Class：IX
Session：2024－25

| Month | APRIL | MAY | JUNE | JULY |
| :--- | :--- | :--- | :--- | :--- |
| Concepts | Ch．1 Number Systems <br> Ch．2 Polynomials | Ch．3 Coordinate Geometry <br> Ch．4 LinearEquations in two <br> variables | Ch．5 Introduction <br> To Euclid＇s Geometry <br> Ch． 6 Lines and Angels | Ch．7 Triangles |

Session: 2024-25

| Month | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Concepts | Ch. 12 Heron's Formula | Ch. 8 Quadrilaterals | Ch. 10 Circles | Ch. 13 Surface area and Volume | Ch. 14 Statistics |
| Learning Outcomes | Students will be able to <br> - Identify and apply heron's formula in finding areas of polygon. <br> - Calculate area of a triangle by Heron's Formula. | Students will be able to <br> - Recognize the properties of parallelograms. <br> - Apply midpoint theorem. | Students will be able to <br> - Describe circles and its Related Terms. <br> - Demonstrate angles Subtended by a Chord and an Arc and perpendicular from the centre to a Chord. <br> - Describe a cyclic Quadrilateral. | Students will be able to <br> - Describe surface Area of a right circular cone, sphere and hemisphere. <br> - Formulate volume of a right circular cone, sphere and hemisphere. | Students will be able to <br> - Represent data graphically. <br> - Recapitulate all the concepts. |
| Skills | Knowledge/ Understanding/ Application/ Critical Thinking/ Analysis/ Synthesis | Knowledge/ Understanding/ Application/ Critical Thinking/ Problem Solving | Knowledge/Understanding/ Application/Analysis/Synthesis | Knowledge/Understanding/ <br> Application/Analysis/ Synthesis | Knowledge/ <br> Understanding/ <br> Application/Problem Solving |
| Activities | Competency-skill based activity/Experiential Learning: To find area of a triangle by Heron's Formula. | Competency-skill based activity/Experiential Learning: Midpoint theorem (By paper cutting and pasting). | Competency-skill based activity/Experiential Learning: Angle subtended by an arc of a circle at the center is double the angle subtended by it at any point on the remaining part of the circle using. | Competency-skill based activity/Experiential Learning: <br> To form a cone from a sector of a circle and to find the formula for its curved surface area. | Competency-skill based activity/Experiential Learning: <br> To draw histograms for classes of equal widths by collecting data from day to day life such as heights of students. |
| Art <br> Integration | Art, English | Art | Art, English, Geography | Art, English, Physics | Art, English, Physics |
| Assessments | - Periodic Tests <br> - Multiple Assessments <br> - Portfolio <br> - Student Enrichment Activities - practical work <br> Main Book: NCERT |  |  |  |  |

