



SYNA INTERNATIONAL SCHOOL, KATNI
SUMMER ASSIGNMENT (2026-27)
GRADE-VII

ENGLISH

1. Write a Limerick on “Solar system”.
2. Create a “Cosmic Dialogue” among the Earth, the Sun and the Moon, presented in a graphical format on a A4 size Poster.

Instructions for the project:

1. Limerick Magic

- * Write a 5-line poem
- * Follow AABBA rhyme pattern
- * Keep it playful, rhythmic & imaginative
- * Draw pictures
- * Maintain neatness & clarity
- * Add a catchy title
- * Let your words shine bright!

2. Cosmic Dialogue

- * Write a short, engaging dialogue between Sun, Earth & Moon
- * Use script format (Sun:, Earth:, Moon:)
- * Highlight their roles (light, life, reflection)
- * Add relevant pictures or graphics
- * Conclude with a message of harmony

HINDI

भारत के अलावा अन्य दो देशों में वसंत ऋतु मनाने के वर्णन को तुलनात्मक रूप से चार्ट में लिखिए।

MATHEMATICS

Class: VII

÷ Subject: Mathematics

Theme: Universe

Homework Title:-

LINES, ANGLES AND GEOMETRY IN THE UNIVERSE

Dear Students,

Mathematics is not only found in books—it is everywhere around us, even in the vast Universe!

This summer, get ready to become a young space explorer and discover how Lines, Angles, Distance, Mass, Gravity, Rotation, and Revolution help us understand planets, stars, and the solar system.

Your holiday homework is a wonderful opportunity to learn creatively through drawing, observing, calculating, and making models.

Let your imagination fly beyond the sky! ✨

HOMEWORK INSTRUCTIONS:

- **Print papers not allowed**
- **Prepare a Beautiful Project File**
- **Use an A4 size paper and make it colourful, neat, and creative.**
- **Use colours, creativity, and proper labelling**
- **Avoid direct copying**
- **Make your project attractive and informative**

Include the following topics:

Section A: Types of Lines in Space

- **Parallel Lines**
- **Intersecting Lines**
- **Perpendicular Lines**
- **Curved Lines**

Types of Angles in Space

- **Acute Angle**
- **Right Angle**
- **Obtuse Angle**
- **Straight Angle**

(Use examples from planets, satellites, moon, rocket launch, etc.)

Section B: Drawing & Diagram Work

Make neat and colourful labelled diagrams of:

- Solar System
- Satellite Movement
- Planetary Orbits
- Types of Angles in Space

Section C: Activity Work

Find • Compare • Observe = Choose any 5 planets and compare:

- ✓ Mass of different planets
- ✓ Distance of planets from the Sun
- ✓ Rotation and Revolution Time
- ✓ Gravitational Force of planets

Also write:

- Largest Planet
- Smallest Planet
- Fastest Rotating Planet
- Slowest Revolving Planet

Section D: Mathematical Task

Solve these questions neatly:

Q1. If Earth takes 365 days for one revolution, how many days will it take for 2 revolutions?

Q2. Jupiter takes 12 years for one revolution. How many years for 3 revolutions?

Q3. If a planet rotates in 10 hours, how many hours for 5 rotations?

Q4. Write examples of acute, obtuse, and right angles from things around you

Section E: Creative Corner - Make any ONE model.

- Angle Wheel
- Constellation of Stars

Be creative and innovative!

LEARNING OUTCOMES ?

After completing this homework, students will be able to:

- Understand Lines and Angles through real-life examples
- Connect Mathematics with Space Science
- Compare planets using mathematical data
- Understand Gravity and Planetary Motion
- Improve Observation and Research Skills
- Develop Creativity and Presentation Skills

□ Submission Date :- After Summer Vacation

Teacher's Message

The Universe is the biggest classroom of Mathematics.
Explore the stars, measure the planets, and discover the magic of Geometry.

HAPPY HOLIDAYS & HAPPY LEARNING! □□

SCIENCE

PROJECT WORK (CREATIVE + RESEARCH BASED)

Topic: "Earth vs Moon – A Comparative Study"

Include:

Size, gravity, atmosphere

Surface features

Temperature differences

Possibility of life

Human exploration

Add:

Diagrams / pictures

Interesting facts

Conclusion: Why Earth is special?

➤ **PREPARE A PROJECT FILE**

SOCIALSCIENCE

a homework project based on "They Explore the Earth" can include interesting and creative activities related to geography, maps, landforms, and the Earth's features.

Mode : Hand Written

Material : File Paper or Chart paper

Attach Docs file project : Cover Page , Introduction,, images and Content .

SANSKRIT

1. कोई पच्चीस शब्द संस्कृत में लिखकर उनका हिंदी में अर्थ लिखिए ।
2. सुभाषितानि के कोई पाँच श्लोक संस्कृत में लिखकर उनका हिन्दी में अर्थ लिखिए एवं उनसे संबंधित चित्र चिपकाइए ।

COMPUTER SCIENCE

PREPARE A PRESENTATION in GOOGLE SLIDE/POWERPOINT/ADOBE on any one of the following and mail to jayant.jain@synainternational.edu.in

TOPIC: **CYBER ETHICS/DIGITAL INDIA/ARTIFICIAL INTELLIGENCE/CYBER SECURITY**

MINIMUM SLIDES: 20