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| **UNIT 1** |  |
| **Chapter 1** |  |
| 1-2 | Points, Lines, & Planes |
| 1-3 | Measuring Segments |
| 1-4 | Measuring Angles |
| 1-5 | Angle Pairs |
| 1-6 | Basic Constructions |
|  |
| **UNIT 6** |  |
| **Chapter 9** | (basics only) |
| 9-1 | Translations |
| 9-2 | Reflections |
| 9-3 | Rotations  |
| 9-6 | Dilations |
| Concept Byte 9-3 | Symmetry |
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| **UNIT 2** |  |
| **Chapter 2** |  |
| 2-2 | Conditional Statements |
| 2-3 | Biconditionals & Definitions |
| 2-5 | Proof Intro (Properties of =/$≅$ & Algebraic Proofs) |
| 2-6 | Proving Angles Congruent |
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| **Chapter 3** |  |
| 3-1 | Lines and Angles |
| Concept Byte3-2 | Pg. 147 - Use geometry software to construct parallel lines and angle pairs |
| 3-2 | Properties of Parallel Lines |
| 3-3 | Proving Lines Parallel |
| 3-4 | Parallel & Perpendicular Lines |
| 3-5 | Parallel Lines & Triangles |
| 3-6 | Constructing Parallel & Perpendicular Lines |
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| **Chapter 4** |  |
| 4-1 | Define Congruent Figures |
| 4-2 | Triangle Congruence by SSS & SAS |
| 4-3 | Triangle Congruence by ASA & AAS |
| 4-6 | Congruence in Right Triangles |
| 4-4 | Using Corresponding Parts of Congruent Triangles |
| Concept Byte4-5 | Pg. 249 – Use paper folding to construct and explore isosceles triangles and properties |
| 4-5 | Isosceles & Equilateral Triangles |
| 4-7 | Congruence in Overlapping Triangles |
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| **Chapter 5** |  |
| 5-1 | Midsegments of Triangles |
| 5-2 | Perpendicular & Angle Bisectors |
| 5-3 | Bisectors in Triangles |
| 5-4 | Medians & Altitudes |
| 5-5  | Indirect proofs  |
| 5-6 | Inequalities in One Triangle |
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| **Chapter 6** |  |
| 6-1 | The Polygon-Angle Sum Theorems  |
| 6-2 | Properties of Parallelograms |
| 6-3 | Proving that a Quadrilateral Is a Parallelogram |
| 6-4 | Properties of Rhombuses, Rectangles, & Squares |
| 6-5 | Conditions for Rhombuses, Rectangles, & Squares |
| 6-6 | Trapezoids & Kites |
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| **MIDTERM EXAM** |
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| **UNIT 3** |  |
| 1-7 | Midpoint/Distance in Coordinate Plane |
| 3-7 | Equations of Lines in Coordinate Plane |
| 3-8 | Slopes of Parallel & Perpendicular Lines |
| 6-7 | Polygons in Coordinate Plane |
| 6-8 | Applying Coordinate Geometry |
| 6-9 | Proofs Using Coordinate Geometry |
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| **UNIT 4** |  |
| **Chapter 7** |  |
| 7-1 | Ratios and Proportions |
| 7-2 | Similar Polygons |
| 7-3 | Proving Triangles Similar |
| 7-4 | Similarity in Right Triangles |
| Concept Byte7-5 | Pg. 470 – Use geometry software |
| 7-5 | Proportions in Triangles |
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| **UNIT 5** |  |
| **Chapter 8** |  |
| 8-1 | The Pythagorean Theorem and Its Converse |
| 8-2 | Special Right Triangles |
| Concept Byte8-3 | Pg. 506 – Use geometry software to explore trig. Ratios |
| 8-3 | Trigonometry |
| Concept Byte8-4 | Pg. 515 – Use an inclinometer with trig. Ratios to make indirect measurements |
| 8-4 | Angles of Elevation and Depression |
| 8-5 | Law of Sines |
| 8-6 | Law of Cosines |
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| **Chapter 10** |  |
| 10-1 | Areas of Parallelograms and Triangles |
| 10-2 | Area of Trapezoids, Rhombuses, and Kites |
| 10-3 | Areas of Regular Polygons |
| 10-4 | Perimeters and Area of Similar Figures  |
| 10-5 | Trigonometry and Area |
| 10-6/10-7 | Circle Circumference & Area |
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| **UNIT 8** |  |
| **Chapter 11** |  |
| 1-1 | Visualizing Geometry (Nets) |
| 11-1 | Space Figures and Cross Sections |
| 11-2 | Surface Area of Prisms and Cylinders |
| 11-3 | Surface Area of Pyramids and cones |
| 11-4 | Volume of Prisms and Cylinders |
| 11-5 | Volume of Pyramids and cones |
| 11-6 | Surface Area and Volume of Spheres |
| 11-7 | Areas and Volumes of Similar Solids |
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| **UNIT 7** |  |
| 10-6 | Circles and Arcs |
| Concept Byte10-6 | Pg. 658 – Use circle graphs to represent and interpret data |
| Concept Byte 10-7 | Pg. 659 – Derive the formula for area of a circle |
| 10-7 | Areas of Circles and Sectors |
| **Chapter 12** |  |
| 12-1 | Tangent Lines |
| 12-2 | Chords and Arcs |
| 12-3 | Inscribed Angles |
| 12-4(+) | Angle Measures and Segment lengths |
| 12-5 | Circles in the Coordinate Plane |
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| **FINAL EXAM** |