



# 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 IX

#### Topic- Crop / Kitchen-Garden Project (Life Forms)

Theme- “Build a Mini Hydroponics Model”

#### General Instructions for Holiday Assignment

1. Students have to do all the work in a single scrapbook.
2. Work must be neat and clean.
3. Do not write anything on the backside of the page where drawings are made or pictures are pasted.
4. 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:

Students grow mint/money plant without soil using water containers.

Learning Outcome: Understanding alternative farming techniques.

#### 1. Letter from a Plant” Creative Writing

Students write imaginatively from the perspective of a plant describing:

Its needs

- Environmental threats
- Importance to humans
- Integrates English and Environmental Education.

#### 2. “घर पर भोजन उगाना मेरे परिवार और समुदाय के लिए क्यों महत्वपूर्ण है” विषय पर आकर्षक पुस्तिका (Brochure) तैयार कीजिए। इसमें श्रम की गरिमा तथा सतत विकास (Sustainable Practices) के महत्व को भी स्पष्ट कीजिए।

Or

“किचन-गार्डन” विषय पर चित्र सहित एक आकर्षक परियोजना (Project) तैयार कीजिए। इसमें पौधों के नाम, उनके उपयोग से संबंधित जानकारी संस्कृत में लिखिए। श्रीमद्भगवद्गीता के बारहवें अध्याय के पहले दस श्लोक कंठस्थ कीजिए।

Or

Prepare a French advertisement/poster to promote a “Kitchen Garden”. Include attractive slogans, benefits of growing plants at home, and creative illustrations.

#### 3. Students measure plant height weekly and represent data using:

- Bar graph

- Line graph
  - Average growth calculations
  - Cross-curricular integration with Mathematics.
4. Maintain a simple cost sheet: seeds/soil/containers/water, and estimate cost per plant or per 100 g of produce (life-cycle cost idea).
5. Crop Nutrition Chart
- Students study nutritional value of crops grown at home and prepare:
- A healthy diet chart
  - “Farm to Plate” concept map
5. Identify and note soil type, basic soil properties, and any amendments (organic manure, compost) used; relate to “conditions for plant growth” given in the vocational theme.
6. Record weather from any available meteorological data (phone app/simple DIY measurement) and link it with observed plant growth or problems.
7. Interview a Gardener/Farmer”
- Students interact with a local gardener or farmer and ask questions about:
- Seasonal crops
  - Irrigation methods
  - Difficulties in farming
  - Organic farming practices
- They submit the interview in written or audio format.
8. Traditional vs Modern Farming Comparison
- Students compare:
  - Old farming tools and methods
  - Modern irrigation and technology
  - Can include pictures, charts, or interviews with elders.