

# 5.3 LEARNING GOAL PROGRESSION

Use the template to show how a learning goal in your grade/course is linked to the knowledge and/or learning goals of upcoming grade(s)/course(s).

## NEW LEARNING GOAL

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Parallel Lines and Transversals/Angle Relationships

Identifying the relationships between various angle types across parallel lines with transversals:

- Vertical angles
- Corresponding angles
- Adjacent angles
- Alternate interior and exterior angles
- Complementary and supplementary angles

Also: Triangle Sum Theorem

## FUTURE KNOWLEDGE & UNDERSTANDING

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Similarity and Congruence

Students discover and have to apply their understanding of angle relationships across parallel lines in determining triangle similarity and congruence (postulates). Using similarity and proportions to solve for missing variables in simple equations.

## FUTURE KNOWLEDGE & UNDERSTANDING

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Transformations

Verifying experimentally the properties of rotations, reflections, and translations. Working with similarity and congruence to construct similar or congruent figures. Establishing angle sum and exterior angles of polygons given prior knowledge of parallel lines cut by transversals.

