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# **ASTRONOMY DAY**

## **SRI VENKATESHWAR INTERNATIONAL SCHOOL**

### **Sector 18A, Dwarka**

### **1<sup>st</sup> and 3<sup>rd</sup> April, 2017**

ASTRONOMY DAY is culmination of SPACE Astronomy club, where club students get a platform to showcase their learning through club activities to the school management as well as their fellow students. While preparing for Astronomy day, students enhance their life skills such as Management, Organizational, Leadership, Scientific Temperament, Presentation, Decision Making and Logical Reasoning. The event is planned and executed by club students, with support and guidance from SPACE Educators and the school coordinator, thereby increasing their confidence and communication skills.

On April 1<sup>st</sup> and 3<sup>rd</sup> 2016, SPACE club Module 1 and Module 2 students of Sri Venkateshwar International School, Sector 18A, Dwarka, celebrated ASTRONOMY DAY in their school. Around 300 students and parents attended the event.

The following activities were conducted on Astronomy day:

#### **LAUNCHING OF HYDRO ROCKETS**

In this activity, SPACE club students explained the parts of a rocket and its launchers. After explaining the parts of a rocket, club students explained NEWTON'S THIRD LAW OF MOTION i.e., every action has an equal and opposite reaction, on which a rocket works. The students enacted various roles during the rocket launch process.

As the explanation part finished, one or two parents from audience launched a big 2L hydro rocket. Mini hydro-rockets were launched from different launchers as well. The other members in the audience enjoyed the launches as they were amazed to see model hydro-rockets flying in their school premises and appreciated the application of laws of motion.

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Parents enjoyed Hydro Rocketry the most

### METEOR ATTACK

Crater making activity made the audience visualize the formation of craters on the Lunar surface; and about different features visible on the moon. The students explained the features of the moon to the audience and told them about the missions sent to the moon using the moon poster. Then, the audience had to aim marbles to the Apollo landing sites set as targets on the moon surface, thus making craters on the surface. The audience visualized and understood how impact craters are formed on the moon surface, and how the angle and impact of the colliding objects are the deciding factors of shape and size of the crater.



Parents enjoyed Meteor Attack game

### COMET KITCHEN

In this activity, SPACE club students explained about Comets and also made comet with readily available household material. During the making of comet, the club students followed all the safety measures and ensured the importance of these measures to their fellow students. Through this activity, the audience students learnt the definition, parts, size, content etc. of a

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comet. The audience were excited to see the comet and they were amazed to see the simple process of comet making.



Astronomy Volunteers demonstrated How to make comet



Students along with parents had good experience with freshly made comets

### TATTOO MAKING

In this activity, SPACE club students made ASTRONOMY tattoos on the hands of students and parents who came to participate in the ASTRONOMY DAY. This activity was an amalgamation of arts and science.



Little students were fascinated to make astronomy tattoos on their hands

### LUNGS CAPACITY TEST

TRAIN TO BE AN ASTRONAUT is one of the most popular activity of Astronomy Day. Student volunteers first explained about different trainings what Astronauts go through before going to Space. After this volunteers give straw and some small paper pieces to audience. Now audience have to pick those papers using these

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straws and they have to put it inside a bowl. This simple activity enhances their lung's capacity. So this activity is also popularly named as LUNG'S CAPACITY TEST activity.



Students enjoyed Lungs capacity test activity

### RING THE PLANET

In the RING THE PLANET activity, the audience try to aim at the different planet shaped balls with rings provided to them. Each successful aim gets an additional turn up to three successful rings, whereupon prizes are handed out to the winners.



Parents enjoyed Ring the Planet game



Students enjoyed Ring the Planet Game

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## SAFE SOLAR OBSERVATION

This activity was displayed by the students to make the audience understand the importance of taking proper precautions while viewing the Sun. All the safe ways to observe the Sun were on display, including solar view goggles, pin-hole projector, ball projector and telescopic projection. An 8 inch telescope was also used by the students to let the audience look at the Sun directly after placing a solar filter. The students also talked about all the unsafe ways of observing the Sun.



Parents were amazed after observing Sun spot from telescope



Student observed Sun using Solar View Goggles

## CREATING A SKY MAP

Students displayed the Sky Maps that they assembled during their session on Celestial Grids. They explained the purpose and the use of Sky Maps. After that volunteers gave constellation riddles to the audience and within a certain time period all have to solve the riddle.



Astronomy Volunteers explained about



Students explored constellations from Sky map

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### TERRESTRIAL OBSERVATION

The students pasted stickers of planets on a window at the top floor of the school building, and asked the participants to point the telescopes (50 mm, refractor) at the stickers and identify the planets.



Parents observed terrestrial objects using  
Telescope



Parents explored the scenic beauty of the  
school with the help of the telescope

### FEEDBACK FOR ASTRONOMY DAY

The event was well appreciated by the parents, students, teachers and school management. The SPACE team got amazing feedbacks.

Quoting one of them here:

“Absolutely Amazing. Always shine like stars. KEEP IT UP !!!.” – Parents

**Report by:**  
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**Educator**

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