

RAMAKRISHNA SENIOR SECONDARY SCHOOL
HOLIDAY HOME WORK
CLASS – IX (2026-2027)

Dear Parents

Greetings from the RKS Fraternity!

The Academic Session 2026-27 has begun in full swing and students have settled well in their classes. Now is the time for Summer Break. The School will be closed for Summer Break from May 30, 2026 to June 30, 2026. The school will reopen on July 1, 2026. In order to keep our students well engaged, we are sending the [Summer Holiday Homework](#).

[General Instructions:](#)

1. Revise the syllabus covered so far in the class.
2. Do all the work as specified by the subject teacher.
3. Submit your Holiday Homework in the first week of July as per the teacher's instructions.
4. The students must do their work neatly in their own handwriting. Marks of Internal Assessment will be awarded only if the students do the work in their own handwriting.

Summer Vacations are the most awaited holidays by the students. It is also a time to enjoy those little pleasures of life that get overlooked during the busy school routine. They get a positive bounce back when they rejoin school after this much-needed break.

There are a few things that students can keep in mind to utilize this break fruitfully.

- Go for educational trips and excursions.
- Spend quality time with family and friends.
- Pursue your hobbies and interests.
- Sharpen your skills and develop new ones.
- Follow a fitness regime to stay agile both mentally and physically.
- Learn and explore new things.
- Relax your body and mind because, 'A Healthy Mind Lives in a Healthy Body.'

[Have a delightful and productive Summer Break!](#)

ENGLISH

Q1. Write a formal letter in your English notebook. (100–120 words)

Inspired by the story How I Taught My Grandmother to Read, you realize that many elderly individuals struggle to read or use digital devices. Write a letter to the Editor of The National Herald emphasizing the importance of adult literacy and suggesting how school students can use their summer break to teach basic reading, writing, or smartphone skills to their grandparents or domestic helpers.

Q2. Thank-You Note: Imagine you are the grandmother. Write a short thank-you note (100–120 words) to your young granddaughter, thanking her for her patience and for giving you the gift of literacy.

Q3) Integrated Project: The Pot Maker (Artisans of India)

Complete the following components on A-4 size sheets and submit them together in a plastic leaf-folder.

i) Theme Analysis: Explain the central theme of the story The Pot Maker in 80–100 words, focusing on why we must respect traditional craftsmanship.

ii) Art-Integrated Activity: Create a tri-fold paper brochure celebrating traditional Indian clay pottery.

Include sections on why clay is eco-friendly and add a catchy slogan promoting local potters.

iii) Research Element: Write a short note on why traditional Indian handicrafts are dying out due to modern industrialization, and name one government initiative (like "Vocal for Local") that helps protect these artisans.

iv) Creative Writing: Write a diary entry (100–120 words) from the perspective of an aging potter at the end of a long day, expressing his love for the art and his worries about whether the next generation will keep the craft alive.

Note: The project folder must include a creative cover page featuring the title: "English Literature Project: The Clay and The Land", alongside your Name, Class, Section, and Roll Number.

Q4. Do the Questions and Answers of the chapter Winds of Change in the notebook.

Q5. Do Grammar Assignment 1, 2, 3, 7 (pg 173, 177, 181, 207) in the book.

Q6. Revise Complete PT-1 Syllabus for Exams.

HINDI

- मेरा प्रिय त्योहार व किसी भी एक आधुनिक समस्या जैसे (पर्यावरण प्रदूषण, बरोजगारी, आतंकवाद आदि) पर 200 शब्दों में अनुच्छेद लिखिए ।
 - हिंदी व्याकरण में (संज्ञा और सर्वनाम) के प्रत्येक भेदों के 5-5 उदाहरणों को चित्रात्मक शैली में लिखकर दर्शाइए ।
 - उपसर्ग और प्रत्यय के 10-10 उदाहरणों को आकर्षक तरीके से लिखकर दर्शाइए ।
 - प्रकृति सौंदर्य पर एक कविता लेखन (कवि परिचय व कवि के चित्र) के साथ कीजिए ।
 - पशु-पक्षियों पर एक संवेदनशील कहानी लेखक परिचय के साथ लिखकर दर्शाइए ।
- आवश्यक निर्देश :

- प्रश्न संख्या 1 आपको अपनी हिंदी की पुस्तिका में करना है ।
- बाकि सभी कार्य आपको ए -4 साइज की शीट पर करके एक फ़ाइल बनाकर तैयार करनी है ।
- संपूर्ण कार्य आपको सुंदर लिखाई में करना अनिवार्य है ।

MATHEMATICS

1. Revision Work

Revise PT-1 Syllabus carefully.

