



Rukmani Birla Modern High School

Session 2026-27

SUMMER ASSIGNMENT

Dear Students,

*Summer holidays bring thoughtful days,
Where learning blooms in gentle ways.
Do your assignments, spark your mind,
Read books too—new worlds you'll find.*

*Explore near and wide with purpose true,
Spend time with family, friends by you.
Help birds and strays with caring hands,
Kindness nurtures across the lands.*

*Return rejuvenated, relaxed, refreshed, revived,
recharged,
Hearts aglow, with wisdom enlarged.
Summer's lessons, soft and slow,
Will help your knowledge to grow.*

*Complete your class-specific assignments mindfully during this enriching break.
Tasks follow on the next pages.
Submit on the first day back.*

Happy Holidays

❖ General Guidelines:

- Complete all the work neatly in a scrapbook.
- Write your name, class, and section on the cover page.
- Use colourful headings and creative decoration.
- Maintain neat handwriting and proper presentation.
- Add drawings, pictures, or charts wherever needed.
- Do the work independently and submit it on time.
- Enjoy learning and be creative! 🌈

❖ English:

• Activity 1 – Paper Bag Puppet

- Make creative paper bag puppets and use them to present an interesting puppet story in class.

➤ Instructions:

- Design and decorate your puppets neatly and creatively.
- Create a short and fun puppet story with dialogues.
- Use your puppets to narrate the story confidently in class.
- Bring all puppets and story materials on the assigned day.
- This activity will be graded on creativity, presentation, and speaking skills

➤ Activity 2 – Reading & Sports Biography Project*

- Read any one book from the list given below and learn about the inspiring journey of a famous sportsperson.

➤ Suggested Books for Reading:

- The Race of My Life – Milkha Singh (Athletics)
- Unbreakable – Mary Kom (Boxing)
- Playing to Win – Saina Nehwal (Badminton)
- A Shot at History – Abhinav Bindra (Shooting)
- The Test of My Life – Yuvraj Singh

➤ Project Work

- Choose any one sportsperson from the list and prepare a neat project in scrapbook.
- Include the following details:
 - Family Background
 - Challenges Faced
 - Inspirations
 - Achievements

- Paste relevant pictures related to the sportsperson.
- Make your sheet colourful, neat, and creative.
- Use your own words while writing the summary.

❖ Hindi:

- पाठ 5 'किले का गुप्त द्वार' कहानी को ध्यानपूर्वक पढ़कर उसके आधार पर 4–5 पृष्ठों की एक आकर्षक एवं रचनात्मक कॉमिक स्ट्रिप तैयार कीजिए। कॉमिक स्ट्रिप को अपनी कल्पना एवं सृजनात्मकता के अनुसार प्रस्तुत करें। इसके अतिरिक्त, कहानी के किसी एक प्रिय पात्र के संवाद याद करके कक्षा में उसका प्रभावपूर्ण अभिनय प्रस्तुत कीजिए।

❖ Social Studies:

➤ **Shadow Journey & Imagination Challenge** 🌍

• **Activity Time: Observe • Imagine • Create**

- **Choose any object, plant, pole, or tree near your home and observe its shadow at**
- **9:00 AM**
- **12:00 Noon**
- **4:00 PM**

➤ **Think, Observe & Imagine**

- Observe the shadow for 3 days and record your observations by:
- Drawing the shadow shapes, OR
- Measuring the shadow length
- Present your work creatively using
- Observation table
- Colourful diagrams
- Creative illustrations
- At what time was the shadow the shortest?
- Why did the shadow change its size and direction during the day?
- How is the movement of shadows connected to the rotation of the Earth?
- If the Earth suddenly stopped rotating, what might happen to shadows, sunlight, day, and night?
- Based on your observations, write any 5 creative consequences of the Earth stopping its rotation.

❖ Science:

AMAZING MIGRATION OF ANIMALS AND BIRDS*

Explore the fascinating journeys of migratory birds and animals, understand India's important migratory sites and learn how climate change affects migration.

Part A: Migration Detective Journal

1. What is Migration?

Define migration in your own words.

Why do animals and birds migrate? (food, breeding, weather, safety)

➤ **Activity:**

2. Draw or paste pictures of *5 migratory animals/birds*:

- * **Siberian Crane**
- * **Bar-headed Goose**
- * **Flamingo**
- * **Olive Ridley Turtle**

* Amur Falcon

India's Top 5 Migratory Sites

1. Create a colorful table with these details:

Migratory Site	State	Famous Migratory Birds	Best Season
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Major Migratory Birds & Their Routes

1. Choose one bird from each site and draw its migration route on a world map:

Siberian Crane: Siberia → Central Asia → Bharatpur, India

Bar-headed Goose: Mongolia/Tibet → Himachal Pradesh, India

Instructions: Use arrows, Different colors for each bird, Mention countries crossed

Global Warming & Migration

1. Write a short research note: **How does global warming affect migration?**

Include:

- * Rising temperatures change migration timing
- * Drying wetlands reduce resting places
- * Food shortage due to ecosystem imbalance
- * Melting Arctic regions affect breeding grounds
- * Birds may lose direction due to changing weather patterns

Case Study Challenge

Answer these:

1. Why do Siberian Cranes visit India in winter?
2. What happens if wetlands dry up?
3. How does pollution affect migratory birds?
4. Why are migratory routes called flyways?
5. Suggest 3 ways to protect migratory species.

