

GYAN MANDIR PUBLIC SCHOOL
E-Block, Naraina Vihar, New Delhi 110028
Session 2026-2027

Month -JULY'2026

Class Pre-School (Astronomy Club Activity)

Classes	Pre-School
Total No. of Students	101
Date	28.07.26
Mode	Offline (In person classroom activity)
Art Integration / Gamification / Experiential Learning	Art integration
Skills Developed	Knowledge and understanding
Learning Objectives	Students will be able to Identify basic night sky elements.
Conducted by	Ms. Nisha,Ms.Vaishali and Ms. Harpreet

Description of the Activity :-

The Sponge Stamping Starry Night activity was conducted for the Pre-Primary students to introduce them to the beauty of the night sky through a fun art activity. Children used sponge cut-outs in different shapes such as stars, circles, and dots. They dipped the sponges in white and yellow paint and stamped them on dark blue or black chart paper to create a colourful starry night sky with stars, the Moon, and glowing dots. The activity made learning enjoyable while encouraging creativity and hands-on exploration.

Learning Outcomes:

1. Recognised basic night-sky elements such as stars and the Moon.
2. Developed fine motor skills through sponge stamping.
3. Enhanced creativity and artistic expression.

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



Signature

Club-Incharge

School Coordinator

Principal

GYAN MANDIR PUBLIC SCHOOL
E-Block, Naraina Vihar, New Delhi 110028
Session 2026-2027

Month -JULY'2026

Class Pre-Primary (Astronomy Club Activity)

Classes	Pre-Primary
Total No. of Students	103
Date	25.07.26
Mode	Offline (In person classroom activity)
Art Integration / Gamification / Experiential Learning	Experiential Learning
Skills Developed	Knowledge and understanding
Learning Objectives	Students will be able to Identify planets in fun way.
Conducted by	Ms. Kusum Sethi a, Ms. Rekha Negi and Ms. Reetu

Description of the Activity :-

The **Cosmic Couture – A Galaxy Runway** activity was conducted for the Pre-Primary students to make learning about the Solar System fun and engaging. Each child held a model of a planet from the Solar System and confidently walked the runway. The colourful planet props made the activity exciting and helped children become familiar with the different planets through active participation. The activity encouraged confidence, creativity, and stage presence in a joyful learning environment.

Learning Outcomes:

1. Recognised the planets of the Solar System.
2. Built confidence through stage participation.
3. Developed creativity and self-expression.

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



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School Coordinator

Principal

GYAN MANDIR PUBLIC SCHOOL
E-Block, Naraina Vihar, New Delhi 110028
Session 2026 – 2027
(Astronomy Club)

Month - July

Title of the Activity – Ballon Rocket Launch model

Classes	IA&IB
Total No. of Students	106
Total No. of Submissions	98
Date	28.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Creativity and artistic expression
Learning Objectives	Understand the basic concept of air pressure and thrust.
Conducted by	Ms. Jasmeet & Ms. Saloni
Any Other	

Description of the Activity:

- Students created a simple balloon rocket model using a balloon, straw, string, and tape.
- The balloon was inflated and released, allowing the escaping air to push the balloon forward along the string.
- Students observed the movement and explored how air pressure and thrust help an object move.
- The activity encouraged hands-on experimentation, observation, teamwork, and scientific curiosity.

Learning Outcomes:

- Students understood how air pressure and thrust caused movement.
- They observed the relationship between escaping air and motion.

- They developed basic scientific observation and experimentation skills.
- They explored the concept of Newton's Third Law of Motion.
- They enhanced their problem-solving and critical-thinking abilities.
- They demonstrated teamwork, creativity, and curiosity through hands-on learning.

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



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GYAN MANDIR PUBLIC SCHOOL
E-Block, Naraina Vihar, New Delhi 110028
Session 2026 – 2027
(Astronomy Club)

Month - July

Title of the Activity – Sun Catcher Craft

Classes	IIA & IIB
Total No. of Students	102
Total No. of Submissions	93
Date	22.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Creativity and artistic expression
Learning Objectives	explore how sunlight passes through different materials.
Conducted by	Ms.Nisha Gupta
Any Other	

Description of the Activity:

Students create a colourful sun catcher using transparent sheet/plastic, tissue paper bits, or cellophane. They arrange and glue the coloured pieces onto the base to form patterns like the Sun, stars, or simple shapes. Once dry, the sun catcher is hung near a window to let sunlight shine through and create a bright, glowing effect.

