Perimeter and Area of Polygons Logic Model

Title of the Module: Perimeter and Area of Polygons

Intended learners/audience: Female trades pre-apprenticeship students

Intended roles(s) learners are preparing for: Entry level construction trades worker or apprentice

Prerequisites: none

Revision date: 10/28/15

Oregon Tradeswomen, Inc.

Knowledge, Skills, & Attitudes →	Performance Tasks →	Objectives →	Intended Outcomes
If learners begin the training with the prerequisites and learn this content …	…and *demonstrate* their learning in these ways…	…we can be confident that they will be able to do these things ***by the end of the training***…	…which will prepare them to do these things ***after the training…***
Concepts • Polygon • Perimeter • Area • Square foot • Square inch **Principles** • Perimeter = sum of the lengths of all sides • Area of squares and rectangles = w x h • Area of triangles = (b x h)/2 • Relaxing before doing math can reduce math anxiety	• Calculate the perimeter of a variety of polygons • Calculate the area of rectangles, squares, and triangles	A. Identify polygons that are common in construction B. Calculate the perimeter of polygons that are common in construction C. Calculate the area of polygons that are common in construction	1. Calculate the amount of material needed to successfully complete construction projects

Attitudes • Grit • Growth mindset • Belief in the ability to reduce math anxiety			
Knowledge, Skills, & Attitudes	**Performance Tasks**	**Objectives**	**Intended Outcomes**