

HOLIDAY'S HOMEWORK



CLASS 10

"THE HOLIDAY SEASON
IS A PERFECT TIME
TO REFLECT ON OUR BLESSINGS
AND SEEK OUT WAYS TO
MAKE LIFE BETTER
FOR THOSE AROUND US."

SOCIAL SCIENCE

ASSIGNMENTS: Do the Assignment Questions of the following chapters:

Geography Ch 1: Resources and Development & **Ch 5 :** Minerals and Energy Resources

Pol Sc. Ch 1: Power Sharing & **Ch 2 :** Federalism

Economics : Ch 1 : Development

Disaster Management: Ch 3: Survivor Skills : Subject Enrichment Activity

Prepare a pocket guide on First Aid for your school. It should contain the aids to be used for the following :

- (1) Fractures and Sprains
- (2) Poisoning
- (3) Cuts and Burns
- (4) Heat and Cold Wave
- (5) Fainting and Losing Consciousness

The content shared in the guide should be supported with adequate pictures so as to give a clear and elaborate understanding on it.

Following essentials are required to be fulfilled for its preparation and submission.

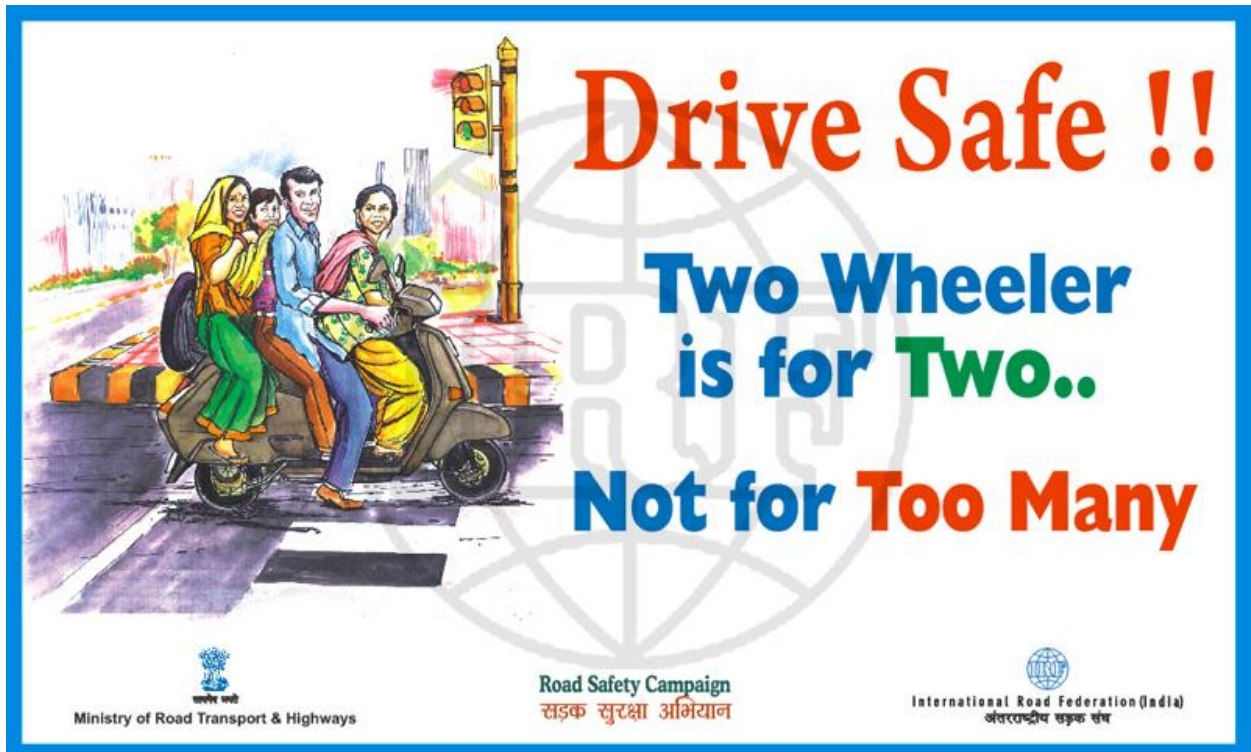
1. The total length of the project report will be 25 – 30 pages.
2. The project report will be hand written.
3. The project report will be presented in a neatly bound pocket size diary or notepad etc..
4. The project report will be developed in this sequence.
 - Cover page showing project title, student information, school and year
 - List of contents
 - Acknowledgements and preface (acknowledging the institution, offices and libraries visited and persons who have helped)
 - Introduction
 - Topic (it should include meaning, description, causes, harmful effects, cure, precautions etc.)
 - Planning and activities to be done during the project, if any.
 - Conclusions (summary and suggestions or findings)
 - All the photographs and sketches should be labelled and related to the theme.

