

## Format for Syllabus

Class – VIII

Subject – Maths

### **April – May**

Chapter 1	Number Systems	10 periods
Chapter 2	Factors and multiple	8 periods
Chapter 3	whole numbers	8 periods
Chapter 4	Integers	5 periods
<b>Revision</b>		7 periods

Activity 1 - (chapter 1):-

To verify that addition is commutative for whole numbers.

2 periods

Activity 2 - (chapter 2):-

To find prime numbers from 1 to 100 by the method 'sieve of Eratosthenes'.

2 periods

### **July – September**

Chapter 5	Fractions	8 periods
Chapter 6	Simplification	2 periods
Chapter 7	Decimals	6 periods
Chapter 8	Algebraic expressions	10 periods
Chapter 9	Linear equation in one variable	6 periods

Chapter 10	Ratio, proportion and unitary method	6 periods
Chapter 11	Line segment,Ray and Line	4 periods
Chapter 12	Parallel lines	2 periods
<b>Revision</b>		7 periods

Activity 3 - (chapter 11):-

To draw a line segment of length 5 cm on a paper and do the following:

- (i) Make a perpendicular line from a point on the given line.
- (ii) Make a line parallel to the given line. 2 periods

Activity 4 - (chapter 7):-

To represent the decimals numbers 0.25,0.5,0.75,0.68 and 0.09 on a 10 x 10 grid. 2 periods

### October – November

Chapter 13	Angles and their measurement	10 periods
Chapter 14	Construction	18 periods
<b>Revision</b>		8 periods

Activity 5 - (chapter 13):-

To represent the following by paper folding.

- (i) A straight line
- (ii) A right angle
- (iii) An acute angle
- (iv) An obtuse angle 2 periods

### Activity 6:-

To classify the triangles on the basis of their sides and angles from the given set of triangles.

2 periods

### December – February

Chapter 15	Polygons	2 periods
Chapter 16	Triangles	2 periods
Chapter 17	Quadrilaterals	4 periods
Chapter 18	Circles	4 periods
Chapter 19	Three dimensional shape	2 periods
Chapter 20	Two dimensional shape	2 periods
Chapter 21	Concept of perimeter and area	2 periods
Chapter 22	Data handling	3 periods
Chapter 23	Pictograph	4 periods
Chapter 24	Bar graph	6 periods
<b>Revision</b>		8 periods

### Activity 6:-

To make a cube using a net and count the number of faces, vertices and edges.

2 periods

### Activity 7 - (chapter 20):-

To determine the number of lines of symmetry of the following shapes.

- (i) Equilateral triangle
- (ii) Square
- (iii) Rectangle

**(iv)** Rhombus

2 periods

Syllabus for Annual Examination:-

Chapter 1 to 24 all.