Learning Outcomes:

- * Identify materials that are transparent and allow sunlight to pass through.
- * Observe how sunlight interacts with different colours and materials.
- * Develop creativity, imagination, and fine-motor skills through crafting.
- * Appreciate the beauty and importance of light and colours in everyday life.

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



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GYAN MANDIR PUBLIC SCHOOL

E-Block, Naraina Vihar, New Delhi 110028

Session 2026 – 2027

(Astronomy Club)

Month - July

Title of the Activity – Day and Night Model

Classes	IIIA & IIIB
Total No. of Students	102
Total No. of Submissions	95
Date	22.7.2026
Mode	offline

Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Creativity and artistic expression
Learning Objectives	To understand that Earth has day and night because it rotates.
Conducted by	Ms.Nisha Gupta
Any Other	

Description of the Activity:

Students use a ball (Earth) and a torch (Sun) to create a working model of day and night. The torch is kept steady, shining light on the ball. Students slowly rotate the ball, watching how the bright side becomes “day” and the dark side becomes “night.”

Learning Outcomes:

- * Explain that the side of Earth facing the Sun experiences day, while the opposite side experiences night.
- * Observe and identify the light and dark sides of the Earth through the model.
- * Develop observation, curiosity, and scientific thinking skills.
- * Gain hands-on experience in creating and demonstrating a simple working science model.

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



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GYAN MANDIR PUBLIC SCHOOL

E-Block, Naraina Vihar, New Delhi 110028

Session 2026 – 2027

(Astronomy Club)

Month - July

Title of the Activity – Phases of moon

Classes	IVA & IVB
Total No. of Students	102
Total No. of Submissions	92

Date	22.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Creativity and artistic expression
Learning Objectives	To understand different phases of moon
Conducted by	MsNisha Gupta& Ms Monika Lamba
Any Other	

Description of the Activity:

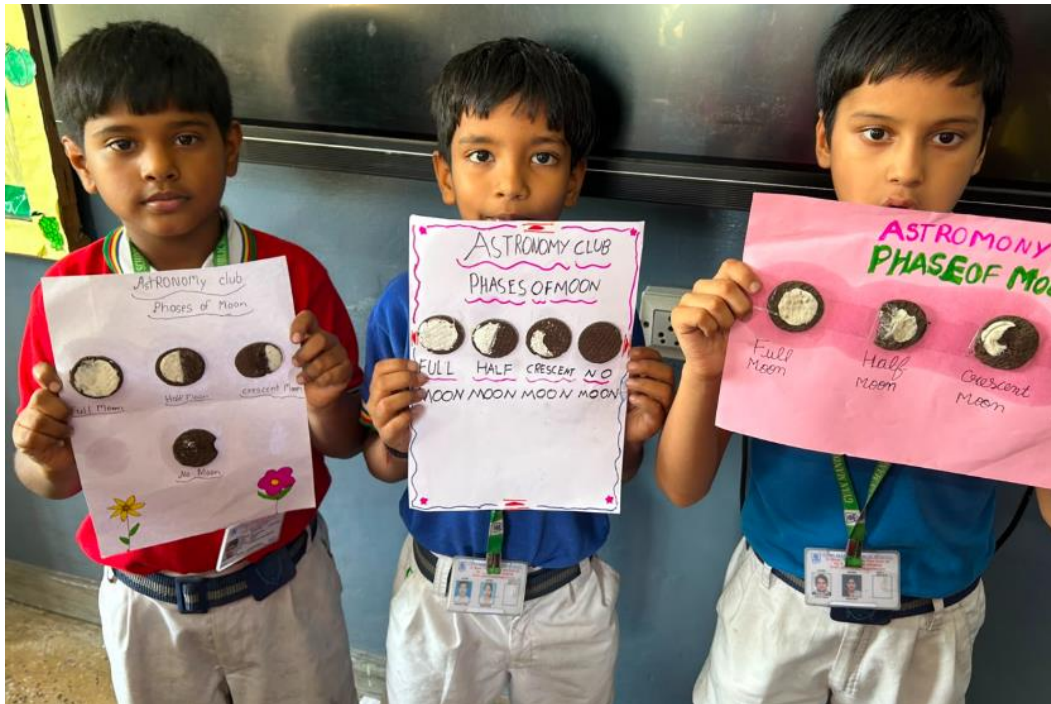
Children are given Oreo/cream biscuits to model the phases of the Moon. Each biscuit is gently twisted open. Using a spoon or craft stick, they scrape off some cream to show different phases—full cream for Full Moon, half cream for Half Moon, small curved cream for Crescent, and no cream for New Moon. The biscuits are then arranged in order on a plate or chart.

