

SUMMER VACATION HOMEWORK**CLASS – IX**

SUBJECT:	HOLIDAY HOMEWORK
ENGLISH	Q.) Recently you celebrated your 14th birthday, with your friends & family members. Write a descriptive paragraph about this celebration .Invent all the necessary details.
HINDI	किन्ही दो विषयों पर सचित्र संवाद लेखन कीजिए। A4 साइज शीट का प्रयोग करें। PT-1 का कोर्स याद करें।
SCIENCE	TOPICS: 1.Nitrogen Cycle 2.Carbon Cycle 3.Air Pollution 4.Water Pollution 5.Soil Pollution 6.Green House Effect 7.Ozone layer depletion Instructions: 1.You have to make it on A3 paper 2. You have to select any one topic out of that. 3.On front page you have to draw cycle/ draw causes, effects, preventions by using creativity. 4.On back side you have to write steps of cycle/ causes, effects and prevention of pollutions in neat handwriting.
MATHS	1. Express the following in $\frac{p}{q}$ form, where p and q are integers and $q \neq 0$ (i) $2.1\overline{34}$ (ii) $2.1\overline{34}$ (iii) $1.\overline{12}$ 2. Show how $\sqrt{30}$ can be represented on the number line. 3. Use suitable identities to find the following: (i) $(3x - 5)(3x + 7)$ (ii) 1002×999 4. Factorise: (i) $8x^3 + 27y^3 + 36x^2y + 54xy^2$ (ii) $(2x^2 + 3y^2 - z^2)^2$ 5. Factorise: (i) $8x^2 - 18$ (ii) $2x^2 + 3x - 9$ (iii) $6x^2 - 17x + 12$
SOCIAL STUDIES	Complete the notes/QA of all the below mentioned chapters: 1. Political Science: Ch1 (What is Democracy? Why Democracy?) 2. Geography: Ch 1(India- Size and Location), Ch 2 (Physical Features of India) 3. Economics: Ch 1(The Story of Village Palampur) Find out the objective type questions from each chapter. Notebooks will be checked of objective type questions after the vacation