

GOVERNMENT DEGREE COLLEGE FOR WOMEN

WANAPARTHY

STUDENT STUDY PROJECT

DEPARTMENT OF MATHEMATICS



A PROJECT WORK ON

WORKS OF MATHEMATICS IN DAILY LIFE

Under the Guidance of

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Synopsis:

Title: WORKS OF MATHEMATICS IN DAILY LIFE

Objectives

- What is the Definition of Mathematics?
- What is the Role of Mathematics in the World?
- What is part of Mathematics in Nature and Space?
- What is the role of Mathematics in Real Life?

The term “MATHEMATICS” is derived from two Greek words:

‘Manthanein’ means “learning”

‘Techne’ means “an art or Technique”

Mathematics means the art of learning related to disciplines or facilities.

What is Mathematics?

The Dictionary meaning of Mathematics is that, “It is the Science of number or space.

OR

“The Science of Measurement, Quantity and Magnitude”.

About Mathematics

- Mathematics is the Queen of Science.
- Mathematics is not about numbers, equations, computations, or algorithms: it is about understanding.
- Life is a Math equation. In order to gain the most, you have to know how to convert negatives into positives.
- Without mathematics, there’s nothing we can do. Everything around you is mathematics. Everything around you is numbers.
- Mathematics may not teach us to add love or subtract hate, but it gives us hope that every problem has a solution.

- Mathematics Play an important role accelerating the social, economical and technological growth of nation.

Flow Chart of “ USES OF MATHS IN DAILY LIFE ”



Cooking: In this use ratio and proportion.

Application:

- Mathematical Algorithm
- Mathematical Operations
- Ratios and Proportions

Sports: Maths also forms an important part of the sports field. In this we use Probability, Mensuration, Statistics.

Application:

- Probability
- Mathematical Operations and Algorithm
- Logical Reasoning
- Game Theory

Distance and Length: In this we use trigonometry, calculating the height of mountains.

Lengths, heights and distance is one of the applications of Trigonometry, which is extensively used in real-life.

- Measuring the heights of towers or big mountains
- Determining the distance of the shore from the sea
- Finding the distance between two celestial bodies

Navigation: In this we Coordinate Geometry. We all have seen the aero-planes flying in the sky but might have not thought of how they actually reach the correct destination. Actually, all this air traffic is managed and regulated by using coordinate geometry.

Banking and shopping: Mathematics is the most important part of banking. In this, we use percentage and interest.

Application:

- Mathematical Operations
- Ratio and Percentage

- Algebra

Gardening: Essence calculations and measurement skills are always needed when doing something new in the garden. In this we use mensuration

Architecture: Architects use mathematics to calculate the square area of rooms and buildings and also to develop dimensions of the ground area.

Application:

- Trigonometry
- Algebra
- Linear Programming
- Operations Research
- In this we use Mensuration, Geometry, Trigonometry