ENGLISH

1. Write one article on any of the following topics which may be published in Annual School magazine.

- Article Writing(Scientific, factual, descriptive and literary)

2. Elucidate the following picture with the help of self composed poem or a short fiction story.



3. Prepare a Book Review on the novel “**The story of my life-1903**” written by Helen Keller . The book review should contain information about the author , synopsis of the novel, character sketch of the main characters of the novel . Supplement your project with pictures, collages, sketches, cover page/ book jacket. Make it visually appealing and attractive. The text should be hand written.

4. Explain the following Poetic devices or Figure of Speech with 2 examples of each. Along with this also skim S.T.Colleridge or Rabindranath Tagore 1 poem each and identify the following figure of speech.

- Alliteration
- Hyperbole
- Similes
- Onomatopoeia
- Allusion
- Oxymoron
- Metaphors

- Personification
5. Revise the whole syllabus covered in the class.
 6. Do practice of grammar in the Workbook and do assignments no. 1,2 &3
 7. Do assignment no. 3&4 (Fiction) and assignment no.2&3 (Poetry)
 8. Read newspaper and listen English news daily. Make your own Vocabulary scrap book. Note down at least 10 new words with their synonym n antonyms each week.

MATHS

➤ PROJECT

Make a model of clinometer in groups already made in class with the help of the following steps-

About a Clinometer

A clinometer is an optical device for measuring the angle of elevation or depression. It has a metal tube that allows the user to view the top of an object and a protractor-like device on one side to measure the angle.

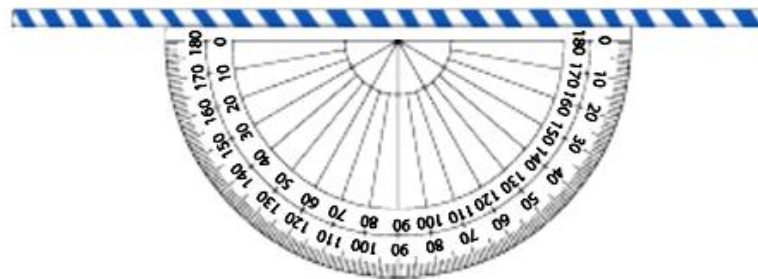
Constructing a Clinometer

What do we need?

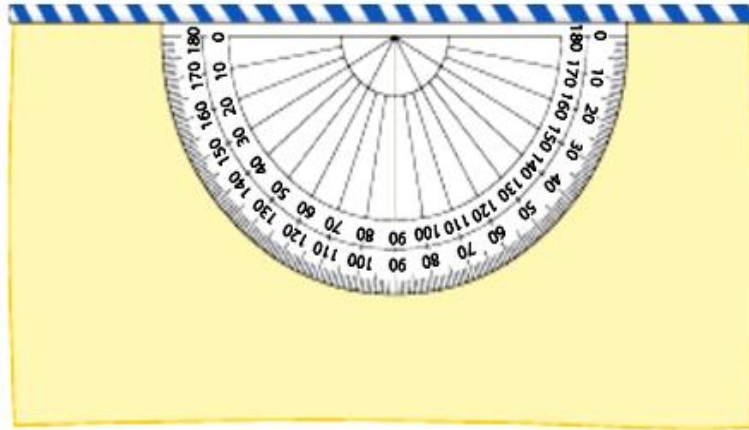
- Thick chart paper - 1
- 12 inch long piece of sturdy string
- One washer
- Cello tape
- One drinking straw (with a large radius)

How to construct a clinometer?

