SHARDA VIDYALAYA, RISALI, BHILAI
CLASS – IX
VACATION HOMEWORK

S. No.	Subject	Topic
1.	**ENGLISH**	1) Collect the information about the musician with pictures of Chhattisgarh and Kerala. Prepare the project file on it. (Art integrated project) 2) You met your cousin after a long time in this vacation. You shared your childhood memories of playing together. Write a diary entry how you felt at the end of the day. (Write in your notes copy)
2.	**HINDI**	1-छत्तीसगढ़ एवं केरल के प्रमुख तीर्थ स्थल, उत्पत्ति अथवा निर्माण संबंधित अवधारणाएँ ,मूर्तियाँ , विशेषताएँ एवं संबंधी त्योहारों का वर्णन करते हुए पी .पी .टी . तैयार करें । 2- कृतिका -पाठ 1 'इस जल प्रलय में' पाठ संबंधित सभी प्रश्नोत्तर कॉपी में लिखिए ।
3.	**MATHS**	1) Write all the important formulas and definition of all the chapters of your maths book in your maths copy. 2) Art Integrated project- Compare the Birth rate, literacy rate of Kerala and C.G government. Also prepare a graph of it.
4.	**SOCIAL SCIENCE**	1. About different type of crops grown in Chhattisgarh and Kerala and their cultivation difference. 2. The irrigation facilities ancient as well as modern in both states.(PPT or files)

5.	**SCIENCE**	**Physics-**
		Q.1 Write difference between Speed and Velocity?
		Q.2 Velocity time graph for the motion of an object in a straight path is a straight line parallel to the time axis.
		   a) Identify the nature of motion of the body.
		   b) Find the acceleration of the body.
		   c) Draw the shape of distance-time graph for this type of motion.
		Q.3 During an experiment, a signal from a spaceship reached the ground station in five minutes. What was the distance of the spaceship from the ground station? The signal travels at the speed of light, that is $3 \times 108 \text{ m s}^{-1}$.
		Q.4 An athlete completes one round of a circular track of diameter 200 m in 40 s. What will be the distance covered and the displacement at the end of 2 minutes 20 s?
		Q.5 Joseph jogs from one end A to the other end B of a straight 300 m road in 2 minutes 30 seconds and then turns around and jogs 100 m back to point C in another 1 minute. What are Joseph's average speeds and velocities in jogging (a) from A to B and (b) from A to C?
		Chemistry- (AIL)
		Tabulate Metals and Non- metals with symbols, atomic number, atomic mass and uses in Kerala and Chhattisgarh in power point presentation
		Biology-
		1. What is the name of the plastid that stores starch, oils, and protein granules?
		2. Why is a light microscope referred to as a compound microscope?
		3. What are cytosol and cytoskeleton?

		4. Based on the size and number of chromosomes, distinguish between eukaryotic and prokaryotic cells.
6.	**AI**	1. Write three application areas of the various Domains of AI and paste their pictures. 2. Imagine the world in 2050 and write a letter to your future self. Be sure to mention things that your future self would probably be doing and experiencing in daily life. 3. Share your views on Smart City and Smart Homes. How do you think AI can help you in your daily life? (Do it in the practical copy. Written part to be done on lining side and images or drawings on blank page)
7.	**IT**	1- Create a document in Open Office Writer showing the difference between Chhattisgarh and Kerala in the following headings- 1. IT Sector (Companies & job options) 2. Sex Ratio 3. Living Standards Your document should be in the given formattings: a. Font face- Heading- Monotype Corsiva, Text- Bookman Old Style b. Font size: As per choice. Heading should be in Bold and Underlined c. Font color – Heading- Blue, Text- Either Red or Pink d. Header &Footer- Header should be: CLASS- IX/Sec. (2024-25), Color- Green Footer should be: Made by- < Your_name> & Guided by- <Teacher_name>, Color- Green 5. Images: As per the topics. 2. Write the name of different icons present on Drawing toolbar. Draw/Paste its pictures. 3. Paste an image of the keyboard and write its various categories of keys. (Do it in the practical copy. Written part to be done on lining side and images or drawings on blank page)
8.	**MARKETING**	Students shall prepare a file having a collection of different-Companies with their products. They should further classify the products and identify the marketing Concept/Philosophy used by the company to be in the market.

"May this vacation bring you lots of good memories. Happy summer vacation."