

# ASTRONOMY CLUB REPORT

SESSION 2024-2025

MONTH– JULY'24

TITLE: Handprint A for Alien

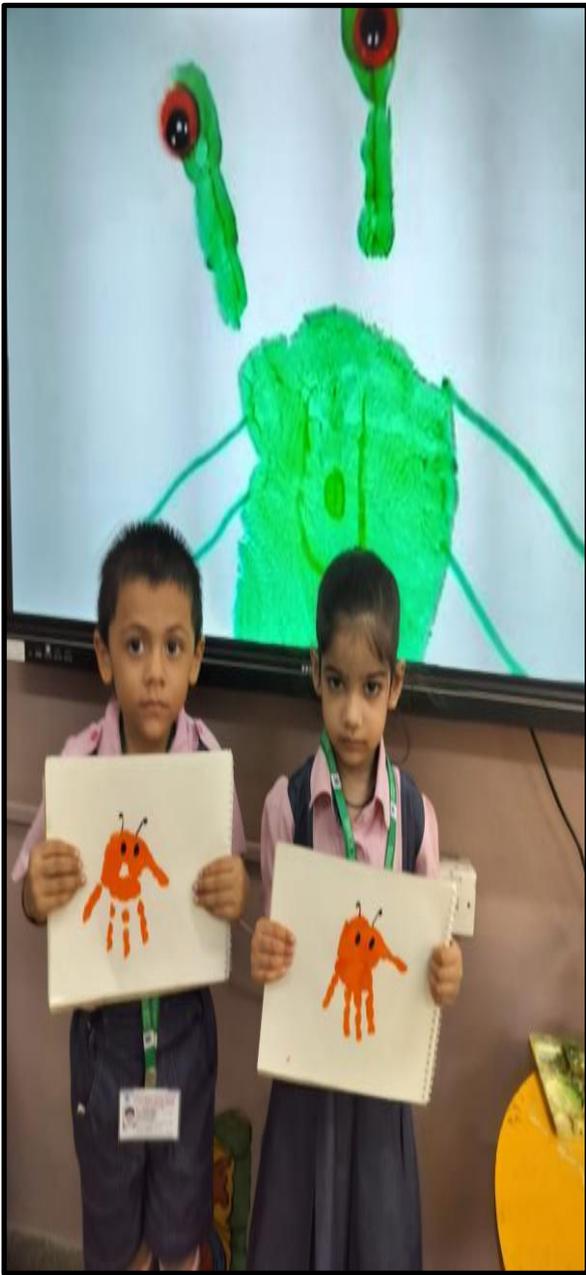
Classes	PreSchool
Total No. of Students	103
Total No. of Submissions	88
Date	10.07.2024
Mode	Offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Aesthetic sense, creativity.
Learning Objectives	The students will be able to: 1.Recall that A is for Alien. 2.develop Eye-hand coordination while painting an imprint of their hand 3.enjoy the activity and enhance their creative ideas.
Conducted by	Ms Mahima Ms Anupama Ms Nisha

Description of the activity:For this activity, each learner used paint and made Alien miniatures with hand-printing. The teacher introduced them to making the alien by hand-printing by showing a video. The learners saw how they can be creative in painting with their hands. The learners then tried out making Alien with paint.

Learning Objectives: Students were able to:

1. Recall A for Alien.
2. Develop eye hand coordination while painting an imprint of their hand.
3. They enjoyed doing the activity.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-



Classes	Pre-Primary Activity	<u>Descript</u> <u>ion of</u> <u>the</u> <u>Activity</u> : A sensory Bin will be created in which a number of objects related to astronom y and space made of cardboar
Total No. of Students	103	
Total No. of Submissions	91	
Date	16.07.2024	
Mode	Offline	
Art Integration / Gamification / Experiential Learning	Art Integration	
Skills Developed	Sensory motor skills, observation skills, aesthetic sense.	
Learning Objectives	The students will be able to- 1.develop their sensory motor skills . 2.They will learn about the various celestial objects in space by engaging their sensory motor skills. 3.they will enjoy the activity as it is blended with creativity and fun and involves learning by doing.	
Conducted by	Ms Shina Ms Rekha Ms Kusum Sethi	

d/ chart papers will be kept. Students will ,observe them,know about them recall the alphabets of the objects they are holding in their hands.

