



Rayat Shikshan Sanstha's
Loknete Ramsheth Thakur Public School,
Kamothe



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Summer Holiday Homework

Std : IX

Sr. No	Subject	Homework
1.	English	1. Poster Making Make a colourful poster on the topic: “Educate Girls, Empower Nation” Instructions: Use chart paper/A4 sheet Add slogan, drawings, colours and neat borders. 2. Biography Activity Inspiring woman: Journey of SUDHA MURTHY’S (Art Integrated project)
2.	Hindi	1. निबंध लेखन (Essay Writing) किसी एक विषय पर 300–350 शब्दों में निबंध लिखिए— - पर्यावरण संरक्षण का महत्व - मोबाइल फोन: लाभ और हानि - मेरे जीवन का लक्ष्य - जल ही जीवन है 2. परियोजना कार्य (Project Work) किसी एक हिंदी लेखक/कवि पर 3–4 पृष्ठ का प्रोजेक्ट तैयार करें। उदाहरण— - मुंशी प्रेमचंद - महादेवी वर्मा - हरिवंश राय बच्चन प्रोजेक्ट में शामिल करें: जीवन परिचय प्रमुख रचनाएँ उनकी साहित्यिक विशेषताएँ
3.	Marathi	कोणत्याही पाच संतांची चित्रे चिकटवून माहिती लिह

4.	Science	BIOLOGY 3D Model of Plant Cell OR Animal Cell <u>Objective:</u> To understand the structure and differences between plant and animal cells. <u>Materials:</u> Cardboard / shoebox (base) Clay / play dough (different colors) Green paper / sponge Fevicol / glue Toothpicks + labels 1. <u>3D Model of Plant Cell</u> Shape: Rectangular / box-like Steps: Make a rectangular base using cardboard. Create a thick outer boundary → Cell wall. Inside it, add a thin layer→ Cell membrane. Fill with clay → Cytoplasm. Add organelles using different colours Label These Parts 2. <u>3D Model of Animal Cell</u> Shape: Round / irregular Steps: Make a round or oval shape. Outer layer → Cell membrane (no cell wall). Fill inside → Cytoplasm. Add organelles, Label These Parts. PHYSICS “Construct a working model to demonstrate Newton’s Second Law of Motion.” CHEMISTRY Students collect the information of Chromatography which is the separation technique of mixture. (Use following criteria to collect the information) - Definition of chromatography - Types of chromatography
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		- Pictures/Diagrams/Photos - Detail information - Applications
5.	Mathematics	Prepare a Portfolio of Coordinate Geometry: <u>Page 1</u>: Cover Page <u>Page 2</u>: About Yourself <u>Page 3</u>: Acknowledgement <u>Page 4</u>: Index <u>Page 5-6</u>: Key Concepts (Explain with examples) - Cartesian Plane - Coordinate Axis - Quadrants - Coordinates - Distance Formula (derivation) <u>Page 7</u>: “My Surroundings on Graph” [Take a small area (home, classroom, park, or street) Draw it on graph paper using coordinates Ex: Gate → (0,0), Tree → (2,3), House → (4,1) Join points to form a layout/map (Atleast 5 points to be made) and also find the distance between points.] <u>Page 8</u>: Conclusion The project must be done on A4 size sheets. Use graph paper neatly and label it. Use your creativity for it to look more neat and presentable.
6.	SST	Agents of Weathering & Erosion Scrapbook (Including features, labelled diagrams, and pictures) Major Agents of Erosion: Water (River), Wind, Glacier, Sea Waves, and Underground water Instructions for Students Use 5 A4 size papers, Include neat drawings or pictures Write short explanations Use labels clearly Maintain clean and colourful presentation