



N. K. PUBLIC SCHOOL

ARYA NAGAR, MURLIPURA, JAIPUR

SUMMER HOLIDAY HOME WORK : 2023-24

CLASS : IX

Hindi -

- श्रुतिसमभिन्नार्थक शब्द (50)
- संवाद लेखन (कोई दो)
- पत्र लेखन – औपचारिक एवं अनौपचारिक
- निबन्ध लेखन– विद्यार्थी जीवन में अनुशासन

English-

- Make a file on the life of achievement of the poet Robert Frost and write the explanation of the poem “The Road Not Taken”

Social Studies-

- Plant a Tree, Make a video of it and send it to Me on my personal whatsapp number.
- Make a model /working model of
 - ❖ Any fort or palace of India
 - ❖ Make a model of Parliament House
 - ❖ Evolution of Currency
 - ❖ Three – Image of any National Hero
- Draw the map of India on A-4 size sheet after practicing - Locate all states

Science-

- Make a project on topic given below-
 - ❖ Energy conservation
 - ❖ Rotational Object
 - ❖ Electricity
 - ❖ Any other topic

Sanskrit-

- अपठित गद्यांश (कोई 4) – व्याकरण पुस्तिका में लिखें।
- एक संस्कृत गीत लिखिए।
- किन्हीं पाँच विभागों के लोगो (Logo) बनाकर उनके संस्कृत ध्येय वाक्य लिखिए।

Mathematics-

➤ Do the given worksheet based on ch-1

Worksheet Based On Ch-1

Q.1 Prove $\sqrt{2}$ is irrational.

Q.2 Find two irrational number between $\sqrt{2}$ and $\sqrt{3}$.

Q.3 Which of the following number are rational and irrational?

(a) $(\sqrt{2}+2)^2$

(b) $(5+\sqrt{5})(5-\sqrt{5})$

(c) $\frac{6}{2\sqrt{3}}$

(d) $(\sqrt{2}+\sqrt{3})^2$

Q.4 Express $0.12\bar{3}$ in $\frac{p}{q}$.

Q.5 Express $\frac{3}{17}$ in decimal

Q.6 Find three rational number between $\frac{-2}{3}$ and $\frac{1}{4}$.

Q.7 Solve: $(27)^{\frac{-2}{3}}$

Q.8 Rationalise the denominator : $\frac{1}{2+\sqrt{3}}$

Q.9 Write three rational Number between $\frac{4}{6}$ and $\frac{2}{7}$.

Q.10 Simplify: $(4+\sqrt{7})(3+\sqrt{2})$
