Chapter 2: Reasoning and Proof

Content Area: **Math**
Course(s):   **Geometry CP, Geometry A, Geometry H**
Time Period: **Marking Period 1**
Length: **9 Days**
Status: **Published**

Unit Introduction

Standards

MA.G-CO.C.9   Prove theorems about lines and angles.

Essential Questions

- How can you make a conjecture and prove that it is true?

Content

- 2.1,2.4 Patterns and Reasoning
- 2.2 Conditional Statements
- 2.3 Biconditional Statements and Defintions
- 2.5 Reasoning in Algebra and Geometry
- 2.6 Proving Angles Congruent

Skills

- Connect algebraic and geometric reasoning
- Identify the components of deductive reasoning.
- Prove geometric theorems.
- Recognize and write conditional statements and their variations.
- Recognize and write good definitions.
- Use inductive and deductive reasoning to make conjectures.
- Use logical reasoning for two column proof
- Use relevant vocabulary, symbols and notation.