Learning Outcomes:

By the end of the activity, students:

1. Identified and described the different phases of the Moon, including the New Moon, Half Moon, and Full Moon, by observing and creating their representations using Oreo biscuits.
2. Developed an understanding of the lunar cycle by observing how the visible illuminated portion of the Moon changes at different stages as the Moon revolves around the Earth.
3. Arranged and sequenced the Moon phases correctly on a plate or chart, thereby strengthening their understanding of the cyclic pattern and progression of the lunar phases.

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



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GYAN MANDIR PUBLIC SCHOOL
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Session 2026 – 2027
(Astronomy Club)

Month - July

Title of the Activity – Planet Model and Fact Cards

Classes	VA & VB
Total No. of Students	104
Total No. of Submissions	95
Date	14.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Creativity and artistic expression
Learning Objectives	To identify the planets of the solar system and their basic characteristics.
Conducted by	Ms Manisha & Ms. Dimple
Any Other	

Description of the Activity:

Students created planet models using clay, paper balls, and coloured chart paper. They prepared fact cards for each planet containing its name, size, colour, number of moons, and one interesting fact. The models and fact cards were arranged in the correct order from the Sun to Neptune and displayed in the classroom.

Learning Outcomes:

- Identified the planets of the Solar System in the correct sequence.
- Described the basic features of each planet.
- Compared planets based on size, colour, and number of moons.
- Presented information clearly using models and fact cards.

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



Signature

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School Coordinator

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GYAN MANDIR PUBLIC SCHOOL

E-Block, Naraina Vihar, New Delhi 110028

Session 2026 – 2027

(Astronomy Club)

Month - July

Title of the Activity – STAR CLOCK (Using Template)

Classes	VI A & VI B
Total No. of Students	110
Total No. of Submissions	98
Date	12.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Observation and analytical skills
Learning Objectives	To learn how stars can help tell time at night.
Conducted by	Ms Manisha & Ms. Shilpa
Any Other	

Description of the Activity:

Students cut out and assembled a Star Clock using the provided template of two rotating circles. They aligned the month with the position of the Big Dipper (or the selected constellation) to estimate the time. Using the Star Clock, they observed how the positions of stars changed during the night and **understood** how ancient explorers used stars for navigation.

Learning Outcomes: students will be able to-

- ☐ Explained how a Star Clock can be used to estimate time.
- ☐ Recognised the importance of constellations in navigation.
- ☐ Developed an understanding of the relationship between Earth's rotation and the changing position of stars..

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



Signature

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School Coordinator

Principal

GYAN MANDIR PUBLIC SCHOOL
E-Block, Naraina Vihar, New Delhi 110028
Session 2026 – 2027
(Astronomy Club)

Month - July

Title of the Activity –DIY Constellation Projector

Classes	VII A &VII B
Total No. of Students	104
Total No. of Submissions	92
Date	21.7.2026
Mode	Offline
Art Integration / Gamification / Experiential Learning	Experiential Learning
Skills Developed	Scientific Aptitude
Learning Objectives	Students will able to understand constellations by identifying common star patterns and explaining how constellations are recognized in the night sky.
Conducted by	Ms Shilpa&Ms. Monika Lamba

Learning Objectives:

Students will be able to-

- 1.To understand what constellations are and how stars form patterns in the night sky.
2. To build a simple model demonstrating how light passes through holes to create projections.
- 3.To develop creativity, fine-motor skills, and basic model-making skills.

Description of the Activity:

Students create a constellation projector using a cardboard tube (like a tissue roll), black paper, and a small flashlight. They punch tiny holes in the paper to form a constellation pattern and secure it to one end of the tube. When light from the flashlight passes through the holes, it projects the star pattern onto a wall or ceiling. This fun hands-on activity helps students understand star patterns and basic principles of light and shadow.

