



Unit 2 Map: Transformations

Class: Geometry

Teacher: Mrs. Babbitt

Class Website: ababbitt.weebly.com

Email: ababbitt@uagreencareers.org

What is this Unit about?

A. Experiment with the transformations in the plane. B. Understand congruence in terms of rigid motions. C. Prove geometric theorems.

Calendar	Day 1	Day 2	Day 3
Week 1 Oct. 1 - 5	Unit 1 Post-Test		
Week 2 Oct. 8 - 12		Unit 1 Project Revisions Due	
Week 3 Oct. 15 - 19	Unit 1 Post-Test Revisions Due		
Week 4 Oct. 22 - 26			
Week 5 Oct. 29 - Nov. 2	CBM #2	Unit 2 Project Due	Unit 2 Post-Test

What standards are in this unit?

G.CO.B.6 Use geometric descriptions of rigid motions to transform figures and to predict the effect of a given rigid motion on a given figure; given two figures, use the definition of congruence in terms of rigid motions to decide if they are congruent.

G.CO.B.7 Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.

G.CO.B.8 Explain how the criteria for triangle congruence (ASA, SAS, and SSS) follow from the definition of congruence in terms of rigid motions.

Tasks

End of Unit “Project”

- Choose one or more unit standards to apply to a real world example.
- Discuss why the math relates to the real world example and why that matters.
- Demonstrate mastery of outcomes listed on the Math Rubric in your exploration of the standard(s).
- Use the pre- and post-test questions as a template for the type of questions you could base your “project” on.
- Implement feedback to revise and improve.
- Example project: “How can we use polynomials to determine how much fencing to order to rodent proof the UAGC garden?”
- Examples of genres: Poster, Powerpoint, Brochure, Instagram Page, Website, Drawing, Song, Essay, Podcast, Video, Infographic, Proof, etc...

Pre-Unit Test

- Work collaboratively with your responsibility team.
- Think about how the questions relate to the standards, how you could relate these questions to a real-world application, the genre of these questions, and how you could show your learning of these questions.

Post-Unit Test

- Work collaboratively for 30 minutes. Test will be discarded at the end of 30 minutes.
- Take the test individually

CBM #2

- You will be given a prompt and 7 minutes to write as many words as you can.
- You will be graded on the growth of your word count!