**Class 9th Syllabus. Sub: maths**

**PWT 1 (Periodic Written Test) No. of periods**

1) Number system. ( 14)

2) polynomials. (14)

3)Coordinate geometry ( 7 )

4) Introduction to Euclids geometry. ( 8 )

5) Linear equations in 2 variables (10)

6) Statistics ( 4)

**Activities**

1. Activity on rational numbers
2. Activity on Cartesian plane determining the position of abscissa and ordinate
3. Activity on frequency distribution table and data surveying .
4. Geometrical representation of the factorisation of quadratic polynomials
5. Activity on solution to the equation by hot and trial method
6. Activity on (a+b)²

**Term 1 ( PWT1 + following chapters)**

7) lines and angles. (16)

8) Triangles. (20)

9 ) Areas of parallelograms and triangles. (10)

10) Herons formula. ( 8)

**Activities**

1. Activity on angles formed when a transversal intersects 2 parallel lines.
2. Activity on finding areas of triangles when 3 sides are given and the importance of herons formula in finding the area
3. Activity on how to measure the dimensions and finding the area of a given room , figure etc.

**PWT 2 (Periodic Written Test)**

1: Quadrilaterals ( 13)

2: circles ( 15)

3: construction. (06)

**Activities**

1. Activity on how to find the centre of the circle
2. Activity on how to find the length of chord when 3 points are given on a circle

**Term 2 ( PWT2+ following chapters)**

4) Mensuration. ( 22)

5) Probability. (10)

**Activities**

1. Activity on finding the areas of different rectilinear figures by using their respective formulas
2. Activity on finding the probability by throwing the dice , tossing the coins , playing with cards etc.