Science Exhibition

Theme: Science, Innovation, AI & Robotics

Get ready to explore the amazing world of Science through creativity, innovation, and imagination! As part of your Summer Holiday Assignment, you have to prepare a Science Exhibition Model based on any scientific concept of your choice.

Instructions:

Prepare a working or non-working model individually or with the guidance of parents.

You may select topics related to:

Renewable Energy

Water Conservation

Smart Cities

Human Body

Space Science

Robotics

AI-Based Innovations

Environment Protection

Use eco-friendly, recyclable, or waste materials available at home as much as possible.

The model should be:

Neat and attractive, Informative, Creative and easy to explain

Prepare a small write-up including:

Title of the Model

Aim/Objectives

Materials Used

Working/Explanation

Importance of the Model

Students should be ready to confidently explain their model during the Science Exhibition.

❖ Maths:

➤ My Summer Travel Diary – Distance, Speed & Time

During your summer holidays, you visited different places with your family. Write details about any 5 trips you made and complete the table:

Table for reference:

S.NO	Place Visited	Distance Travelled	Time Taken	Speed = Distance ÷ Time
1				

➤ Answer the following questions after recording your 5 trips detail:

Q1. Which of your trip covered the longest distance?

Q2. Which trip took the least time?

Q3. In which trip did you travel at the highest speed?

Q4. Find the total distance travelled in all 5 trips together.

Q5. Find the total time spent for travelling during all trips.

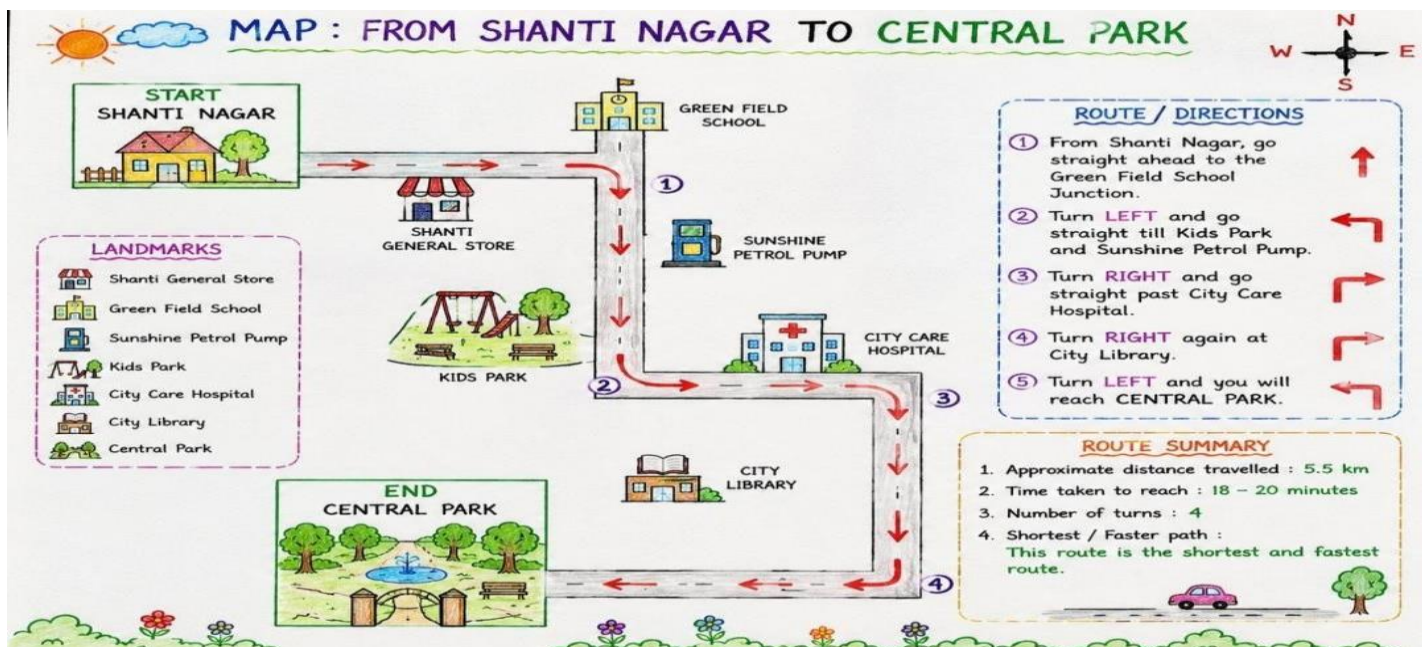
Q6. Which trip had the slowest speed?

Q7. Find the difference between the longest and shortest distance travelled.

➤ Activity:

- Draw a map showing the route from your home to the place you visited (any one)
- Include: Roads or turns, Important landmarks (shop, park, school, petrol pump, etc.)
- Direction signs (Left/Right), Start and End points

➤ Sample:



- **Computer:**

- **Create a poster on Google docs/Word 2016**

- **Title: Save Trees or My Dream Summer Camp**

- Use formatting features for changing font colour, size and style and insert images from web or your own image using the device.
- Take a colourful printout on A-4 size sheet.

- **Fine Arts:**

- **Make a Diary Cover" in collage style**

- Use footprints newspaper cuttings, secret notes, maps etc
- Suspect photos or silhouettes image
- Red threads connecting clues
- Dark colors, shadows for a mysterious effect
- Give your case a title