| ***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.1G.PL.2G.PL.3G.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.1G.QP.2G.QP.3**Standards:**G.CI.1G.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
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**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.1G.T.7G.T.8G.T.9G.T.10G.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.1G.T.3G.T.4G.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.1G.T.2G.T.4G.T.5G.T.9G.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.1G.CI.2G.CI.3G.CI.4G.CI.5G.CI.6G.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.1G.PL.2G.PL.3G.PL.4G.PL.5G.LP.1G.LP.2G.LP.3G.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.1G.T.2G.T.4G.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.1G.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.1G.TS.2G.TS.3G.TS.4G.TS.5G.TS.6G.TS.7G.TS.8G.TS.9 | **Teaching Methods:*** **20-25 minute lessons**
	+ **Lecture**
	+ **Board Work**
	+ **Desk Work**
	+ **Group Disc.**
* **5-10 minutes HW review**
* **Kahoot Quizzes**
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* **IXL group sessions**
 | **Assessments:** * HW quizzes
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