

Date: 4<sup>th</sup> Feb 2019

**Universe in the School (UITS)**  
**G.D. Goenka Public School, Sarita Vihar**  
**Month End Report *January, 2019***

**INTRODUCTION:**

Universe in the School is a program running in the school to integrate astronomy as part of curriculum for class I-VIII.

We are delighted to present the month end report for the month of “**January, 2019**” to your school. This report will flash light on the ***sessions, events and projects*** that the student participated in the month of “*January*”.

**HIGHLIGHTS OF THE MONTH:**

- **Selfie with Super Moon**
- **Exhibition: Astronomy Corner prepared**

**SUMMARY OF THE PROGRAMS CONDUCTED AT SCHOOL:**

***SESSIONS***

CLASS	SESSION	SESSION TYPE	DESCRIPTION	LEARNING OUTCOMES
Class I	Star making activity.	Discussion and Activity	In this session students performed an activity in groups to make stars on black sheet they stick stars and by joining the stars by lines they made beautiful patterns.	Students were able to learn that stars have their own light and constellation is the group of stars.  Critical, motor, team spirit and scientific skills were built among the students.
Class I	What belongs to the sky?	Multimedia and Discussion	This session talked about the objects of sky. Students were made aware about the planets,	Through this session they learnt about different celestial objects of the sky.

			stars Sun, moon etc.	Scientific, Observing, cognitive and imaginative skills were built among the students.
Class I	Straw rocket race.	Activity	In this session students were introduced about straw rocket. They made paper rocket using sheets and launched them using straws.	Students learnt how straw rocket constructed and were able to define the term rockets.  Observational, scientific, reasoning, motor and Cognitive skills were built among the students.
Class II	More about stars.	Discussion and Multimedia	Students discussed about stars and watched Multimedia presentation based on it.	Students learnt about the Nebula, and different colored stars.  Scientific, Reasoning, Comprehensive skills were enhanced.
Class II	What causes day and night?	Activity and Discussion	Students Performed an activity wherein they used globe and torch and rotated the Earth and understood day and night caused by Rotation.	Students learnt the importance of rotation of Earth.  Creative, Motor and logical skills were developed.
Class II	Earth's cover atmosphere.	Discussion	Students saw a video of Earth's atmosphere. They were told about the importance of Earth's atmosphere.	Students were able to define the term Earth's atmosphere. They also learnt how atmosphere protects our Earth.  Their scientific temperament was enhanced along with Observational skills.
Class III	Telescope and	Multimedia,	Students were told about	Students learnt about the

	its power.	Discussion and Activity.	telescope, its parts and discovery by multimedia presentation.	parts of telescope and its importance.  Cognitive skills, Motor, Analytical and scientific temperament were enhanced.
Class III	What causes day and night?	Activity and Discussion	Students Performed an activity wherein they used globe and torch and rotated the Earth and understood Rotation causes day and night.	Students learnt the importance of rotation of Earth.  Creative, Motor and logical skills were developed.
Class IV	Phase of the moon	Multimedia, Discussion and Activity.	Students were told about different Phases of the moon, lunar month, waxing and waning cycle.	Student learnt about phases and its cause. They were able to distinguish between waxing and waning.  Cognitive skills, Motor, Analytical and scientific temperament were enhanced.
Class IV	Construction of Stomp rocket.	Discussion and Activity	Students were told about the steps of construction of stomp rocket in group of 4 students. They were told the functioning and science of rocket.	Students learnt to construct the rockets along with the principal behind it.  Cognitive skills, Motor, Analytical and scientific temperament were enhanced.