Learning Outcomes: Students were able to-

1. recall the alphabets.
2. Enjoy this activity.
3. Develop their sensory motor skills.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-



## TITLE : Shadow Puppets

Classes	I A and I B
Total No. of Students	108
Total No. of Submissions	99
Date	19.7.24
Mode	Offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Aesthetic sense, creativity.
Learning Objectives	The students will be able to-  1.understand the concept of how shadows are created.  2.Develop creative skills and enjoy doing the activity.
Conducted by	Ms. Jasmeet kaur Ms. Manvi

### Description of the Activity:

Students will make cutouts of different simple objects like crescent moon, shooting star, star, astronaut and rocket and stick the cutouts on an ice-cream stick.

### Learning Outcomes:

Puppets can help children to learn rhymes and songs as they imitate the puppet too. There are a number of motor skills that children can improve through playing with puppets. The fine movement required to wear a puppet helps with dexterity and using fingers to manipulate the puppet improves fine motor coordination.

### ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-





Title: ALIEN MASKS

Classes	II A and B
Total No. of Students	106
Total No. of Submissions	80
Date	26.7.24
Mode	Offline
Art Integration / Gamification / Experiential Learning	Art integration
Skills Developed	Creativity and Innovation
Learning Objectives	<ul style="list-style-type: none"><li>➤ This activity will help them provide a better understanding of our culture significance and historical context of masks in various traditions and societies.</li><li>➤ This will help them increase their level of creativity.</li></ul>
Conducted by	Ms. Paridhi and Ms. Komal

Description of the Activity:

Designing: Ask participants to sketch their designs on paper first, considering colors , patterns, and any symbolic elements they want to include.

Materials Needed:

Mask templates, Paints and brushes, Markers and coloured pencils, Glue and Scissors, Elastic bands

Learning Outcomes:

1. Technical Skills: Learn and practice various artistic techniques and craftsmanship skills
2. Creative Problem- Solving: Crafting with leaves encourages innovation and creativity in design.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-



II-A



II-B



## Title: Layers of Earth

Classes	IIIA and III B
Total No. of Students	103
Total No. of Submissions	95
Date	22-7-2024
Mode	Offline
Art Integration / Gamification / Experiential Learning	Experiential Learning
Skills Developed	Creativity and art integration
Learning Objectives	Children will get aware about the different layers of the Earth.
Conducted by	Ms. Komal and Ms. Vibha

### Description of the Activity:

Students can make a collage based paper model of the different layers of the earth's crust. Or a 3D model related to this using clay dough.

### Learning Outcomes:

Students will be able to :

understand about the various layers of the earth's crust.

create a scientific model, representing a complex system in a simplified way.

### ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-





Title: Rocket Launcher

Classes	IV A and B
Total No. of Students	106
Total No. of Submissions	80
Date	26.7.24
Mode	Offline
Art Integration / Gamification / Experiential Learning	Art integration
Skills Developed	Creativity and Innovation
Learning Objectives	<ul style="list-style-type: none"> <li>➤ This activity will help them provide a better understanding of our culture significance and historical context of rockets.</li> <li>➤ This will help them increase their level of creativity.</li> </ul>
Conducted by	Ms. Paridhi and Ms. Monika

Description of the Activity:

Designing: Ask participants to sketch their designs on paper first, considering colors , patterns, and any symbolic elements they want to include.

