

# 5.2 LEARNING GOAL PROGRESSION

Use the template to show how a learning goal in your grade/course is linked to the prior knowledge and/or learning goals of a previous grade/course.

## PRIOR KNOWLEDGE REQUIRED

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Area of a square

Students need to activate prior knowledge on how to find the area of a square.

## PRIOR KNOWLEDGE REQUIRED

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Area of a Rectangle

Knowing how to find the area of a square/ a rectangle can help students understand how the lengths (width and length) of the rectangle affects the area of the rectangle.

## PRIOR KNOWLEDGE REQUIRED

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Area of a triangle

The area formula for a triangle can be developed from the area formula for a rectangle/ square.

## PRIOR KNOWLEDGE REQUIRED

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Types of triangles or squares & square roots

The Pythagorean theorem works with right angle triangles and this is the important type of triangle that needs to be addressed. Noticing square roots and square numbers can help students evaluate lengths of the triangle.

## NEW LEARNING GOAL

TOPIC / CONCEPT / BIG IDEA / STANDARD / EXPECTATION

Pythagorean Theorem

Understanding how the lengths of a right triangle are related to areas of squares and estimating the square roots of the squares can help students see the pythagorean relationship.