1. Chapter 1: Orienting Yourself – The Use of Coordinates

2. Chapter 2: Introduction to Linear Polynomials

3. Chapter 3: The World of Numbers

2. Practice Questions

Do all chapter-end exercise questions of Chapters 1, 2, and 3 from the NCERT textbook in your mathematics register.

3. Activity File

Activity 1: Mirror Image

Topic: Mirror Image (Chapter 1 – Orienting Yourself: The Use of Coordinates)

On a Cartesian plane, plot and join the following coordinates to create a bigger figure of

A(2, 1), B(8, 1), C(8, 5), D(2, 5), E(5, 8)

Join $A \rightarrow B \rightarrow C \rightarrow D \rightarrow A$ to form the rectangular base and then join $D \rightarrow E \rightarrow C$ to form the roof.

1. Identify the complete figure formed.
2. Draw the mirror image of the figure:
 - (a) about the **x-axis**
 - (b) about the **y-axis**
3. Write the coordinates of the reflected images in each case.
4. Mention in which quadrants the reflected figures lie.

Observation: When a point is reflected across the X-axis, the sign of the y-coordinate changes. When reflected across the Y-axis, the sign of the x-coordinate changes.

Activity 2: Linear Pattern

Topic: Linear Pattern (Chapter 2 – Introduction to Linear Polynomials)

- Create a number pattern such as 2, 5, 8, 11, 14...
- Find the rule followed in the pattern.
- Write the algebraic expression for the pattern.
- Represent the pattern in a table form.
- Plot the values on a graph sheet to show the linear relationship.
- Decorate the activity neatly with colours and headings.

Example: For the pattern 2, 5, 8, 11... the rule is “add 3 each time.” The algebraic expression can be written as $3n - 1$

General Instructions

- **Write all work neatly and clearly.**
- **Use proper headings and margins.**
- **Complete the homework before school reopens.**
- **Keep your mathematics register and activity file clean and organized.**

SCIENCE

Q1.REVISE PT 1 SYLLABUS.

Syllabus M.M 50

CH2-Cell: The Building Block of life

CH-4 Describing Motion Around Us.

CH -5 : Exploring Mixtures and their Separation

Q2.Grow any one sapling(like mango, Neem,peepal etc) , nurture it and bring it for plantation drive at school when asked.

Q3.Do given activities in science practical file

Activity 2.2 pg 11,

Activity 5.3 pg 78,

Activity 5.5 pg 82,

Activity 5.7 pg 84

(REFER SCIENCE TEXT BOOK)

Q.4:Do given assignment in science Register.

HHW SCIENCE ASSIGNMENT

CH2-Cell: The Building Block of life

MCQ

1.A cell will swell up if

- (a) The concentration of water molecules in the cell is higher than the concentration of water molecules in surrounding medium
- (b) The concentration of water molecules in surrounding medium is higher than water molecules concentration in the cell
- (c) The concentration of water molecules is same in the cell and in the surrounding medium
- (d) Concentration of water molecules does not matter

2.Chromosomes are made up of

- (a) DNA
- (b) protein
- (c) DNA and protein
- (d) RNA

3.Following are a few definitions of osmosis. Read carefully and select the correct definition

- (a) Movement of water molecules from a region of higher concentration to a region of lower concentration through a semipermeable membrane
- (b) Movement of solvent molecules from its higher concentration to lower concentration
- (c) Movement of solvent molecules from higher concentration to lower concentration of solution through a permeable membrane

(d) Movement of solute molecules from lower concentration to a higher concentration of solution through a semipermeable membrane

4. Plasmolysis in a plant cell is defined as

- (a) break down of plasma membrane in hypotonic medium
- (b) shrinkage of cytoplasm in hypertonic medium
- (c) shrinkage of nucleoplasm
- (d) none of them

5. Find out the false sentences

- (a) Golgi apparatus is involved with the formation of lysosomes
- (b) Nucleus, mitochondria and plastid have DNA; hence they are able to make their own structural proteins
- (c) Mitochondria is said to be the powerhouse of the cell as ATP is generated in them.
- (d) Cytoplasm is called as protoplasm

6. The undefined nuclear region of prokaryotes are also known as

- (a) nucleus
- (b) nucleolus
- (c) nucleic acid
- (d) nucleoid

7. Assertion : Plasma membrane is selectively permeable.

Reason: Plasma membrane allows some molecules to pass through it more easily than others.

8. Assertion : Mitochondria are called 'powerhouses' of the cell.

Reason : Mitochondria produce cellular energy in the form of ATP.

Answer the following Questions

9. If cells of onion peel and RBC are separately kept in hypotonic solution, what among the following will take place? Explain the reason.

- A. RBC cells will swell
- B. RBC will burst easily while cells of onion peel will resist the bursting to some extent
- C. RBC and onion peel cells will behave similarly

10. If you are provided with some vegetables to cook, you generally add salt into the vegetables during cooking process.

11. What would happen if

- i) the plasma membrane ruptures or breaks down?
- ii) Golgi apparatus is absent in the cell?

