| ***TIME:*** *When and for how long will the content be taught* | ***Standard:***  *List the exact standard as adopted or our locally adopted skill* | ***Topic:***  *Brief explanation of what you will be doing to teach this standard* | ***Assessments:*** *How and when students will be assessed* |
| --- | --- | --- | --- |
| **August:**  Geometry Basics   * Points, Lines, Planes * Segment Addition * Distance Formula * Midpoint Formula * Angles * Angle Addition * Angle Relationships   + Vertical   + Adjacent   + Complementary   + Supplementary   + Linear pair | **Standards:**  G.PL.1  G.PL.2  G.PL.3  G.PL.4 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **September:**  Quadrilaterals & Polygons   * Interior Angles * Exterior Angles * Parallelograms * Rectangles * Rhombuses * Squares * Trapezoids * Kites   **September (cont.):**  Circles   * Equation of Circles   + Center   + Radius   + Diameter   + General form   + Standard form * Graph Circles | **Standards:**  G.QP.1  G.QP.2  G.QP.3  **Standards:**  G.CI.1  G.CI.5 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions**   **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions   **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **October:**  Right Triangles & Trigonometry   * Pythagorean Theorem * Special Right Triangles * Similar Right Triangles * Geometry Mean * Trig Ratios * Solve Right Triangles * Angle of Elevation and Depression | **Standards:**  G.T.1  G.T.7  G.T.8  G.T.9  G.T.10  G.T.11 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **November:**  Relationships in Triangles   * Midsegments * Perpendicular Bisectors * Angle Bisectors * Centers of Triangles   + Circumcenters   + Incenters * Medians * Altitudes * Centroids * Orthocenters * Triangle Inequalities | **Standards:**  G.T.1  G.T.3  G.T.4  G.T.6 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **December:**  Transformations   * Translations * Reflections * Rotations * Dilations * Sequences of Transformations * Symmetry | **Standards:**  G.T.1  G.T.2  G.T.4  G.T.5  G.T.9  G.T.11 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **January:**  Circles   * Area * Circumference * Chords * Arcs * Inscribed Angles * Tangents * Angles formed by Chords, Secants, and Tangents * Segments Lengths formed by Chords, Secants, and Tangents * Equations of Circles | **Standards:**  G.CI.1  G.CI.2  G.CI.3  G.CI.4  G.CI.5  G.CI.6  G.CI.7 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **February:**  Parallel & Perpendicular Lines   * Transversals * Angles and Transversals * Proving Lines Parallel   Logic and Proof   * Inductive Reasoning * Conjectures * Counterexamples * Compound Statements * Truth Tables * Conditional Statements * Bi-Conditionals | **Standards:**  G.PL.1  G.PL.2  G.PL.3  G.PL.4  G.PL.5  G.LP.1  G.LP.2  G.LP.3  G.LP.4 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **March:**  Congruent Triangles   * Classifying Triangles * Angles of Triangles * Isosceles Triangles * Equilateral Triangles * Triangle Congruence * Triangle Proofs * Side-Side-Side * Side-Angle-Side * Angle-Side-Angle * Angle-Angle-Side * Hypotenuse-Leg * Law of Sines & Cosines | **Standards:**  G.T.1  G.T.2  G.T.4  G.T.5 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **April:**  Similar Triangles   * Ratios and Proportions * Proofs   + Side-Side-Side   + Side-Angle-Side   + Angle-Angle * Parallel Lines and Proportional Parts * Parts of Similar Triangles   Probability   * Perm’s & Comb’s | **Standards:**  G.TR.1  G.TR.2 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |
| **May:**  Volume and Surface Area   * Area of Plane Figures   + Triangles   + Parallelograms   + Rectangles   + Squares   + Trapezoids   + Circles * Sectors * Composite Figures * Prisms * Cylinders * Pyramids * Cones * Spheres * Similar Solids   Exterior Angle Theorem | **Standards:**  G.TS.1  G.TS.2  G.TS.3  G.TS.4  G.TS.5  G.TS.6  G.TS.7  G.TS.8  G.TS.9 | **Teaching Methods:**   * **20-25 minute lessons**   + **Lecture**   + **Board Work**   + **Desk Work**   + **Group Disc.** * **5-10 minutes HW review** * **Kahoot Quizzes** * **IXL demonstrations** * **IXL group sessions** | **Assessments:**   * HW quizzes * Daily HW (IXL, WS’s) * Unit test/quiz * Kahoot quiz * Informal questions |