Materials Needed:

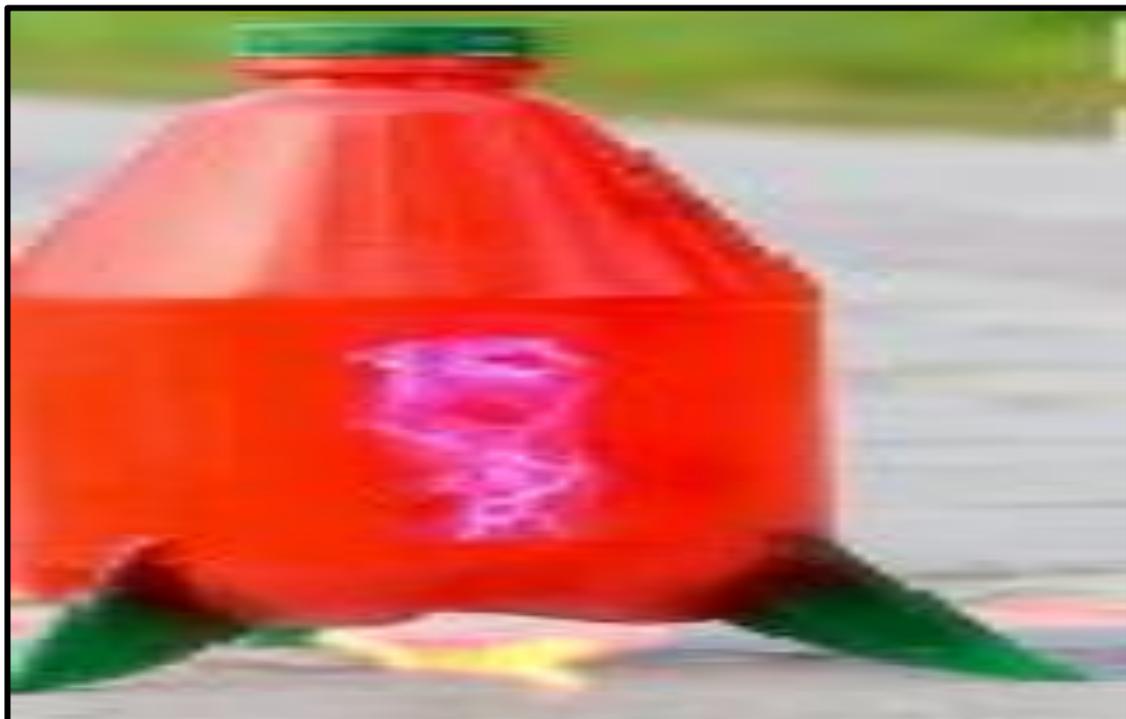
Plastic Bottle, Paints and brushes, Markers and coloured pencils, Glue and Scissors

Learning Outcomes:

1. Technical Skills: Learn and practice various artistic techniques and craftsmanship skills

Creative Problem- Solving: Crafting with leaves encourages innovation and creativity in design.

ACTIVITIES AT A GLANCE (PICTURES / VIDEOS LINKS / ANY OTHER FORMAT)-



Classes:	V A and VB
Total No.Of Students:	105
Total No.Of Submissions:	80
Date:	26.07.2024
Mode:	Offline
Art Integration/Gamification/Experiential Learning:	Art Integration
Skills Developed:	Art of presenting a speech , creativity,Scientific knowledge
Learning Objectives:	The students will be able to- 1.learn about who is an Astronaut/scientist 2.develop speaking skills in public 3.Research about the various Indian astronauts /scientists.
Conducted By:	Ms.Manisha and Ms.Dimple

Description of the Activity:

Students will speak a few lines on who is an astronaut /scientist, the names of the Indian astronauts/scientists they know about and their favourite astronaut/scientist.

Learning Outcomes: Students were able to –

- 1.understand who is an astronaut/scientist.
2. name the famous astronauts/scientists of India.
- 3.develop the confidence for public speaking .
- 4.get inspired from the lives of these scientists /astronauts.