12. Differentiate between the following

- i) Rough Endoplasmic Reticulum (RER) and Smooth Endoplasmic Reticulum (SER).

ii) cell wall and plasma membrane

iii) nucleus and nucleoid

13. Name a cell organelle found only in a plant cell which has its own genetic material and mention its various types along with their functions and location.

14. Explain the significance of the following in cells:

i. Folds of the mitochondrial membrane

ii. Lysosomes in immunity

iii. Chlorophyll in plant survival

15. What is cell division? Name the type of cell division responsible for repairing of tissue and formation of gametes. Also difference between them.

16. Ravi observed onion peel cells and human cheek cells under a microscope in his school laboratory. Help him to understand some points about these cells by answering the questions given below.

A. Which of these cells has a cell wall? State its function.

B. Which of these cells has no chloroplasts? Give the reason for its absence.

C. Which of these cells has a large vacuole? What is its role?

D. Given below is a diagram of a plant cell. Which of the following parts is called the powerhouse of the cell?

17. Name the model that explains the structure of cell membrane and why it is named so?

18. Calculate magnifying power of light microscope, if both objective and eyepiece have magnifying power of 10X.

SOCIAL SCIENCE

History-

1. Make an elaborate timeline of early humans and beginnings of civilization, starting from prehistoric time (Stone age) to the development of various civilisations around the world. Paste relevant images along with descriptions.

2. Mark the following on the political map of India

MAP 1 (Archaeological Sites)

1. Mehrgarh

2. Burzahom

3. Bhimbetka

4. Hunsgi
5. Kurnool Caves
6. Brahmagiri
7. Adichanallur
8. Daojali Hading
9. Kolkata
10. Mumbai

Map 2 (Major centres and cities in Indus Valley Civilisation)

1. Harappa
2. Mohenjodaro
3. Lothal
4. Dholavira
5. Peshawar
6. Taxila

Map 3

1. Most densely Populated State
2. Least densely Populated state
3. Largest State
4. Smallest State
5. 2 Islands

Political Science

1. Paste/draw the symbols of any five Indian political parties and write one interesting fact about each.
2. Do the question-answers of Ch10- Elections in Indian Democracy in your registers

Economics

Choose any one welfare scheme of the Indian Government from the following list:

1. Beti Bachao, Beti Padhao
2. Swachh Bharat Abhiyaan
3. Digital India
4. Smart City
5. Skill India

Do the following:

1. Draw or paste the logo of the scheme.
2. Write a few lines explaining the aim of the scheme, when it was launched, its achievements and shortcomings.

Geography

Do the question-answers of Theme-3 Atmosphere and Climate in your registers.

INFORMATION TECHNOLOGY

1. Digital Poster Activity

Create a poster in Libre Office Writer on:

“Be Safe on Social Media”

Include:

- 5 safety tips
- Suitable images
- Border and WordArt style heading

2. Newsletter Design

Create a 2-page school newsletter on:

“Summer Vacation Activities”

Must include:

- Header & Footer
- Images
- Columns
- Text formatting

3. PPT Activity

Create a presentation (5 slides) on Libre Office Presentation:

“Uses of AI in Daily Life”

Include:

- Transitions
- Images

- Animations

Note: - Take a print and paste it in your blue folder all your activities.

4. Learn Part A- Unit 1 and 2. And Part B Unit -3 for your Periodic Test.

ART AND CRAFT

CRAFT WORK

- 1) Make a Madhubani Design on a handmade paper bag.
- 2) Make a Lippon Art with a big mirror and decorate it with shilpkar clay.

ART WORK

- 1) Make any two Landscapes with pastel colours or water colours in your sketch book.

ART EDUCATION

Theory Work

Chapter - 1 Introduction to the History of Art

- 1) What do you know about Madhubani Art and Warli Art?
- 2) Write a note on Indus Valley Civilisation and its Art work.
- 3) What is Sculpture and relief work? Explain.
- 4) Describe about "Lion Capital" of Sarnath.

Note- Do Theory work in a practical file which you got by the class teacher. .

PHYSICAL EDUCATION

- NOTE KINDLY DO HOLIDAY HOMEWORK IN PHYSICAL EDUCATION FILE.
 - MAINTAIN NEATNESS AND PROPER PRESENTATION.
- 1) Write any ten asanas.
 - 2) One asana should be done on one page.
 - 3) Write the procedure, benefits and contraindications of each asana.
 - 4) Pictures of respective asanas should be pasted in front of them.

WORK EXPERIENCE

Visit a nearby Orphanage home, arrange a few activities there with the children, click pictures and paste them in your project file sharing the details and experience of your Visit.