Activity Report: Exploring the Universe with Chandrayaan!
Grades(3-5)

1. Event Overview

The "Exploring the Universe with Chandrayaan" event provided an engaging educational experience for our young learners, focusing on the Chandrayaan mission. Through a series of interactive activities tailored to different grade levels, students explored the wonders of space and gained a deeper understanding of India's achievements in space exploration.

2. Activities and Highlights

2.1. Grade 3: Creative Picture Stories

- **Description:** Students in Grade 3 created imaginative picture stories that depicted the Chandrayaan mission, incorporating captivating one-liners to narrate their stories.
- **Highlights:** The activity encouraged creativity and storytelling, allowing students to illustrate and share their interpretation of Chandrayaan's journey. The stories were displayed in a gallery format, showcasing the students' artistic skills and understanding of the mission.

2.2. Grade 4: Quiz Competition

- **Description:** Grade 4 students participated in a quiz competition designed to test their knowledge of Chandrayaan and India's space achievements.
- **Highlights:** The quiz featured a range of questions on the Chandrayaan mission, space science, and astronomy. It was an exciting and educational challenge that highlighted the students' comprehension and enthusiasm for space exploration. Winners received certificates and space-themed prizes.

2.3. Grade 5: Modeling and Launching Chandrayaan

- **Description:** In Grade 5, students modeled their own versions of Chandrayaan and conducted a simulated launch, allowing them to experience the excitement of space exploration firsthand.
- **Highlights:** Students used various materials to create detailed models of Chandrayaan, including its lander and rover. The launch simulation involved a presentation where students explained their models and demonstrated their functionality. This hands-on activity fostered a practical understanding of spacecraft design and mission operations.

3. Student Engagement and Achievements

- **Creativity:** The picture stories from Grade 3 highlighted the students' imaginative skills and their ability to convey complex ideas in a simple and engaging manner.
- **Knowledge:** The quiz competition for Grade 4 showcased the students' knowledge of space science and their enthusiasm for learning about India's space missions.

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- **Practical Skills:** The model-building and simulation in Grade 5 provided a practical learning experience, enhancing students' interest in engineering and space exploration.

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4. Conclusion

The "Exploring the Universe with Chandrayaan" event was a resounding success, sparking curiosity and enthusiasm among our young learners. The activities were well-received, providing students with a fun and educational experience centered around space exploration.

We are incredibly proud of our budding space enthusiasts and their remarkable achievements. Their creativity, knowledge, and passion for space exploration were truly inspiring.

Thank you to all the students, teachers, and volunteers who made this event memorable. Let's continue to reach for the stars! 🌟

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National Space Day Event Activity Report
Grades (6-8)

Date: 22/Aug/2024
Location: Raghav Global School,Noida

1. Event Overview

In celebration of National Space Day, our event focused on the historic Chandrayaan-3 mission, which marked a significant milestone in lunar exploration. The event featured various activities, including a 3D model of the lunar mission, space-themed paintings, a photo album capturing the day's events, and a working model of the Chandrayaan-3 spacecraft.

2. Activities and Highlights

2.1. 3D Model of Chandrayaan-3

- **Description:** A detailed 3D model of the Chandrayaan-3 spacecraft was created to illustrate its design and mission objectives.
- **Materials Used:** Cardboard, foam, paint, and various craft supplies.
- **Highlights:** The model featured a scale representation of the lander, rover, and the overall configuration of the spacecraft. An interactive display allowed students to explore different components of the mission and understand the technical aspects of the Chandrayaan-3.

2.2. Space-Themed Painting

Description: Create a stunning painting to celebrate the Chandrayaan-3 launch! Your artwork will capture the lunar landscape, the Chandrayaan-3 spacecraft, and the ISRO logo, showcasing your creativity and appreciation for space exploration.

Materials Needed:

- Acrylic paints
- Canvas
- Brushes

Instructions:

1. **Sketch:** Start by sketching the lunar surface and the Chandrayaan-3 spacecraft on your canvas.
2. **Paint:** Use acrylic paints to bring your sketch to life. Focus on details like the lunar craters, the spacecraft’s features, and the ISRO logo.
3. **Final Touches:** Add finishing touches to make your painting vibrant and engaging.