- 1 Attach the drinking straw to the straight edge of the protractor with the help of tape and string.



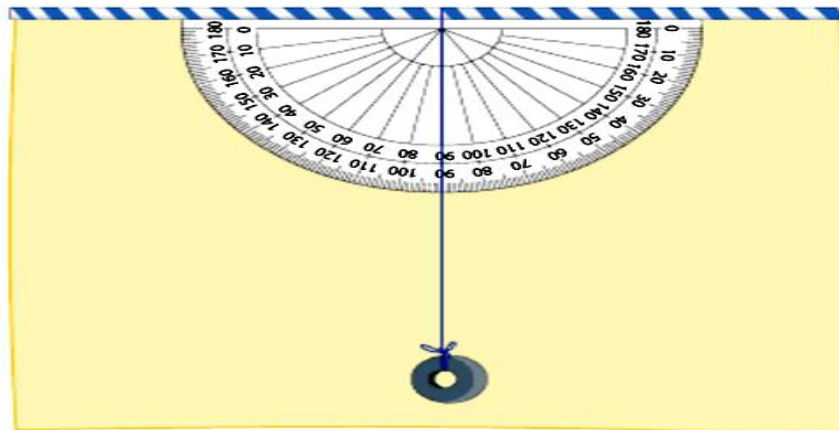
- 2 Paste the straw and protractor to a piece of paper as shown in the diagram.



- 3 Attach a washer or a heavy metal object to the end of the string.



- 4 Glue or tape the string to the top edge of the protractor.



- 5 Your Clinometer is ready for use.

- **Do all the assignments of ch-2,3,4 and 8 from the assignment booklet in assignment register.**
- **Practice ch- 2,3,4,8 and 13 from ‘NCERT EXEMPLAR BOOK’**
- **Do the writing part of the maths lab activities ‘ activity 1 to activity 5 ‘ in Maths Lab File**

SCIENCE

BIOLOGY

MODEL MAKING

Main Theme	SUB Theme	Roll-No.
	1. role of biotechnology to improve nutritional value of crops	1-5
Innovations for sustainable development	2. demonstration of known facts and findings, and health benefits of physical exercise and Yoga;	6-10
	3. models to demonstrate the impact of chemical residues from fertilizers, pesticides, hormones and food dyes etc., on health.	11-15
	4. devices/methods that control air/water/land pollution and technologies to manage them.	16-20
	5. self-regulating water harvesting system/rainwater harvesting and storage in a manner that evaporation and transportation losses are minimised	21-30
	6. impact of pollution on food and food safety	31-35
	7. cost effective and environmental friendly waste management.	36-40
	8. advantages and disadvantages of genetically modified (GM) food.	41-last

Instructions

- Models can be made using cardboards, clays, wires, plastic tubes, charts, drawing sheets and colours
- Models must have a complete labelling of the systems.
- Students must take care of the presentation of the models.
- Use of internet is allowed to take ideas but the work of students must be authentic
- The exhibit/model may include –
 - ♣ Working model to explain a concept, principle or a process
 - ♣ An indigenous design of a machine/device
 - ♣ An innovative/inexpensive design or technique
 - ♣ Application of basic principles of Science/Technology
 - ♣ Scheme/design of a device or machine to reduce production cost
 - ♣ Investigation based study
 - ♣ New and innovative ideas to the form of presentations

NOTE: A few exemplar ideas pertaining to the sub – themes listed in the context of the theme for the development of exhibits are given below

ASSIGNMENT

1. All the questions of chapters 6 and 7 from assignment booklets.

CHEMISTRY

1. Perform this activity in your kitchen.

- Take a container and mix baking soda and vinegar. Observe the chemical reaction carefully.

