

CLASS – 6<sup>TH</sup>      CHAPTER : BASIC GEOMETRICAL CONCEPTS

<b>CLASSES REQUIRED</b>	24
<b>TOPIC</b>	<ul style="list-style-type: none"> <li>➤ Introduction: 1 day</li> <li>➤ Comparison of geometrical figures :2 days</li> <li>➤ Exercise 11.1: 3days</li> <li>➤ Angle and its types: 1 day</li> <li>➤ About triangles :1day</li> <li>➤ Exercise 11.2: 2 days</li> <li>➤ Quadrilateral and its properties :2days</li> <li>➤ Exercise 11.3 ;2days</li> <li>➤ Circle and circumference:2 days</li> <li>➤ Segment of circle:1 day</li> <li>➤ Exercise 11.4:2 days</li> <li>➤ Revision exercise :3 days</li> <li>➤ Evaluating learning outcome:2 days</li> </ul>
<b>CONCEPT &amp; SKILLS</b>	<ul style="list-style-type: none"> <li>➤ Basic elements of geometrical figures</li> <li>➤ Open and closed figures</li> <li>➤ Polygon and collinear points</li> <li>➤ Comparison between line ,line segment and ray</li> <li>➤ Angle and its magnitude</li> <li>➤ Interior and exterior of a triangle</li> <li>➤ Property of a quadrilateral</li> <li>➤ Representing different geometrical figures</li> </ul>
<b>LEARNING OUTCOMES</b>	<ul style="list-style-type: none"> <li>➤ Students will recognise the importance of geometrical figures in day to day life</li> <li>➤ They will be able to differentiate different geometrical figures</li> <li>➤ They will be able to measure different angles</li> <li>➤ They will be able to find the different things of a circle like circumference ,radius ,diameter etc</li> <li>➤ They can compare different geometrical figures</li> </ul>
<b>INSTRUCTIONAL TOOLS &amp; REFERENCES</b>	<ul style="list-style-type: none"> <li>➤ Text book</li> <li>➤ Class room objects</li> <li>➤ Lab activity (making protractor using paper-folding method)</li> </ul>
<b>PEDAGOGY</b>	<ul style="list-style-type: none"> <li>➤ Examples from class room</li> <li>➤ Group discussion with students about different geometrical figures</li> <li>➤ Making different geometrical figures using paper sheet</li> <li>➤ Examples from real life situations</li> <li>➤ Applications of various geometrical figures</li> </ul>
<b>ACTIVITY / ASSIGNMENT / RESEARCH</b>	<ul style="list-style-type: none"> <li>➤ Class assignment based on questions from text book</li> <li>➤ Home assignments based on revision exercise</li> <li>➤ Lab activity</li> </ul>
<b>ASSESSMENT</b>	Short class tests based on individual text exercises
<b>SYLLABUS FOR</b>	<ul style="list-style-type: none"> <li>➤ Oral test</li> <li>➤ Class work assignments</li> </ul>



<b>FORMATIVE &amp; SUMMATIVE ASSESSMENT</b>	<ul style="list-style-type: none"> <li>➤ Lab activity</li> <li>➤ P.P.T</li> <li>➤ M.C.Q</li> </ul>
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**CHAPTER : understanding elementary shapes**

<b>CLASSES REQUIRED</b>	12
<b>TOPIC</b>	<ul style="list-style-type: none"> <li>➤ Introduction: 3 days</li> <li>➤ Exercise 12.1: 2days</li> <li>➤ Classification of triangles:1 day</li> <li>➤ Exercise 12.2: 2days</li> <li>➤ Revision exercise :2days</li> <li>➤ Evaluating learning outcome :2 days</li> </ul>
<b>CONCEPT &amp; SKILLS</b>	<ul style="list-style-type: none"> <li>➤ Measurement of line segment</li> <li>➤ Comparison of line segments by observation and divider</li> <li>➤ Pairs of lines</li> <li>➤ Comparison and types of angles</li> <li>➤ Classification of triangles</li> </ul>
<b>LEARNING OUTCOMES</b>	<ul style="list-style-type: none"> <li>➤ Students will recognise the importance of geometrical figures in day to day life</li> <li>➤ They will be able to measure different angles</li> <li>➤ They can compare different geometrical figures</li> <li>➤ They can measure different angles of a triangle</li> </ul>
<b>INSTRUCTIONAL TOOLS &amp; REFERENCES</b>	<ul style="list-style-type: none"> <li>➤ Text book</li> <li>➤ Class room objects</li> </ul>
<b>PEDAGOGY</b>	<ul style="list-style-type: none"> <li>➤ Examples from class room</li> <li>➤ Group discussion with students about different angles and triangles</li> <li>➤ Examples from real life situations</li> </ul>
<b>ACTIVITY / ASSIGNMENT / RESEARCH</b>	<ul style="list-style-type: none"> <li>➤ Class assignment based on questions from text book</li> <li>➤ Home assignments based on revision exercise</li> <li>➤ Work sheet based on entire chapter</li> </ul>
<b>ASSESSMENT</b>	Short class tests based on individual text exercises
<b>SYLLABUS FOR FORMATIVE &amp; SUMMATIVE ASSESSMENT</b>	<ul style="list-style-type: none"> <li>➤ Oral test</li> <li>➤ Class work assignments</li> <li>➤ Home assignment</li> <li>➤ P.P.T</li> <li>➤ M.C.Q</li> </ul>