Class V	Construction of Stomp rocket.	Discussion and Activity	Students were told about the steps of construction of stomp rocket in group of 4 students. They were told the functioning and science of rocket.	Students learnt to construct the rockets along with the principal behind it.  Cognitive skills, Motor, Analytical and scientific temperament were enhanced.
Class VI	Earth's shield atmosphere.	Discussion	Students saw a video of Earth's atmosphere. They were told about the importance of Earth's atmosphere.	Students learnt about Earth's atmosphere. They also learnt how atmosphere protects our Earth.  Their scientific temperament was enhanced along with Observational skills.
Class VI	Laws of motion.	Discussion and activity.	Students were told Newton's three laws of motion by different activities	Students learnt about inertia, momentum, aerodynamic stability.  Critical thinking, Scientific, Motor, Analytical skills were developed.
Class VII	Refractor Telescope	Multimedia and Discussion	Students were introduced that telescope is tool for astronomers	Students learnt about parts of telescope and its discovery.

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			through which far away objects can be seen clearly.	Critical thinking, Motor, Analytical and Observational skills were developed.
Class VII	Differential rotation of sun.	Multimedia and Discussion	Students got to know the rotation of sun.	Students learnt the different causes of rotation of sun.  Reasoning and Questioning skills were built among the students.
Class VIII	Refractor telescope.	Multimedia and Discussion	Students were introduced telescope, its part, discovery and functioning.	Students learnt about the parts of telescope and its discovery.  Cognitive skills, Motor, Analytical and scientific temperament were enhanced.
Class VIII	Meteoroids, Meteors and Meteorites	Multimedia and Discussion	Students understood the difference between meteoroids, meteors and meteorites.	Students were able to distinguish between the three types of space rocks Asteroids, Comets and Meteors. They also learnt how meteors are different from meteorites.  Scientific, Critical and Observing skills were built among the students.

### **Photographs taken during the Sessions:**

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Students of Class IV B made  
Solar System on sheet.



Students of Class III A performed  
activity - Rotation causes day and night.

## **SPACE OUTREACH PROGRAMS/PROJECTS/WORKSHOPS/COMPETITIONS:**

### **1. Selfie with Super Moon:**

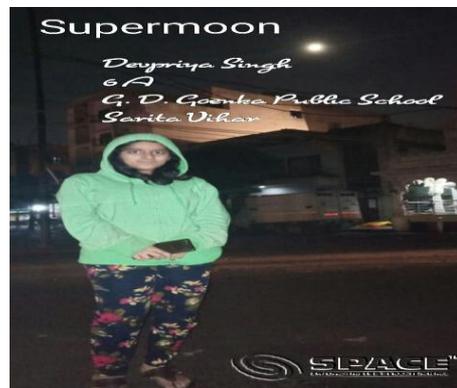
**Date:** 21<sup>st</sup> January 2019

**Time and Venue:** Evening Hours, Respective Homes

#### **DETAILS OF THE EVENT:**

Supermoon! The Full Wolf Moon of January coincides with the moon & closest approach to Earth. The moon appeared up to 14 percent larger and 30 percent brighter than usual. Students of class VII & VIII clicked their first Astro-photograph with Moon and uploaded them on social media. Students and parents were made aware about the meaning of Super Moon.

#### **PHOTOGRAPHS**



Devpriya Singh student of class VI A  
clicked selfie with supermoon

## 2.Exhibition-Astronomy Showcase

**Date:** 19<sup>st</sup> January 2019 (PTM and Exhibition conducted on same day.)

**Time and Venue:** 9.00 AM to 12.30 PM , School Play ground

### DETAILS OF THE EVENT:

**Exhibition:** Students of class III VIII participated in Exhibition. There was an Astronomy Corner decorated by Educator and Students of class VII A. Plethora of activities were displayed during the showcase some of them were: tattoo junction, solar observation, ring the planet, pop rocket launch, discovering the skies and weigh yourself on different planets.

### PHOTOGRAPHS:



Teachers of school took selfie in Photo booth.



Students participated in Discovering the skies activity



Ms. Stuti (Teacher of the school) was weighing herself on different planets.

### REPORT COMPILED & SENT BY:

Ms. SHEEBA SALEEM-Educator

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