

SYLLABUS OF SUBJECT : Mathematics
CLASS VII

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT / PRACTICAL
PT 1 (JULY- AUG)	Chapter 1 – Integers Chapter 2 – Fractions and Decimals Chapter 3 – Data Handling Chapter 4 – Simple Equations	Chapter 1 – Integers Chapter 2 – Fractions and Decimals Chapter 3 – Data Handling	<p>Activity 1 : To represent the following products of decimal numbers on a square by drawing horizontal/ vertical lines and shading</p> <p>i) 0.3×0.7 ii) 0.5×0.5</p> <p>Activity 2 : To compare the marks obtained in all the subjects by a student in the first and second term examination by drawing a bar graph using paper cutting and pasting.</p> <p>Activity 3 : (a) Identify the conditions under which given pair of angles are complimentary. (b) Identify the conditions under which given pair of angles are supplementary.</p>
HALF YEARLY (SEP)	Chapter 5 – Lines and Angles Chapter 7 – Congruence of Triangles Chapter 8 – Comparing Quantities Chapter 9 – Rational Numbers Chapter 10 – Practical Geometry	Chapter 1 – Integers Chapter 2 – Fractions and Decimals Chapter 3 – Data Handling Chapter 4 – Simple Equations Chapter 5 – Lines and Angles Chapter 7 – Congruence of Triangles Chapter 9 – Rational Numbers Chapter 10 – Practical Geometry	<p>Activity 4 : To verify that if two lines intersect at a point, then each pair of vertically opposite angles are equal by paper cutting and pasting.</p> <p>Activity 5 : To verify that if two parallel lines are cut by a transversal, then</p> <p>i) each pair of corresponding angles are equal ii) each pair of alternate interior angles are equal</p>
PT 2 (OCT- NOV)	Chapter 11 - Perimeter and Area Chapter 12 – Algebraic Expressions Chapter 15 - Visualising Solid Shapes	Chapter 11 - Perimeter and Area Chapter 12 – Algebraic Expressions Chapter 15 - Visualising Solid Shapes	<p>Activity 6 : (a) To get a median of a triangle from any vertex, by paper folding. To verify that in a triangle, medians pass through a common point, by paper folding. (b) To get an altitude of a triangle from any vertex, by paper folding. To verify that in a triangle altitudes pass through a common point, by paper folding.</p> <p>Activity 7 : To verify that the sum of all interior angles of a triangle is 180° by paper cutting and pasting.</p> <p>Activity 8 : To verify that a triangle can be drawn only if the sum of lengths of any two sides is greater than the third side.</p>

			<p>Set 1: 5 cm, 7 cm, 11 cm</p> <p>Set 2: 5 cm, 7 cm, 14 cm</p>
<p>ANNUAL (FEB)</p>	<p>Chapter 6 – The Triangle and its Properties</p> <p>Chapter 13 – Exponents and Powers</p> <p>Chapter 14 - Symmetry</p>	<p>Chapter 6 – The Triangle and its Properties</p> <p>Chapter 8 – Comparing Quantities</p> <p>Chapter 11 - Perimeter and Area</p> <p>Chapter 12 – Algebraic Expressions</p> <p>Chapter 13 – Exponents and Powers</p> <p>Chapter 14 - Symmetry</p> <p>Chapter 15 - Visualising Solid Shapes</p>	<p>Activity 9 : To verify Pythagoras theorem using a squared paper by shading the squares.</p> <p>Activity 10 : To draw a cuboid of dimension 7 cm, 4cm and 2 cm on an isometric dot paper. Also draw its oblique sketch.</p>