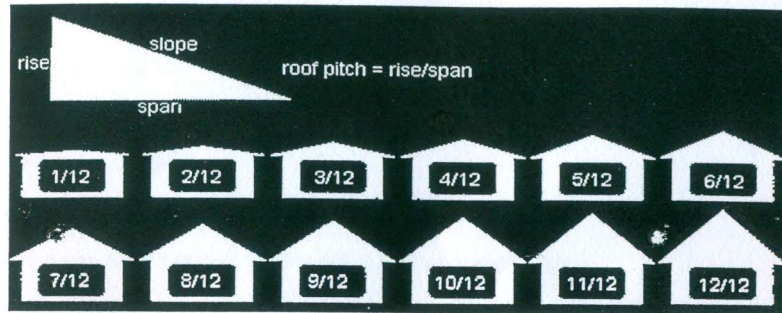


Roof pitch is a numerical measure of the steepness of a roof. Roofs may be functionally flat or "pitched". The primary purpose of pitching a roof is to redirect water and snow.

The pitch of a roof is calculated by the number of inches it rises vertically for every 12 inches it extends horizontally. For example, a roof that rises 6 inches for every 12 inches of horizontal run has a 6-in-12 pitch.



Divide the chart paper in 4 different areas after preparing the caption.

- 1) Roof pitch can be calculated with the help of various methods. With pictures, explain any one method to calculate roof pitch.
- 2) Identify 4 places from all over the world (for each) and connect with the following with the help of pictures:
 - a) Flat roof pitch
 - b) Average roof pitch
 - c) Steep pitch
- 3) Use the science project model to display your knowledge gained.

Bibliography: a) <https://m.wikihow.com> b) www.chasenw.com >blog> determining the roof pitch for your weather

Marking Scheme:

Four areas of Chart paper	4 X 3 = 12
Roof of Science Model	3
Oral Presentation	3
Individual Contribution	2

TOPIC :- WONDER AND MAGIC (LITERARY CHARACTERS)

Each class will be divided into 6 groups. Each group will present a project file analyzing magical literary characters one from each country – India, Greece, Denmark, USA, Germany, Ireland. They will choose one character from an author of the country allotted to them. They will discuss the characteristic features and highlight the common predominant aspects of that character that makes the story interesting. They will provide suitable illustrations where possible.

Marks distribution:- 20 marks

Research and Content :- 10

Presentation and illustration:- 5

Team work : 5

Ever wondered what houses look like in different countries, in different landscapes? Since time began, people have been making a home for themselves. No matter the culture or the country, the concept of home has always been important. Whether it's a place or a feeling, humans are constantly reimagining and redefining what a home means.

The students of the class will be divided into 6 groups. Each group will get one location to study / research. *(of any country)*

Group 1 :- hilly areas,

Group :2 - desert areas,

Group : 3 - tropical countries,

Group : 4- rainforest areas,

Group : 5 - flood prone areas,

Group : 6 - earth quake prone areas within India as well as abroad.

Each group should present their research as a model.

Students will do a comparative study on shelters of these areas based on data collected.

Marks distribution

Team work- 4

Research knowledge- 4

Model- 8

Comparative study (discussion)- 4

S. No.	Location	Materials required	Roof pattern	Ventilation
1.	Hilly areas			
2.	Desert areas			
3.	Tropical countries			
4.	Rainforest areas			
5.	Flood prone areas			
6.	Earth quake prone areas			

E-Waste

E Waste (Electronic waste) or waste electrical and electronic equipment describes discarded electrical or electronic devices. All electronic scrap components, may contain harmful chemical substances. Needless to say, it is a concern of today. To sensitize your community about this problem **make a PowerPoint presentation** with not more than 7 slides with your assigned partner. Carry your required data like images, video, survey and information in a pen drive.

1. Briefly explain the meaning of e Waste.
2. Mention one major reason of e Waste production.
3. Mention any two harmful chemical substances emitted from the e-Waste.
4. Mention one major health hazards due to e-Waste.
5. Make a small survey at your home to find at least four e-Waste(2 each) and find out how they can be disposed by your family members. Make a table of your observation.
6. Mention any two proper ways of disposing or re using e-Waste.

Marking Scheme:-

- o Content (3)
- o PowerPoint skill (4)
- o Give relevant pictures to support your answer. (2)
- o Presentation (0.5)
- o Bibliography (0.5)

Reference:-

http://en.wikipedia.org/wiki/Electronic_waste

<https://www.britannica.com/technology/electronic-waste>

