

ESTEEM PUBLIC SCHOOL

A Senior Secondary School (10+2)

Affiliated to CBSE, Delhi

HOLIDAY HOMEWORK OF SUMMER VACATION

CLASS – IX A

Chaliyama (Only for the students of the Chaliyama branch)

ENGLISH

Homework : In your English note book write and learn all the vocabs along with their meanings (5times each) till Taught.

Assignment : Pottery is practiced in many parts of our country & each region has its unique style. Make an assignment in file depicting different styles of Indigenous pottery.

Project Work : Search for poems or songs dedicated to India, your motherland, in your regional language and write it on chart paper

MATHS

Homework : Write end of chapter - 3 exercise Pg-64, 65 in copy

Assignment : Prepare a stick file on the world of Numbers ch - 3

ProjectWork: Draw a Boat on a graph Paper using coordinates given A(1,11),B(5,10),C(1,9),D(1,1),E(7,1),F(8,1) G (6,-2), H (-5,-2). Join AB, BC, AD, CF, EF, EH, HG, GF.

INFORMATION TECHNOLOGY

Homework : Complete DIGITAL DOCUMENTATION PART-B Session Question Answers, Fill in the Blanks, True/False, MCQs, Match the following and unsolved Question Answer, MCQs and Application Based Questions in your IT Copy

Assignment : 1. Collect the information about difference services in ITes with example (on A4 sheet)
2. Write and paste about any one entrepreneurs in chart paper.(Maximum 1000 words)

Project Work : 1. Collect interesting facts and pictures related to the e-Governance and paste it in chart paper and explain each picture.

2. Draw the different types of Gestures that we do while doing the non-verbal communication, (at least 10) in chart paper.

SCIENCE(PHYSICS)

Home Work : Solve the Questions given in a PDF format in the class group whats App.

Project Work : Prepare a working Model of any mode of transport using motor, sensor, Rc etc.

Assignment : Study and prepare a report on “How physic play a vital role in revolutionizing the world in different fields”.

SCIENCE (CHEMISTRY)

Home Work : Learn and write all inside and exercise Q/Ans from each topic of the chapter
“Exploring mixture and their separation”

Project Work : Make a neat and clean diagram of Periodic table in a chart paper.

Assignment : Write a activity - 1 in your practical note book to study at least 5 major lab apparatus.

SCIENCE (BIOLOGY)

- Home Work** : Write some differences between plant cell and animal cell
Project Work : Draw a well labeled diagram of Plant cell on a chart Paper.
Assignment : Make a table including the names of all scientists related to the Cell, along with their discoveries and the year of discovery.

GEOGRAPHY/ECONOMICS

- Homework** : Prepare very short Question from Economics chapter "Building blocks in Economics"
Assignment : Prepare assignment on "The three Grand mysteries of economics, How to produce? What to produce? When to produce? In economics copy
Project Work : Prepare a file on 'Disaster Management' with pictures.

S.ST (HIS. + POL.SCI.)

- Assignment** : 1. Locate different democratic countries on the world political map. (Use a chart paper)
2. Make an assignment on Lok Sabah Election 2024.

HINDI

- गृहकार्य** : गंगा पाठ्यपुस्तक के पाठ 2 क्या लिखूं? को पढ़कर उनके प्रश्न उत्तर अपने कॉपी में लिखें।
असाइनमेंट : गंगा नदी की आत्मकथा अपने उत्तरपुस्तिका पर लिखें।
परियोजना कार्य : 'दो बैलों की कथा' की घटना को चित्रकथा के रूप में एक चार्ट पेपर पर दर्शाए।

----- End of the Holiday Homework -----

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CLASS – IX A1 **Tungri (Only for the students of the Tungri branch)**

ENGLISH

- Homework :-** Be updated with the notes of all the chapters taught till date.
Project Work :- In a chart paper frame a poem in your own words decoratively.

MATHS

- Homework :-** 1) Write all the concepts, notes and exercise work (i.e., questions given in book) in a holiday homework copy and practise the following chapters in a rough copy:
* Number System
* Polynomials
- Assignment :-** 1) Prove that $\sqrt{2}$ is irrational.
2) Find 3 rational numbers between $\frac{2}{3}$ and $\frac{3}{4}$.
3) Express $0.\overline{375}$ in $\frac{p}{q}$ form.
4) Represent $\sqrt{3}$ on a number line.
- Project Work :-** 1) Construct a spiral of Roots (square root spiral) and represent $\sqrt{2}, \sqrt{3}, \sqrt{4}, \sqrt{5}$ upto $\sqrt{10}$ geometrically. Explain the construction using proper steps.

SCIENCE(PHYSICS)

- Project Work :-** 1) Draw the Distance vs. Displacement table in an A4 size paper and map out the complex paths in the school ground to compare the total distance travelled against the net displacement.
- Assignment :-** 2) A body travels a distance of 15 m from A to B and then moves a distance of 20 m at right angles to AB. Calculate the total distance travelled and the displacement.
3) Write down the difference between speed and velocity.
4) Draw the velocity – Time graph in graph paper.

SCIENCE(BIOLOGY)

- Homework :** Learn the chapter “Cell – The Building Block of Life”.
Assignment :- Draw and label neatly “Cell and its Organelles”.
* To be done in spiral file.
Project Work :- Make a 3D model of a cell using clay/thermacol.

S.ST (HISTORY)

- Homework :-** (a) Define: Microliths, Nomad, Paleolithic Period, Neolithic Period.
(b) Write about Bagor.

- (c) Complete all the notes of History taught till date.
- Assignment :-** Illustrate the findings at various Neolithic sites in India.
- Project Work :-** (i) Draw or paste old stone age tools in $\frac{1}{4}$ th size chart paper.
(ii) Paste or draw different types of Neolithic tools.

S.ST (GEO + ECO)

- Assignment :-** Write the types of Economic Systems and its features. (use a stick file)
- Project Work :-** Draw and colour interior layer of the Earth and write its features also on a chart paper.

IT (402)

- Homework :** Learn and write all the Q/A of Ch – 01 in note copy.
- Assignment :-** 1. Explain the concept of digital footprint and its impact on future life.
2. How can technology be both helpful and harmful for teenagers? Explain.
3. What is digital detox? Why is its important?
- Project Work :-** Make a poster on "Digital India" and also explain shortly about it. (Use chart paper).

HINDI

- गृहकार्य :-** * "दो बैलों की कथा" पाठ का अध्ययन करते हुए प्रश्न अभ्यास लिखें।
* निबंध लेखन :- वृक्षारोपण का महत्व
* अनुच्छेद लेखन :- राष्ट्रीय एकता
* संवाद लेखन :- पर्यावरण बचाने पर दो दोस्तों के बीच संवाद
- असाइनमेंट :-** * भारत की प्रमुख धरोहरें - महत्व और संरक्षण
* परिचय
* भारत की प्रमुख धरोहरों के नाम
* धरोहर का महत्व
* धरोहर संरक्षण के उपाय
* निष्कर्ष
- परियोजना कार्य :-** * चार्ट पेपर में 'अलंकार' की परिभाषा को बताते हुए उसके भेदों का वृक्ष बनायें एवं चित्र सहित उदाहरण बताएँ।

----- End of the Holiday Homework -----