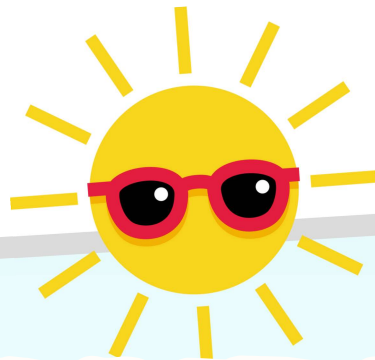




**CAPSTONE ENGLISH MEDIUM
HR. SEC. SCHOOL, SEMRA**

**HELLO
SUMMER**



HOLIDAY

HOMEWORK

CLASS 8 – CLASS 9





MODEL OF BASIC GEOMETRIC SHAPES

Objective

Understand properties of 3D shapes and apply mensuration formulas.

Materials

Cardboard, clay, ruler, glue, markers

Steps

Construct 3D models of a cube, cuboid, cylinder, and cone.

Measure and label dimensions (e.g., length, breadth, height, radius).

Calculate surface area and volume for each shape using formulas.

Present findings in a chart with diagrams.

Learning Outcomes

Mastery of geometric properties

Application of mensuration formulas



Objective

Demonstrate the use of solar energy for heating.

Materials

Shoebox, aluminum foil, plastic wrap, black paper, thermometer

Steps

Line a shoebox with aluminum foil and black paper.

Cover the opening with plastic wrap to trap heat.

Place a small food item (e.g., chocolate) inside.

Position the box in sunlight and measure temperature every 10 minutes.

Record observations and explain heat transfer.

Learning Outcomes

Understanding heat and solar energy

Practical application of scientific principles



Objective

Visualize the chronology and significance of the Mughal Empire.

Materials

Chart paper, markers, printed images, glue

Steps

Research key Mughal rulers (Babur, Humayun, Akbar, etc.).

Create a timeline on chart paper, marking reigns and major events.

Add illustrations or printed images for each event.

Write a brief description of each ruler's contributions.

Present the timeline to the class.

Learning Outcomes

Understanding historical chronology

Enhanced research and presentation skills

ENGLISH

Objective

Analyze characters from any story given in the book and express findings creatively.

पुस्तक में दी गई किसी भी कहानी के पात्रों का विश्लेषण करें और निष्कर्षों को रचनात्मक ढंग से व्यक्त करें।



हिन्दी

Objective

Summarize a Hindi story and present it visually.

एक हिंदी कहानी का सारांश बनाइये और उसे दृश्यात्मक रूप में प्रस्तुत कीजिये।

संस्कृत

Objective

Summarize a story and present it visually.

एक कहानी का सारांश बनाइये और उसे दृश्यात्मक रूप में प्रस्तुत कीजिये।