

SYLLABUS (2017 - 2018)
CLASS -- V
SUBJECT -- MATHEMATICS

Syllabus for April to September (First Term)

Chapters:

1. Large Numbers
2. The four Fundamental Operations
3. Factors and Multiples
4. Fractions
5. Decimals
6. Percentage
12. Symmetry and Patterns

APRIL:

1st week(6th to 7th April): Basic Concepts

2nd week:(10th to 15th April) : Chapter 1-Large Numbers:- Recap Exercise, 7-digit and 8-digit numbers, 9-digit Numbers, Understanding face value and place value, Indian and International system of Numeration

3rd week(17th to 22nd April) : Different ways of expressing a number, Predecessor and Successor, Comparing numbers, Forming numbers ,Rounding off numbers, Roman numbers

4th week (24th to 29th April): Chapter 2- The Four Fundamental Operations: Recap Exercise, Additions of large numbers, Subtractions of Large numbers

May:

1st week (1st to 6th May) : Chapter 2- Multiplication, Multiplication by multipliers ending with zero, Lattice multiplication, Division of large numbers, Problem solving skills

2nd week (8th to 12th May): Estimation in operations on numbers, Chapter 3- Factors and Multiples: Recap Exercise, Factors, Tests of divisibility

3rd week (15th to 20th May) : Prime and composite numbers, Prime factorization, Highest common factor(HCF)

4th week (22nd to 27th May): Multiples, Lowest common multiples, Discover the relationship of HCF and LCM

July:

1st week(3rd July to 7th July): Chapter -4- Fractions- Facts about fractions, Comparing and ordering of fractions ,Addition and subtraction of unlike fractions and mixed numbers

2nd week(10th to 15th July) : Multiplication of fractions, Division of fractions, Word problems based on four fundamental operations.

3rd week(17th to 22nd July): Chapter- 5 Decimals- Introduction to decimals, Reading writing and converting Decimals, Place value and decimals, Expanded form of decimals, like and unlike decimals ,Comparing decimals.

4th week(24th to 29th July) : Addition of decimals, Subtraction of decimals, Multiplication of decimals, Division of decimals

August:

1st week (1st to 5th August) : Chapter 6- Percentage- Meaning of percent, Converting a fraction into percent Converting percent into fraction and decimal number

2nd week (8th to 11th August) : Finding percent of a number, What percent is one number of another

3rd week(16th to 19th August) : Chapter 12- Symmetry and Patterns- What is symmetry ? Symmetry in plane, Shapes, Tessellation, Reflection, Slides, Flips and turns

4th week (21st to 26th August) : Pattern in nature, Pattern in numbers- Triangular numbers, Square number

5th Week (28th to 31st August) : Revision

September :- Revision and Half yearly Exam.

Syllabus for October to December (Second Term)

Chapters:

7. Geometry
8. Perimeter, Area, and Volume
9. Measurements
10. Time
11. Money
13. Data Handling

October:

1st week(3rd to 7th October) : Chapter 7- Geometry: Point and line, Angle, Constructing angles with a protractor

2nd week (9th to 14th October) : Types of lines, Polygons, Triangle, Circle

3rd week (16th to 18th October) : Chapter 8 –Perimeter, Area, and Volume: Perimeter of Square and rectangle by using formula, Perimeter of Triangle

4th week (23rd to 28th October) :Area of square and rectangle, Area of triangle, Area of figures not covering whole squares, Volume, Volume of cube and cuboid

November :

1st week(2nd to 4th November) : Chapter -9- Measurements: The metric measures, conversions of metric measures

2nd week(6th to 10th November) :Different units and the decimal system, Operations on metric measures, Average, Temperature

3rd week(13th to 18th November) : Chapter 10- Time: Converting bigger units of time into smaller units, Converting, Smaller units of time into bigger units, The 24 hour clock time

4th week(20th to 25th November) : Addition and subtraction of time, Remembering days by the calendar,

5th week (27th to 30th November) : Addition and Subtraction of days

December:

1st week(1st to 8th December): Chapter 11- Money-Recap Exercise, The unitary method, Profit and loss,

2nd week(11th 16th December) : Calculating cost price, Calculating selling price.

Chapter 13. Data Handling : Collection and handling of data, What is data ?

3rd week (18th to 23rd December): Tally chart, Bar graph, Circle graphs

4th week(26th to 30th December) : Revision

January: Revision

February: Final Exams