**Course: Geometry C**

**Teacher: Mrs. DiMarzio**

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**Course Description**

In this class, we will be covering information from chapters 9 - 12, in *Geometry* *Common Core* by Pearson.

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| **Chapter** | **Section** |
| Ch. 9 Transformations | 9.1 Translations |
|  | 9.2 Reflections |
|  | 9.3 Rotations |
|  | 9.4 Compositions of Isometries |
|  | 9.5 Congruence Transformations |
|  | 9.6 Dilations |
|  | 9.7 Similarity Transformations |
| Ch. 10 Area | 10.1 Areas of Parallelograms and Triangles |
|  | 10.2 Areas of Trapezoids, Rhombuses, and Kites |
|  | 10.3 Areas of Regular Polygons  |
|  | 10.4 Perimeters and Areas of Similar Figures |
|  | 10.5 Trigonometry and Area |
|  | 10.6 Circles and Arcs |
|  | 10.7 Areas of Circles and Sectors |
| Ch. 11 Surface Area and Volume | 11.1 Space Figures and Cross Sections |
|  | 11.2 Surface Areas of Prisms and Cylinders |
|  | 11.3 Surface Areas of Pyramids and Cones |
|  | 11.4 Volumes of Prisms and Cylinders |
|  | 11.5 Volumes of Pyramids and Cones |
|  | 11.6 Surface Areas and Volumes of Spheres |
|  | 11.7 Areas and Volumes of Similar Solids |
| Ch. 12 Circles | 12.1 Tangent Lines |
|  | 12.2 Chords and Arcs |
|  | 12.3 Inscribed Angles |

**Class Supplies:**

**\*\*You MUST have either 2 spiral notebooks for the course (1 for notes, 1 for homework) OR a 2-3 subject notebook.**