WEEKLY DETAILED SYLLABUS

SESSION-2015-16

CLASS-VIII

SUBJECT : MATHS

DATE	CONTENT
01.04.2015 to 04.04.2015	Chapter-1 : Rational Numbers Its properties and representation on a number line. Ex. 1.1, 1.2 with related examples. Chapter-1 : Mental Maths
06.04.2015 to 10.04.2015	Chapter-2 : Linear equations in one variable Introduction, solving equations with variable on one side and its application Ex. 2.1, 2.2 with related examples.
13.04.2015 to 18.04.2015	Chapter-2 : Linear equations in one variable contd…. Solving equations having the variable on both sides and problems related to it. Ex.2.3, 2.4 with related examples.
20.04.2015 to 25.04.2015	Chapter-2 : Linear equations in one variable contd… Reducing equations to simpler and linear form. Ex.2.5, 2.6 with related examples. Chapter-2 Mental Maths
27.04.2015 to 02.05.2015	Chapter-6 : Squares and square roots. Perfect square and interesting pattern, finding square, Pythagorean triplet and square root by factor method. Ex. 6.1, 6.2 with related examples.
04.05.2015 to 08.05.2015	Chapter-6 : Square and square roots contd… Finding square roots of given numbers and decimals by division method and finding square roots by estimation. Ex. 6.3, 6.4 with related examples. Chapter-6 Mental Maths. Actiivty : On number pattern.

11.05.2015 to 30.06.2015	**SUMMER VACATION**
01.07.2015 to 04.07.2015	Chapter-7 : Cubes and cube roots Ex.7.1, 7.2 with related examples Chapter-7 Mental Maths
06.07.2015 to 10.07.2015	Chapter-3 : Understanding quadrilaterals Polygon, Angle sum property and sum of the measure of the exterior angles of a polygon. Ex. 3.1,3.2 with related examples.
09.07.2015	**UNIT TEST-I**
13.07.2015 to 18.7.2015	Chapter-3 : Understanding quadrilaterals contd… Types of quadrilaterals Ex. 3.3, 3.4 with related examples Chapter- Mental Maths Activity : Prove that sum of interior angles of a quadrilateral is 360° (by paper cutting & pasting method)
20.07.2015 to 25.07.2015	Chapter-4 : Practical Geometry Constructing a quadrilateral : (i) When four sides and one diagonal are given (ii) When two diagonals and three sides are given. Ex. 4.1, 4.2 with related examples.
27.07.2015 to 01.08.2015	Chapter-4 : Practical Geometry contd…. Constructing a quadrilateral: (i) When two adjacent sides and three angles are given (ii) When three sides and two included angles are given. Ex. 4.3, 4.4 with related examples.
03.08.2015 to 07.08.2015	Chapter-4 : Practical Geometry Contd… Constructing a quadrilateral: (i) When other special properties are given. Ex. 4.5 with relatged examples. Yuva Session 8.8 improving concentration.

10.08.2015 to 14.08.2015	Chapter-8 : Comparing quantities Ratios and percentages Ex. 8.1, with related examples.
17.08.2015 to 22.08.2015	Chapter-8 : Comparing quantities contd… Discount, profit and loss, sales tax/vat. Ex.8. with related examples.
24.08.2015 to 29.08.2015	Chapter-8 Comparing quantities contd… Compound interest – annually or half yearly Ex.8.3 with related examples. Chapter-8 Mental Maths.
31.08.2015 to 04.09.2015	Chapter-16 Playing with numbers Games with numbers and tests of divisibility Ex. 16.1, 16.2 with related examples. Chapter-16 Mental Maths Yuva session 8.9 : Let us play the game of life.
03.09.2015	**UNIT TEST-II**
07.09.2015 to 11.09.2015	**REVISION CH. 1, 2, 3 & 4**
14.09.2015 to 19.09.2015 & 21.09.2015	**REVISION CH. 6, 7, 8 & 16**
22.09.2015 to 09.10.2015	**SA-1 Examination**
12.10.2015 to 17.10.2015	Discussion of SA-I Question paper Chapter-5 Data handling Frequency distribution table, bar graph and histogram. Ex.5.1 with related examples. Activity : To collect data and represent it at bar graph.

19.10.2015 to 22.10.2015	**AUTUMN BREAK**
23.10.2015 to 31.10.2015	Chapter-5 : Data handling contd… Drawing pie charts, chances and probability. Ex. 5.2, 5.3 with related examples. Chapter-5 Mental Maths Activity : Representation of given data in the form of pie chart.
02.11.2015 to 07.11.2015	Chapter-10 Visualizing solid shapes Views of 3D-shapes, mapping, faces, edges and vertices. Ex.10.1, 10.2 with related examples.
09.11.2015 to 13.11.2015	Chapter-10 : Visualizing solid shapes. Ex.10.3 and related examples. Chapter-10 Mental Maths Activity : To make cubes and cuboids of given dimensions.
16.11.2015 to 21.11.2015	Chapter-9 : Algebraic expression and identities. Terms, factors and coefficients of algebraic expressions. Addition, subtraction and multiplication of algebraic expressions. Ex. 9.1 & Ex.9.2 with related examples.
23.11.2015 to 28.11.2015	Chapter-9 Algebraic expression and identities contd… Multiplying monomial by monomial, monomial by a binomial and binomial by a binomial. Ex. 9.3, 9.4 with related examples. Activity : By paper cutting and pasting method prove the algebraic identity $(a+b)^2 = a^2 + 2ab + b^2$
30.11.2015 to 05.12.2015	Chapter-9 : Algebraic expression and identifies contd… Standard identities and its applications Ex. 9.5 and related examples. Chapter- Mental Maths

03.12.2015	**UNIT TEST-III**
07.12.2015 to 11.12.2015	Chapter-4 Factorization Factorization of algebraic expression by common factors and using identities. Ex. 14.1,14.2 and related examples.
14.12.2015 to 19.12.2015	Chapter-14 Factorization contd… Divisions of algebraic expressions and correct the errors. Ex. 14.3, 14.4 and related examples. Chapter-14 Mental Maths
21.12.2015 to 26.12.2015	Chapter-13 Direct and inverse proportion Direct and inverse proportion Ex. 13.1, 13.2 and related examples. Chapter-13 Mental Maths.
28.12.2015 to 30.12.2015	Chapter-12 Exponents and powers Laws of exponents, general and standard form. Ex. 12.1, 12.2 with related examples. Chapter-12 Mental Maths.
31.12.2015 to 15.01.2016	**WINTER BREAK**
16.01.2016 to 18.01.2016 to 23.01.2016	Checking of Holiday Home Work. Chapter-11 Mensuration Areas and Perimeter of 2-dimensional figures Ex. 11.1, 11.2 with related examples.
21.01.2016	**UNIT TEST-IV**
25.01.2016 to 30.01.2016	Chapter-11 Mensuration contd… Volume and surface areas of solid shapes, volume and capacity of cylinder Ex. 11.3, 11.4 with related examples. Chapter-11 Mental Maths

01.02.2016 to 06.02.2016	Chapter-15 Introduction of graphs. A Line graph, coordinates and some applications Ex. 15.1, 15.2, 15.3 with related examples Chapter-15 Mental Maths
08.02.2016 to 12.02.2016	Yuva session 3.5 meditation and pre-examination stress. Revision Ch. 5, 9, 10 & 14.
15.02.2016 to 18.02.2016	**REVISION CH. 11, 12, 13 & 15**
19.02.2016 to 24.03.2016	**SA-II Examination**
31.03.2016	**RESULT**