

Year At A Glance

Geometry

1 st Six Weeks	2 nd Six Weeks	3 rd Six Weeks
<ul style="list-style-type: none"> ➤ BASIC GEOMETRY INTRODUCTION ➤ Algebra Review ➤ Basic Definitions ➤ Historical Development – Research Project ➤ Facts including 1.4, 4.2 and 4.8 (Holt Book) (no transformations) ➤ Construction 1.2, 1.3, ➤ 3.3 Lab, 3.4 Lab, 6.1 Lab ➤ 10.1, Nets 10.3 and 10.3 Lab ➤ Inductive Reasoning 2.1 ➤ Conditional Statements 2.2 ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ 2.3 Deductive Reasoning ➤ (Law of Detachment) (Law of Syllogism) Project ➤ Biconditional Statements 2.4 ➤ Begin Proofs 2.5, 2.6, 2.7 Review ➤ Assessment (Reasoning, Proofs) ➤ Isometric and Orthographic (only) drawing 10.2 ➤ Formulas in 3D 10.3, 10.3 Lab ➤ Numeric and Geometric patterns (make own lessons) ➤ Patterns (over 6.1) ➤ Parallel Lines, Equations of Lines, 3.5 ➤ Parallel Lines, Equations of Lines 3.6 ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ Distance/Midpoint 1.6 ➤ Pythagorean Theorem 5.7 ➤ Area of Polygons 1.5, 9.1, 9.2 (For regular polygons give apothem and a side to practice with formula. Bring back in with special rights for calculations.), 9.3, 9.4, 9.5 ➤ Circle 11.2, 11.3 ➤ Surface Area, Volume, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8 ➤ Geo Probability 9.6 ➤ Assessment/Project ➤ Problem Solving
➤ 4 th Six Weeks	5 th Six Weeks	➤ 6 th Six Weeks
<ul style="list-style-type: none"> ➤ Parallel with transversal 3.2, 3.3, 3.4 ➤ Ratio, Proportions, Similar Triangles 7.1, 7.2 ➤ Dilation/reflection/translation, ➤ Rotation, Compositions ➤ Symmetry/ Tessellations ➤ Dilation ➤ Tessellation Project ➤ Basic Circles ➤ Circles ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ Circles 11.6, 11.7 ➤ Parallelograms 6.2, 6.3, 6.4, 6.5 ➤ Kites/Trapezoid 6.6, ➤ Congruent Triangles 4.2, 4.3 ➤ Triangles 4.4, 4.5, 4.6 ➤ Triangle parts 5.1, 5.2, 5.3, (patty paper) ➤ Triangles 5.4, 5.6 ➤ Special Rights 5.8 ➤ Trigonometry 8.2, 8.3, 8.4 ➤ Problem Solving 	<ul style="list-style-type: none"> ➤ Identifying functions: Linear, Absolute value, Quadratic ➤ Writing Equations of Lines ➤ Parent Functions: Linear, Absolute value, Quadratic ➤ Transformations: Linear, Absolute value, Quadratic ➤ Graphing Lines ➤ Inverse Functions ➤ Domain and Range ➤ Functions: Table, mapping diagram, equation, graph ➤ Interpreting graphs: Scatter Plots ➤ Linear Inequality: Graphs ➤ Problem Solving