Learning Outcomes:

Students will be able to:

1. **Identify and explain** what constellations are and describe how groups of stars form recognizable patterns in the night sky.
2. **Construct and demonstrate** a DIY constellation projector to explain how light travels through small holes to project constellation patterns.
3. **Design and create** a simple working model using appropriate materials, demonstrating creativity, fine motor skills, and basic model-making techniques.

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



Signature

Club-Incharge

Vice Principal

Principal

GYAN MANDIR PUBLIC SCHOOL
E-Block, Naraina Vihar, New Delhi 110028
Session 2026 – 2027
(Astronomy Club)

Month - July

Title of the Activity – “India: A Rising Space Power”

Classes	VIIIA & VIIIB
Total No. of Students	104
Total No. of Submissions	92
Date	20.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Understanding & Artistic expression
Learning Objectives	To understand the rising space power of India
Conducted by	Ms. Monika & Ms. Manisha
Any Other	

Description of the Activity:

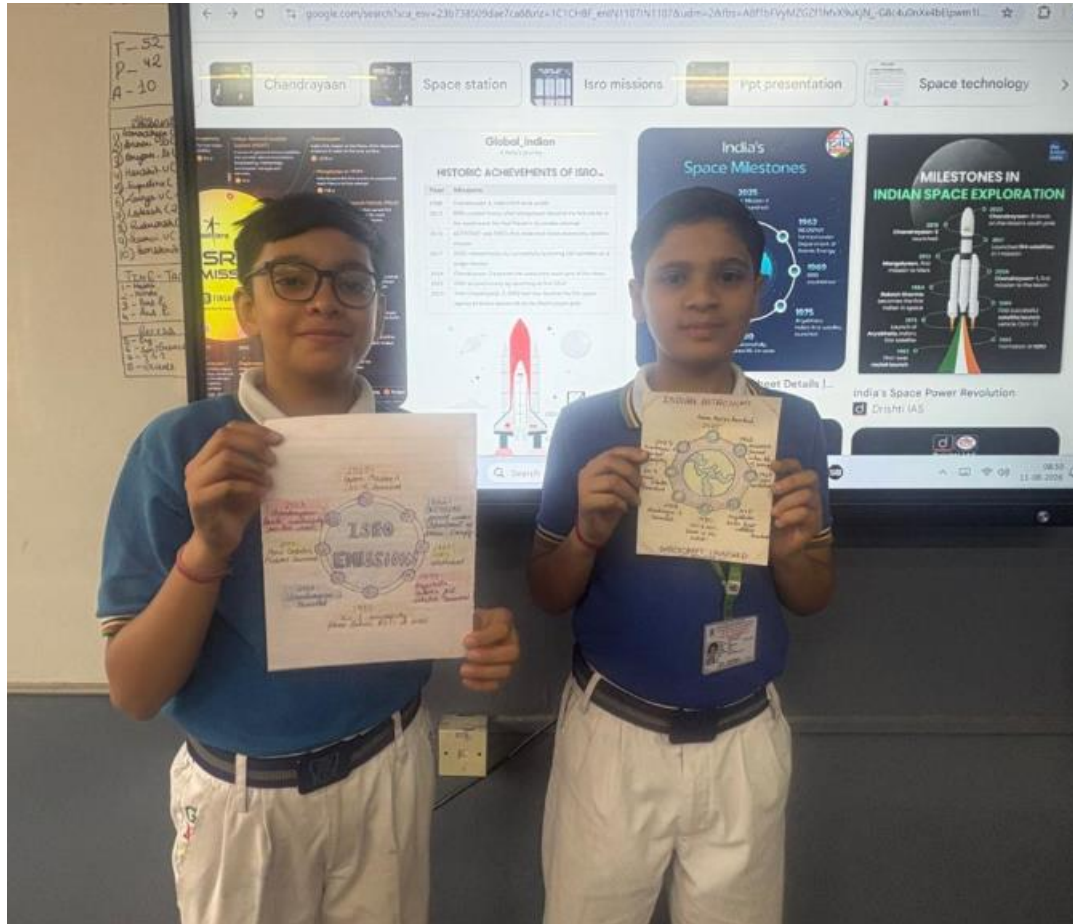
Students will read the NCERT booklet “India: A Rising Space Power” individually or in small groups. After reading, they will identify important facts, missions, scientists, and milestones mentioned in the booklet. Based on their understanding, each group will prepare a set of quiz cards (question on one side, answer on the reverse) to test the knowledge of their classmates.

