



# 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



# Rukmani Birla Modern High School

## Summer Holiday Assignment

### Class VII

#### Topic: Plant Nursery

#### General Instructions for Holiday Assignment

- Students have to do all the work in a single scrapbook.
- Work must be neat and clean.
- Do not write anything on the backside of the page where drawings are made or pictures are pasted.
- Design a neat, colourful, and creative cover page for your scrapbook based on the title or theme of the Summer Holiday Assignment. The cover page should include the student's name, class, section, roll number, and session. Use drawings, borders, colouring, cut-outs, or decorative materials related to the theme to make it attractive and meaningful.

#### What students will do:

- Design a nursery plan (pots, recycled bottles, or soil patch).
  - Select 4–5 plants (vegetables, herbs, or flowers).
  - Prepare soil with compost, sow seeds/saplings, label plants.
  - Observe weekly for 4 weeks: growth, leaves, colour, pests, watering.
  - Optional: Prepare compost/vermicompost using kitchen waste.
1. Write a diary entry on the topic “Planting Hopes and Harvesting Happiness” describing your experience of planting and caring for plants during the holidays.
  2. अनुच्छेद लिखिए - “मेरी पौधशाला” (10-12 पंक्तियाँ)
  3. Prepare a colourful poster in French on the theme “Plant Nursery” using drawings, labels, short captions, and creative decoration.

Or

- पौधों से संबंधित 10 शब्द संस्कृत में लिखिए। उन्हीं शब्दों का प्रयोग करते हुए संस्कृत में पाँच वाक्य लिखिए।
  - श्रीमद्भगवद्गीता के बारहवें अध्याय से पहले पाँच श्लोक कंठस्थ कीजिए।
4. List the tools used by you for preparing your nursery plan and planting activity. Also mention the use of each tool.
  5. Write the composition of soil used for planting. Explain the role of soil, compost, sand, and water in healthy plant growth.
  6. Prepare a weekly height table of your plants for 4 weeks in centimetres (cm).
  7. Draw a line graph showing the growth of each plant over the 4 weeks.
  8. Calculate the average growth rate of each plant.
  9. Calculate the total cost of your nursery project using the following table:

Calculating the cost of items and materials:

S. No.	Items/ Materials	Unit Cost (Cost per gram or piece)	Quantity	Total Price	Remarks

10. Explain how nurseries help in building sustainable communities.
11. Mention the importance of plants in keeping the environment clean, healthy, and eco-friendly. Also describe how recycling materials like bottles and kitchen waste can help society and nature.

12. Search and identify an AI-based mobile app that can recognize plants.
13. Generate a hypothetical model for an AI-based plant care app. Give a suitable name to the app and explain any five features that would help users identify plants, monitor plant health, and take proper care of them.
14. Design and decorate your nursery creatively using recycled materials such as bottles, cans, cartons, or pots. Prepare colourful name labels for the plants and make your nursery attractive with eco-friendly decorative items. You may also draw or paint your nursery setup in your scrapbook.