SUMMER HOLIDAYS HOMEWORK (2024-25)
CLASS - IX

SR NO.	SUBJECT	HOMEWORK ASSIGNMENT
1	**English**	Read and learn questions and answers of : **Beehive text book :** Chapter 1, Poem 1 **Moments text book :** Chapter 1. Complete the extra questions and answers of the Chapter 1. The Lost Child. **Writing Skill:** Rules of Tenses **Story writing:** One day I wake up and saw a huge commotion…….. **BIOGRAPHY ON ROBERT FROST:** His Childhood, Poems, Noble works, Photograph, Adulthood, Awards. Paragraph Writing Skill on 'My self' Introduction :- Name, place, standard, section, photograph What do you like to do in free time? What are your hobbies? What is your ambition in life? How will you prepare yourself for scoring good marks? How you will make your vacation productive?
2	**Hindi**	स्पर्श: Chapter 1. 'रैदास के पद' (कविता) - प्रश्न उत्तर लिखना और याद करना संचयन: Chapter 1. 'गिल्लू' प्रश्न उत्तर लिखना और याद करना व्याकरण:- गद्यांश Page no. 23 to 27 (Questions 1 to 5) अनुच्छेद 1. ऋतुओं का राजा वसंत , 2. चलचित्र क्या है? (लिखना)
3	**Maths**	1) Represent the following real numbers on a number line. (a) $-\frac{5}{7}$ (b) $\frac{13}{9}$ (c) $\sqrt{3}$ (d) $\sqrt{17}$ (e) $\sqrt{5.7}$ (f) $\sqrt{x}$, where x is a positive real number. 2) Classify the following numbers as rational or irrational. (a) $\sqrt{10}$ (b) $\sqrt{81}$ (c) $(2-\sqrt{3})$ (d) $(\sqrt{4}+\sqrt{9})^2$ (e) $-\sqrt{0.16}$ (f) $\frac{3\sqrt{8}}{\sqrt{2}}$ (g) $(\sqrt{2}+\frac{1}{\sqrt{2}})^2$ 3) Arrange in descending order. (a) $\sqrt[3]{3}$, $\sqrt[6]{4}$, , $\sqrt[9]{10}$, (b) $\sqrt{5}$, $\sqrt[3]{9}$, $\sqrt[6]{105}$, 4) Simplify (a) $\sqrt[3]{16}+\sqrt[3]{54}+\sqrt[3]{192}-\sqrt[3]{375}$ (b) $5\sqrt{147}-\frac{4}{3}\sqrt{\frac{1}{3}}+7\sqrt{\frac{1}{3}}$ (c) $\sqrt{48}-\sqrt{72}-\sqrt{27}+2\sqrt{18}$ (d) $\frac{\sqrt{75}\times\sqrt{60}\times\sqrt{63}}{\sqrt{40}\times\sqrt{200}}$ (e) $6\sqrt{12}\div(\sqrt{3}.3\sqrt{2})$ (f) $2\sqrt[4]{3}\times5\sqrt[4]{81}$ (g) $21\sqrt{384}\div8\sqrt{96}$ (h) $(4\sqrt{3}-3\sqrt{5})^2$ (i) $(\sqrt{7}+\sqrt{6})(\sqrt{7}-\sqrt{6})$ 5) Rationalise the denominator of (a) $\frac{1}{(\sqrt{6}-\sqrt{5})}$ (b) $\frac{30}{(5\sqrt{3}-3\sqrt{5})}$ (c) $\frac{6-4\sqrt{2}}{6+4\sqrt{2}}$ 6) Find the value of 'a' and 'b' in each of the following. (a) $\frac{\sqrt{3}-1}{\sqrt{3}+1}=$ a+ b$\sqrt{3}$ (b) $\frac{3+\sqrt{2}}{3-\sqrt{2}}=$ a+ b$\sqrt{2}$

		(c) $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a+ b\sqrt{3}$ $\qquad$ (d) $\frac{3+\sqrt{7}}{3-4\sqrt{7}} = a+ b\sqrt{7}$ 7) If $x= \sqrt{2}+1$, then find the value of $x^2+\frac{1}{x^2}$ 8) If $x=2+\sqrt{3}$, then find the value of $x^2+\frac{1}{x^2}$ 9) Rationalise the denominator and simplify $\frac{3\sqrt{2}}{\sqrt{3}+\sqrt{6}} - \frac{4\sqrt{3}}{\sqrt{6}+\sqrt{2}} + \frac{\sqrt{6}}{\sqrt{2}+\sqrt{3}}$ 10) Express in the form of $\frac{p}{q}$. $\quad$ (a) $0.\overline{437}$ $\qquad$ (b) $18.\overline{48}$ $\quad$ (c) $2.3\overline{6}$
4	**Science**	1. Learn Questions and Answers of Chapter 1, Chapter 5 and Chapter 7 2. Solve num+ericals of Chapter 7.
5	**S.St.**	Geography Chapters 1 & 2 - Solve the extra questions given in class Civics: Chapter 1 - Solve the extra questions given in class Practice map work of Geography Chapters 1 & 2
6	**IT**	Session - 1 : ICT and Its Impact Session - 2 : Basics of a computer system a mobile device. Session - 3 : Input, Output, Memory and Storage device of a computer system. Learn All Question and Answers of session 1, 2 and 3.

SPACE ENGLISH MEDIUM SCHOOL
(Senior Secondary School – Affiliated upto Std. 12th)
Jetpur, Distt. Rajkot (Gujarat)

Dear Parents, $\hspace{6cm}$ **Date : 27.04.2023**

$\qquad$ Holiday Homework is as an opportunity to spend quality time together. Holidays are time when you can connect with your child in many ways. As parents are the first and the most important teacher for a child, we can encourage our child to participate in many educational activities at home and promote his/her quest to learn. Working together will not only help your child to build, learn and develop his/her skills but also strengthen your bond with him/her. Let your child take the lead and use his/her imagination, creativity and knowledge to do the assigned task. The role of the parent is to be a facilitator and guide to steer the child in the right direction. He/ She will find his own destination. Original work of students will receive greater recognition and appreciation.

$\quad$ **"HOMEWORK** for summer vacation has been given to the students which will be done regularly. Holiday Homework is mandatory to be submitted on **3rd June 2024** when school reopens.
The school will remain closed for '**SUMMER VACATION'** from **29th April 2024 (Monday) to 2nd June 2024 (Sunday)**. The school will **re-open on 3rd June 2024 (Monday)** at its usual timing.

General Instructions for Students:
1. Holidays Homework carries marks; hence submission of work post vacation is compulsory for all students and it must be done in holiday homework notebook or register. Holiday Homework will be evaluated in **Subject Enrichment Activity** which is of **10 marks** and included in **Mid Term Exam**. Marks will be allotted for doing holidays homework.
2. The holidays work must be done in a very neat and presentable manner. Do all work under the guidance of your parents and guardians with date & day? Try to do your written work regularly to enhance your writing skill.
3. The child will be assessed for the handwriting, presentation, neatness, completion of all the given questions.
4. Enrich your vocabulary by learning the vocabulary words from English textual books and newspaper.

"Enjoy a great summer vacation!!!"