ACTIVITIES AT A GLANCE(PICTURES/VIDEO LINKS/ANY OTHER FORMAT)





## TITLE: 3D model/Posters on Layers Of the Sun

Classes:	VI A and VI B
Total No.Of Students:	104
Total No.Of Submissions:	60
Date:	24.07.2024
Mode:	Offline
Art/Integration/gamification/Experiential Learning:	Art Integration
Skills Developed:	Scientific knowledge, aesthetic sense, creativity
Learning Objectives:	The students will be able to- 1.study about the biggest star close to the Earth. 2.Recall about the composition of the Sun.
Conducted By:	Ms.Rableen and Ms.Manisha

Description Of the Activity : Students were first introduced and explained about the various layers of sun like the core, radiative zone, convection zone as the inner layers and the chromosphere, photosphere and the Corona being the outer layers. Then they were asked to draw these layers on an A4 size sheet and paste it in their notebooks/prepare a 3D Model on it and present it in the class.

Learning Outcomes: Students were able to:

1. understand the structure of a Sun and recall its various layers.
2. Unleash their creative skills when engaged in preparing working models.

### ACTIVITIES AT A GLANCE(PICTURES/VIDEO LINKS/ANY OTHER FORMAT)





## TITLE: Stem Challenge-Design A Lunar Lander

Classes:	VII A and VII B
Total No.Of Students:	106
Total No.Of Submissions:	98
Date:	03-07-2024
Mode:	Offline
Art Integration/gamification/Experiential Learning:	Art Integration
Skills Developed:	Scientific knowledge,creativity,experiential learning,learning about design techniques
Learning Objectives:	The students will be able to- 1.engage in hands-on STEM related activity. 2.figure out how to design a rover and understand about the challenges faced during descent on lunar surface.
Conducted By:	Ms.Kamia,Ms.Rableen and Ms.Monika.

Description About The Activity: This activity is designed by NASA Space educators for middle school students.The students were first explained how a lunar lander is designed keeping in mind the challenges it faces during descent.Then they were asked to build their own lander using paper cups, cotton balls ,straws, index cards etc.so that when the lander lands the astronauts sitting should not fall off from the lander. The students enjoyed performing this activity.

Learning Outcomes: Students were able to:

1. Understand the challenges during descent on lunar surface.
2. Understand the design principle while creating a rover /lunar lander.
3. Enjoy the activity.

ACTIVITIES AT A GLANCE(PICTURES/VIDEO LINKS/ANY OTHER FORMAT)





## TITLE: Brochure Designing On Travel To Mars

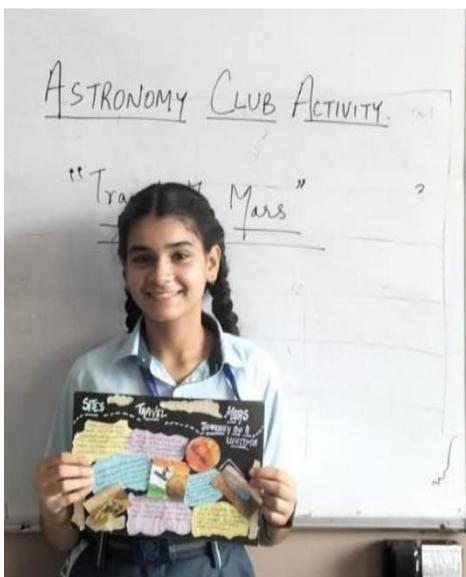
Classes:	VIII A and VIII B
Total No.Of Students:	108
Total No.Of Submissions:	96
Date:	10-07-2024
Mode:	Offline
Art/Integration/gamification/Experiential Learning:	Art Integration
Skills Developed:	Scientific knowledge, creativity ,Aesthetic sense
Learning Objectives:	The students will be able to- 1.develop research based skills to know interesting facts about planet Mars. 2.enhance creative skills on how to design a brochure
Conducted By:	Ms.Monika, Ms.Manisha and Ms.Rableen