Objective: Express your artistic skills while honoring the achievements of the Chandrayaan-3 mission.

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2.3. Photo Album

- **Description:** A photo album was assembled to document the event's activities, including the 3D model, painting, working model, and various interactions throughout the day.
- **Highlights:** The photo album featured high-resolution images of the exhibits and candid shots of attendees engaging with the displays. Captions and descriptions provided context for each photo, and the album was made available both digitally and in print.

2.4. Working Model of Chandrayaan-3

- **Description:** A functional model of the Chandrayaan-3 spacecraft was built to demonstrate its key features and operations.
- **Materials Used:** Electronic components, plastic, and modeling clay.
- **Highlights:** The working model included features such as retractable landing legs and a simulated control panel. Live demonstrations showcased how the spacecraft's systems function, giving participants a hands-on understanding of the mission's technology.

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3. Students Engagement

- **Workshops:** Students attended workshops where they learned about the Chandrayaan-3 mission, its scientific goals, and the technology behind the spacecraft. Students also had the opportunity to build their own mini-spacecraft models.
- **Q&A Sessions:** Teachers conducted Q&A sessions, providing in-depth explanations and answering questions about the Chandrayaan-3 mission and space exploration in general.

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4. Conclusion

The National Space Day event successfully highlighted the achievements of the Chandrayaan-3 mission, offering an engaging and educational experience for all students. The combination of interactive displays and creative presentations effectively showcased the mission's significance and inspired a deeper interest in space exploration.

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Chandrayaan Utsav (Grades 9-12)
Space Mission of Bharat: The Chandrayaan Mission

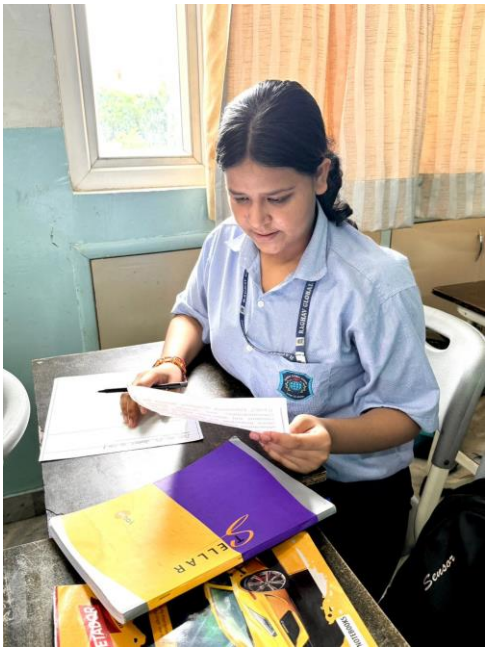
Date: August 22, 2024
Venue: Raghav Global School, Sec-122, Noida

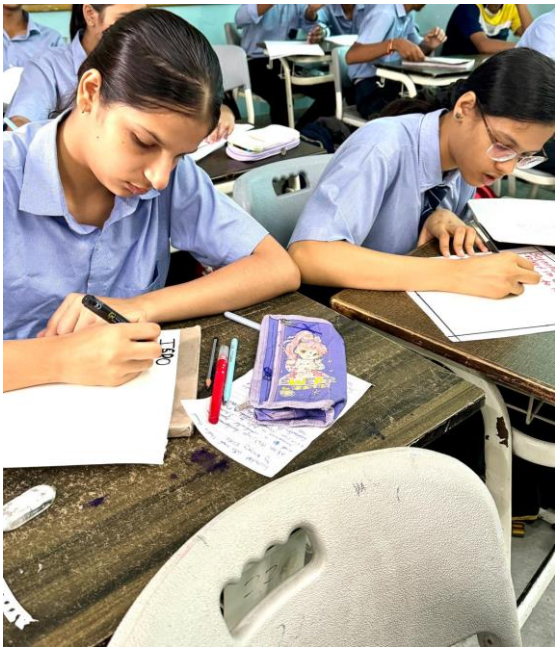
Introduction:
It's a great opportunity for our students to engage with these accomplishments through experiential learning as we commemorate the incredible feats of India's Chandrayaan missions. The Chandrayaan Utsav rocket building project builds a link between space exploration fantasy and reality.

