

Lesson Title: Perimeter and Area
Unit: Math Spreadsheets
Grade Level: 6 th Grade
Estimated time requirement: 1 class period
Summary (25-50 words): Students will create a spreadsheet that will calculate the perimeter and area of given parallelograms.
Objectives:
<ul style="list-style-type: none"> • Use a spreadsheet to calculate the perimeter and area of parallelograms.
Texas Essential Knowledge and Skills:
4B, 8B, 12A
Assessment:
<ul style="list-style-type: none"> • Completion of spreadsheet and student hand-out.
Materials:
<ul style="list-style-type: none"> • Student hand-out • Computer with spreadsheet program
Resources:
<ul style="list-style-type: none"> • <u>Glencoe Mathematics Applications and Connections</u>, McGraw-Hill Companies, Inc.
Prior Knowledge/Skills:
Procedures: Students will set the formulas on a spreadsheet to calculate the perimeter and area of parallelograms when given different dimensions of the parallelogram. Students will then input the length and width of each parallelogram and determine the area and perimeter of each parallelogram. The student hand-out explains how to set up the spreadsheet for this activity.
Modifications:
<ul style="list-style-type: none"> • Students can work with a partner if necessary to complete the activity.
Technology Infusion:
<ul style="list-style-type: none"> • Use a spreadsheet program such as EXCEL to find the perimeter and area of parallelograms.
Cultural Connections:
Family Connection:
Teacher: Leigh Ann Greeson , Stamford Middle School, Stamford, Texas