**Geometry**

**Title:** Geometry – Course Overview  
**Duration:** 3 Months

**Course Description:**   
This course focuses on spatial reasoning, geometric relationships, and logical proof, enhancing critical thinking and precision.

**Topics Covered:**

* Basic geometric shapes and terminology
* Angle relationships and triangle properties
* Properties of circles and polygons
* Theorems: Pythagoras, congruence, similarity
* Perimeter, area, and volume calculations
* Coordinate geometry: points, lines, slopes, and distance
* Constructions using compass and ruler
* Real-life applications in design and architecture

**Learning Outcomes:**

* Understand geometric properties and apply them in problem-solving
* Interpret and create geometric diagrams and blueprints
* Strengthen reasoning and visualization skills