- i) Write proper observation and result
- ii) Write the corresponding equation and identify type.
- iii) Write the inference drawn from the above activity.

2. Buy a pH paper from the nearby chemist / chemicals shop and test the pH values of solutions given below in the tables. Record your observations. What is the nature (acids/bases) of each substance on the basis of your observation? Also paste the corresponding pH strip.

Refer to the pH scale and pH chart given in the book.

S.No.	Solution	Colour of pH paper	Approx. pH	Nature of substance
1	Saliva (before meal)			
2	Saliva (after meal)			

- 3 Lemon Juice
- 4 Colourless aerated drink
- 5 Carrot juice
- 6 Coffee
- 7 Tomato juice
- 8 Vinegar
- 9 Baking soda
- 10 Tap water

3. Do the assignments of Chapter-1 & 2 in your chemistry register.

PHYSICS

1. Segregate the appliances used in your house under the heading of 15A and 5A current ratings and write in a tabular form.

2. Indian Government had signed a treaty with USA regarding nuclear energy. Make list of 5 points on how this treaty has benefited India.

3. (a) Prepare a model of a simple circuit consisting of a battery having 3 cells, a bulb, a closed (tapping) switch.

(b) State Ohm's law. Plot the following values of potential difference and current on a graph. Analyzing the graph calculate the Resistance. What are the factors on which resistance of a conductor depends?

V.(Volts) I (Amps)

0.4 0.2

0.6 0.3

0.8 0.4

1.0 0.5

1.2 0.6

4. Do assignment questions in physics register.

Chapter: Electricity (All questions)

Chapter: Magnetic Effect of Electric Current :(Qn: 1 to Qn: 16)

HINDI

कक्षा - X

1. हमारे समाज में व्याप्त (दिल्ली) ~~वृद्धाश्रम~~ वृद्धाश्रम की सूची बनाते हुए उनकी स्थिति व उनमें व्याप्त सुविधाओं पर चित्र सहित रिपोर्ट तैयार कीजिए।
2. 'हिंदी भाषा' की स्थिति व उपयोगिता के बारे में दर्शाते हुए नोटक लिखिए।
3. छायावाद की भूमिका, प्रवृत्तियाँ, प्रमुख कवियों के बारे में बताते हुए PPT तैयार करें व कक्षा में प्रस्तुत करें।
4. अभ्यास पुस्तिका 3-3, 4, 8 से 16 करें।
- पृष्ठ संख्या 31, 38 करें।

PRACTICAL FILE

HTML QUESTIONS

Write the HTML code-:

13 Marks

- Q1) To make the background appear black, text lime, links yellow. Visited links red and selected link as cyan.
- Q2) To make the body text appear 60 pixels away from the top edge of the page and 75 pixels away from the left edge of the page.
- Q3) To display paragraphs in various alignments with different font size and color.
- Q4) To display a paragraph in red color in size 4 but its first letter should be of size 7 and of blue color.
- Q5) To display ordered, unordered, definition and nested lists.

Q6) To display usage of comments.

Q7) To display special characters., mathematical formulas and scientific equations.

Q8) Create a personal blog with Name, Photo, Areas of Interest, School, State, Country in a Table.

Q9) Create a website on anyone of the following topics:

- a) School Website-Infrastructure, Facilities, Uniform, Motto, School Pictures, Extra-curricular activities, Subject and Language options
- b) Travel and Tourism
- c) Statistics on India-State Wise area, Population, Literacy(Enrolment in Primary, Middle, Secondary, Senior Secondary),Gender Ratio
- d) Environment(Save Energy) and Pollution(Global Warming)