

SRK DAV PUBLIC SCHOOL, SURIYA
DURGA_PUJA_HOLIDAY HOMEWORK – CLASS IX
SESSION-2026-27

MATHEMATICS

PROJECT: SEQUENCE AND SERIES

Activity: Exploring Arithmetic Progression (AP)

A student decides to save money every week. In the first week, he saves ₹50, and each following week he saves ₹20 more than the previous week.

Project Work

1. Write the sequence representing his savings for the first 10 weeks.
2. Identify the first term and common difference.
3. Find the amount saved in the 10th week.
4. Calculate the total savings after 10 weeks.
5. Represent the sequence using a bar graph on graph paper.
6. Write a short conclusion explaining how arithmetic progression is useful in daily life.

Bar Graph Instructions

- X-axis: Week 1 to Week 10
- Y-axis: Savings (₹)
- Suggested scale: 1 major division = ₹20
- Draw and label the axes, mark the scale, and draw one bar for each week.

Use a separate sheet of graph paper and attach it neatly in your Stick File

Subject: English

A. WRITING SKILL

1. Essay Writing

Write an essay in 180-200 words on any ONE topic:

- a) Eco-friendly Durga Puja – Need of the Hour
- b) Durga Puja: A Festival That Unites Us All
- c) If I Were a Member of a Puja Committee, How Would I Keep My Locality Clean?

2. Letter Writing

You are Riya/Rohan, Class 9, resident of Jamshedpur. You are worried about pollution and garbage after Durga Puja. Write a letter to the Editor of The Telegraph on:

"Celebrating a Clean, Safe and Eco-Friendly Durga Puja"

[Hints: Use clay idols, avoid plastic, manage crowd, clean immediately after visarjan]

3. Do as directed (Based on Durga Puja):

- a) Change into Passive Voice: "The artisans make beautiful idols of Durga."
- b) Change into Indirect Speech: He said, "We will celebrate an eco-friendly Puja this year."
- c) Fill with suitable Tenses: "By next week, the Puja pandals ____ (decorate)."
- d) Edit the paragraph (find 4 errors) – [Paragraph about Durga Puja]

4. Vocabulary Task:

Make a Word Bank of 30 words related to Durga Puja (e.g., Immersion, Devotion, Pandal, Artisan). Write Meaning and make 1 sentence each.

B. LITERATURE & CREATIVITY

5. Project Work

Make a colourful scrap file with:

- a) Paste 5 newspaper cuttings about Durga Puja celebrations in different states of India.
- b) Write a short summary of each.
- c) Add a page – “My Durga Puja – 2026” with 2 photos and your experience.

SOCIAL SCIENCE

If you receive a tsunami or cyclone alert on your phone right now, do you know the five steps your family should take to stay safe? - Write the answer with the help of a diagram drawing on page 13 SOCIAL SCIENCE NCERT BOOK part -2

SCIENCE

PHYSICS

Prepare a chart/model on energy transformation of various types of energy.

Chemistry

Write Ncert(exploration) exercise and intext questions of following chapters:- Journey Inside the Atom & Atomic Foundations of Matter.

Biology

Chapter: Sexual Reproduction in Plants

1. Why is pollination necessary for fertilisation in flowering plants? Can fertilisation occur without pollination? Justify your answer.
2. A flower has a stigma and an ovary but lacks stamens. Can it produce seeds? Explain the conditions required.
3. A gardener notices that flowers visited frequently by bees produce more fruits than flowers that receive fewer visits. Explain the biological reason behind this observation.
4. Why is cross-pollination considered advantageous over self-pollination in maintaining variation among plants?
5. If the pollen tube fails to reach the ovule, what will happen to fertilisation and seed formation? Explain.
6. Why do flowers of some plants produce nectar and have bright colours? How do these features contribute to reproduction?

HINDI

दशहरा गृह -कार्य

कक्षा 9 वीं

प्रश्न (१) निम्नलिखित पर 80 से 100 शब्दों में एक अनुच्छेद लिखिए।

(क)आजादी का अमृत महोत्सव (ख) मोबाइल फोन सुविधा या असुविधा

प्रश्न (२) कोई दो अनौपचारिक पत्र लिखे हैं।

प्रश्न (3) किसी शिक्षक की प्रशंसा करते हुए दो छात्रों के मध्य हुए वार्तालाप को संवाद रूप में लिखें।

(२) बढ़ते हुए अपराधों पर चिंता व्यक्त करते हुए दो व्यक्तियों की परस्पर बातचीत को संवाद के रूप में लिखिए।

प्रश्न (३) विद्यालय में पुस्तक प्रदर्शनी में आने के लिए विद्यार्थियों को आमंत्रित करते हुए एक सूचना तैयार कीजिए।

(२) वार्षिकोत्सव हेतु अध्यापक वर्ग के लिए एक सूचना तैयार कीजिए।