Activity-1
After learning about space missions, the space agency of our country, ISRO, and its journey so far, find out about the scientists who were instrumental in bringing Bharat's space research to its present stature.

The activity was conducted to enhance the understanding and knowledge of students about the contribution of India in space research. The students were asked to read about the scientists involved in bringing ISRO to its present stature.
The activity was titled **'ISRO and its journey so far'** wherein the students actively participated in group discussions, speeches and created posters on the same.

The students were very happy and enthusiastic to discuss different space programs. A sense of pride and honor was enlightened among the students after learning about Indian scientists and their work.





Activity 2: Make your own Rocket

Requirements:
A 1.5 L/2 L narrow-neck empty bottle, vinegar(100 – 200 mL), baking soda (1 – 2 table spoons), a funnel, a cork, few tissue papers, and a tripod stand.

Procedure:
• Take an empty bottle and pour 100 – 200 mL of vinegar into it with the help of a funnel.
• Pour 1– 2 tablespoons of baking soda into the bottle and quickly close (tighten) the opening with the help of a cork and tissue paper.
• Turn the bottle upside down (mouth towards the ground) and place it on the tripod stand.

Caution:
Move yourself a few steps away from the setup and let the acid-base reaction take place. As a result of the reaction, carbon dioxide(CO_2) gas is produced. This gas exerts an upward pressure from inside the bottle and generates enough thrust to launch it into the air.

Outcome of the activity:
The Chandrayaan Utsav and rocket-building activity are more than simply educational opportunities; they are a celebration of India's accomplishments and a springboard for your future. As we finish this project, we take pleasure in our accomplishments, knowing that you are part of a long heritage of exploration that extends from your classroom to the great reaches of space.

Teacher incharge: Mr. Vikas Pradhan

Pictures:

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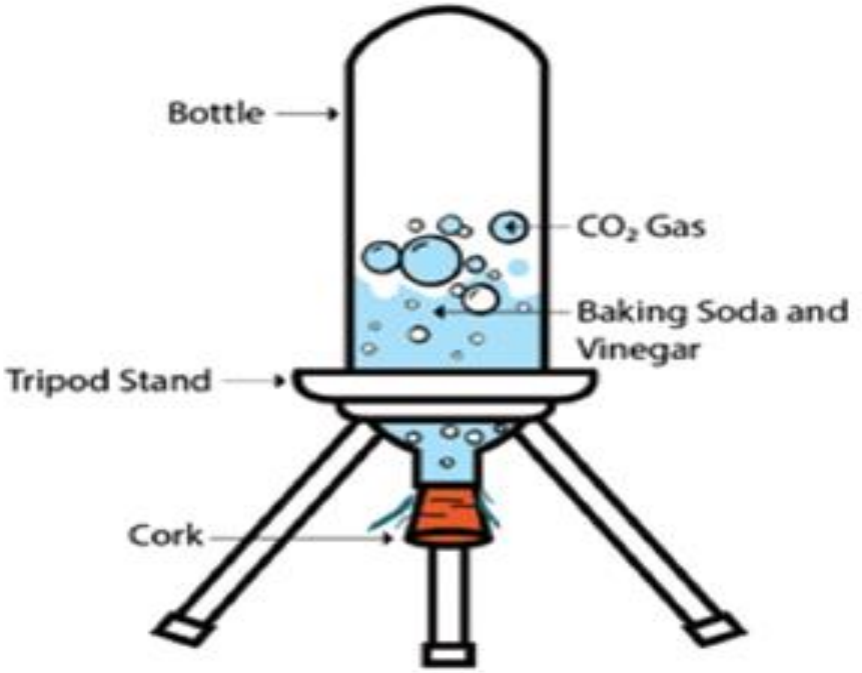
Bottle
CO_2 Gas
Baking Soda and Vinegar
Tripod Stand
Cork