Learning Outcomes:

1. Identified and recalled important facts, space missions, scientists, achievements, and major milestones related to India’s space programme.
2. Developed a deeper understanding of India’s growth as a space power by reading, discussing, and interpreting information from the NCERT booklet.

3. Enhanced communication, collaboration, critical-thinking, and peer-learning skills by working in groups and using their quiz cards to engage and assess their classmates.

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



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Session 2026 – 2027
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Month - July

Title of the Activity – “Moon Journal – Pictionary /Astrophotography”

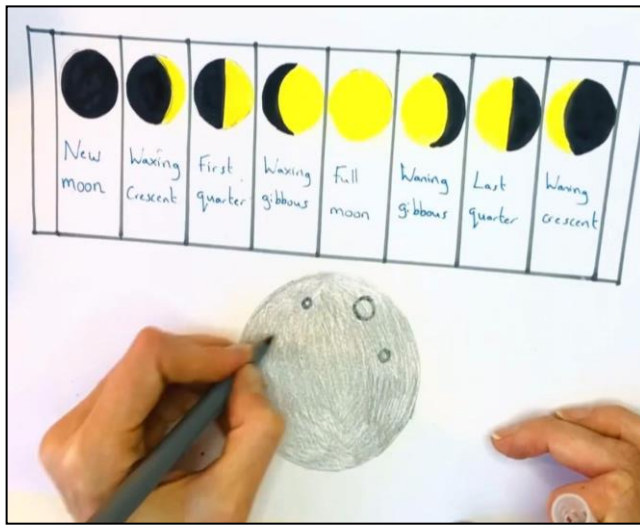
Classes	IX A & IX B
Total No. of Students	100
Total No. of Submissions	89
Date	20.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Understanding & Artistic expression
Learning Objectives	Students will be able to understand that the Moon follows a repeating pattern of phases.
Conducted by	Ms. Shilpa , Ms. Monika & Ms. Manisha
Any Other	

Description of the Activity: Students keep a Moon Journal for 7–14 days. Each night, they observe the Moon and either draw what they see (pictionary) or take a simple photograph (astrophotography). They record the date, time, and a short note about the Moon’s shape—crescent, half, gibbous, or full. At the end of the journal period, students arrange all their drawings/photos in order, make a file to clearly see how the Moon changes over time and identify the phase cycle.

Learning Outcomes:

- 1.To observe and record daily changes in the Moon’s phase.
2. To use drawing (Pictionary) or simple photography to document the Moon.
- 3.To understand that the Moon follows a repeating pattern of phases.

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



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Session 2026 – 2027

(Astronomy Club)

Month - July

Title of the Activity – “Exploring the Universe through a Telescope”

Classes	X A & X B
Total No. of Students	98
Total No. of Submissions	82
Date	23.7.2026
Mode	offline
Art Integration / Gamification / Experiential Learning	Art Integration
Skills Developed	Understanding & Artistic expression
Learning Objectives	Students will be able to understand that the Moon follows a repeating pattern of phases.
Conducted by	Ms. Shilpa , Ms. Monika & Ms. Manisha
Any Other	

Description of the Activity: Students will first learn about how telescopes work—how lenses or mirrors gather and focus light to make distant objects appear closer and clearer. The teacher will demonstrate the working of a simple refracting telescope using lenses. 3 Next, students will build their own simple telescope using easily available materials such as convex lenses, cardboard tubes, and tape. Once the model is ready, they will align the lenses and test it by viewing distant terrestrial objects during the day.

Learning Outcomes:

1. Explain the basic working principle of a telescope and describe how lenses or mirrors help in observing distant celestial objects.
2. Identify and differentiate between refracting and reflecting telescopes based on their use of lenses and mirrors.
3. Construct and demonstrate a simple model telescope using easily available materials and explain its working.

4. Use the model telescope to observe distant objects and understand how magnification and focusing improve the view.
5. Develop scientific observation and inquiry skills by aligning, testing, and modifying the telescope model.
6. Relate the activity to astronomy by understanding how telescopes are used to observe objects such as the Moon and visible planets.

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



Signature

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Principal