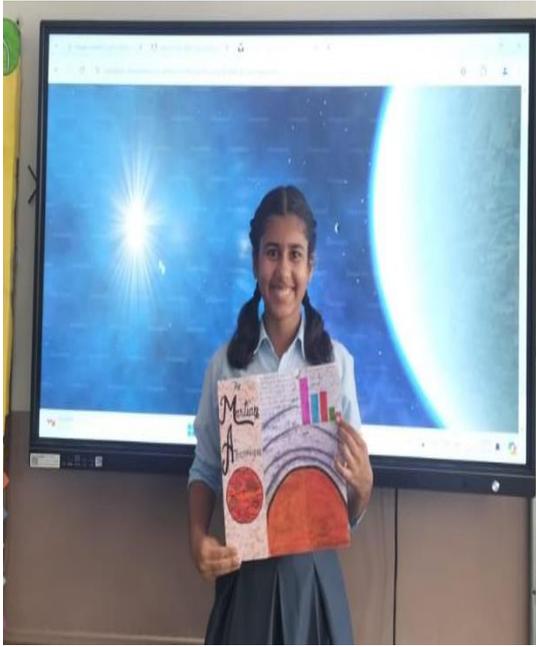
**Description Of The Activity: Design a Brochure:** Students will prepare a brochure related to the Martian atmosphere ,soil and related information along with pictures.This will enhance their knowledge about the planet Mars .

**Learning Outcomes:** Students were able to -

1. Research in detail about the atmosphere of planet Mars, about the composition of the martian soil and various interesting facts about this planet and missions to Mars.
2. Enhance their creative skills to design a brochure on Planet Mars.
3. Enjoy working in groups for this activity.
4. Develop a curiosity for space exploration.

### ACTIVITIES AT A GLANCE(PICTURES/VIDEO LINKS/ANY OTHER FORMAT)





**TITLE: Power Point Presentation on Aditya L1: India's Solar Mission**

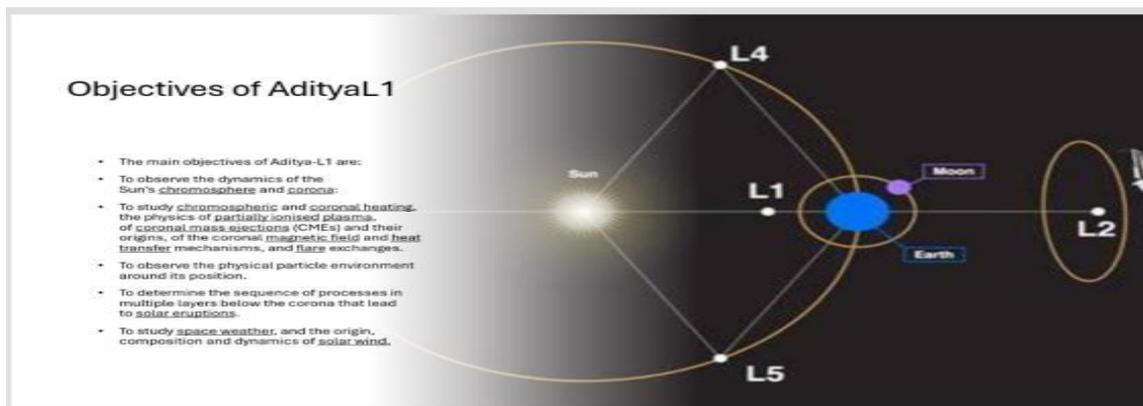
Classes:	IX A and IXB
Total No.Of Students:	104
Total No.Of Submissions:	90
Date:	24.07.2024
Mode:	Offline
Art/Integration/Gamification/Experiential Learning:	Experiential learning ,Art Integration
Skills Developed:	Scientific knowledge , Creative skills
Learning Objectives:	The students will be able to- 1.recall the purpose of ADITYA L1 2.research about the dynamics of the Sun's chromosphere. 3.Prepare a power point-presentation and unleash heir creative skills.
Conducted By:	Ms.Kamia,Ms.Rableen,Ms.Manisha,Ms.Monika
Any other	-

