SPECTACLE SO RARE?

10 years since the last time the two planets were so close to each other and nearly 800 years since the last time Jupiter and Saturn were so close to each other at night, as it will be for everyone to witness this event.

It is easy to see with the naked eye looking towards the southwest after sunset.

Vaishali Mittal

Activate Windows
Go to Settings to activate Windows.

Bal Bharati PUBLIC SCHOOL
New P. Noida

THE GREAT CONJUNCTION 2020.

TWO GAS GIANTS- JUPITER & SATURN WILL BE VERY CLOSE. IT'S A VIEW OF LIFETIME. JOIN ME FOR A VIRTUAL TOUR AND A DISCUSSION. IT WILL ALSO BE LIVESTREAMED ON THE FOLLOWING YOUTUBE LINK ON DECEMBER 21, 2020 5 P.M. MST.

LINK: <https://youtu.be/XrRdaWu1Q>

DATE TIME	CLASS	MEDIUM
21.12.2020 AT 11.15 A.M.	V	GOOGLE MEET

TEACHER INCHARGE : SMRITI SHARMA
HM(PRIMARY)

Teacher In-charge: Ms. Vaishali Mittal, Mr. Prabhat Mishra, Ms. Smriti Sharma