**Year at a Glance for Geometry 2022-2023**

**\*Subject to change and/or adjustment at any time\***

|  |  |
| --- | --- |
| **1st  Semester** | **2nd  Semester** |
| *1st Nine Weeks* | *3rd Nine Weeks* |
| **Topic 1:**  **Tools of Geometry**  G.1A, G.2A, G.6A, G.5B, G.4D | **Topic 11:**  **Circle Measurement**  G.10B, G.12B, G.12D, G.9B, G.11B, G.12C, G.12E |
| **Topic 3:**  **Parallel and Perpendicular Lines**  G.6A, G.5A, G.5C, G.6D, G.5B, G.2B, G.2C, G.4D | **Topic 12:**  **Theorems about Circles**  G.6A, G.9B, G.12A, G.5A, G.5C, G.6D |
| **Topic 9:**  **Similarity**  G.7B,G.3A, G.3B, G.3C, G.5C, G.7A, G.7B, G.8A, G.8B, G.5A | **Topic 6**/7**:**  **Polygons and Quadrilaterals**  (Coordinate Plane)  G.2B, G.12E, G.5A, G.6E, G.6D |
| **Topic 4:**  **Congruent Triangles**  G.6C, G.5A, G.5C, G.6B, G.6D | **Topic 13:**  **Area**  G.11A, G.11B, G.6D, G.9B, G.10B, G.9A |
| *2nd Nine Weeks* | *4th Nine Weeks* |
| **Topic 5:**  **Relationships within Triangles**  G.6D, G.5C, G.6A, G.5A, G.5D | **Topic 14:**  **Surface Area and Volume**  G.10A, G.10B, G.11C, G.9B, G.11D |
| **Topic 10:**  **Right Triangles and Trigonometry**  G6.D, G9.B, G9.A, G.11A | **Topic 8:**  **Transformational Geometry**  G.3A, G.3C, G.6C, G.3D, G.3B |
| **Topics:** 3,5,10  **Slope of Parallel and Perpendicular lines/ Midpoint/ Distance/ Pythagorean Theorem**  G.2A, G.2B, G6.D, G9.B, G.2C | **Topic 15:**  **Probability**  G.13C, G.13B, G.13A, G.13E, G.13D |
| **Topic 2:**  **Reasoning and Proof**  G.4C, G.5A, G.4B, G.4A, G.6A | **\*Algebra Review as needed\*** |

(Texas Essential Knowledge and Skills - 2012)