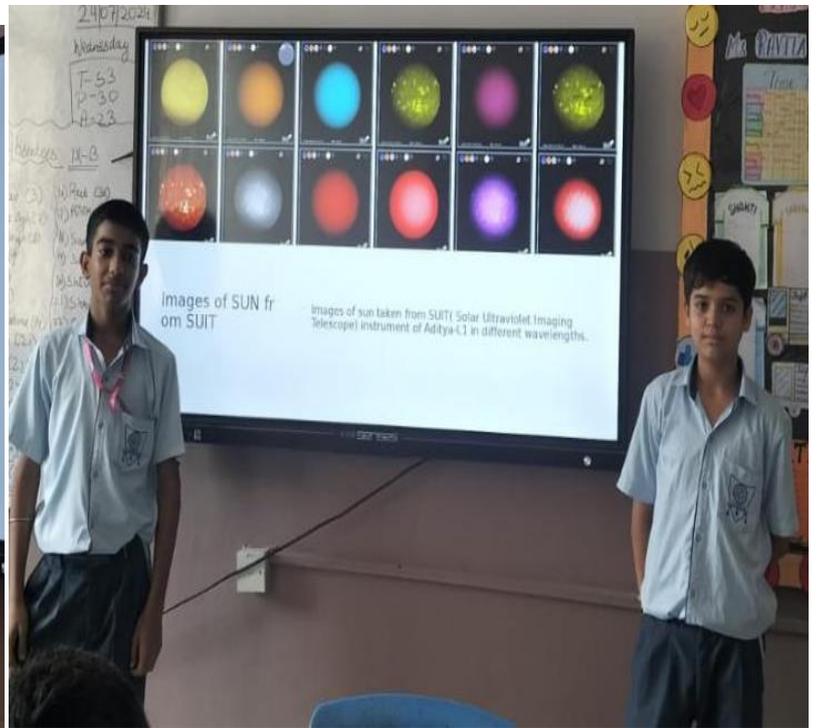
Description of the Activity: The students were asked to perform this activity in groups.They were asked to research about the objectives of Aditya L1 , why scientists are keen to study about the Sun, what is Lagrange's Point L1 and about the various features of Aditya L1.Then the students were asked to compile this information in the form of a power point presentation and present it in the class.

Learning Outcomes: Students were able to :

- 1.Work collaboratively in groups.
- 2.Research on the purpose and objectives of Aditya L1 and India's successful solar mission.
- 3.Appreciate India's presence in the Space world and get inspired to explore the space as future astronauts.

ACTIVITIES AT A GLANCE(PICTURES/VIDEO LINKS/ANY OTHER FORMAT)





## Unraveling the Mysteries of the Sun

The **Aditya L1** mission will provide valuable insights into the Sun's corona, solar flares, and the solar wind, which can have a significant impact on Earth's climate and technology. By studying these phenomena, scientists can better predict and mitigate the effects of solar activity on our planet.



## TITLE: Parts Of A Telescope

Classes:	X
Total No.Of Students:	106
Total No.Of Submissions:	92
Date:	31.07.2024
Mode:	Offline
Art/Integration/gamification/Experiential Learning:	Experiential Learning
Skills Developed:	Scientific knowledge,asthetic sense,
Learning Objectives:	The students will be able to- 1.develop skills to handle a telescope 2.to recall the parts of a telescope and its use 3.to describe the comparison between a view as seen from a telescope and a naked eye 4.recall that telescope can form images by refraction through lens.
Conducted By:	Mr.J S Mishra,Ms.Manisha, Ms.Rableen

Description Of The Activity: Students were presented with knowledge about the parts of a telescope,how telescopes are made using lens,mirrors,various types of telescopes like Refracting and Reflecting telescopes. Students were also shown a video as to how they can prepare their own telescopes using lens.

Learning Outcomes: Students were able to-

1. gain knowledge about the parts of the telescope.
2. Creates an appreciation and interest among students to find out space objects using a telescope.

ACTIVITIES AT A GLANCE(PICTURES/VIDEO LINKS/ANY OTHER FORMAT)

