Lesson: Plotting Amish Farmland  
Length: 30-45 Minutes

Lesson adapted from:  
http://www.mcps.k12.md.us/curriculum/socialstd/grade2/Amish_Grid2.html

Grade Intended: Second Grade  
Academic Standards: Math  
2.1.12 Represent, compare, and interpret data using tables, tally charts and bar graphs.

Performance Objective:  
2.1.12 Students will plot and color in a grid containing items on a map that have been predetermined with 80% accuracy and will answer provided questions about their maps with 85% accuracy.

Advance Preparation by Teacher:  
Copies of map grid, instruction sheet and questions  
Down Buttermilk Lane by Barbara Mitchell with illustrations by John Sandford

Procedure:  
Introduction:  
Read the book Down Buttermilk Lane by Barbara Mitchell with illustrations by John Sandford.

Step-by-Step Plan:  
1. Explain how to read a grid  
2. Pass out copies of grid, instruction sheet and questions.  
3. Together plot 2 squares, one yellow and one green  
4. Allow the students to plot the remaining squares  
5. Have the students answer the questions on the back of the instruction sheet

Closure:  
What would a map of the school look like? Should there be a different color for each grade? What color should the hallways be?

Adaptations/Enrichment:  
Directions in Spanish  
Have students answer questions orally

Self-Reflection:  
Do the students understand how to locate things on a grid?  
Did the students understand the questions and answer them with the desired accuracy?
Bloom’s Taxonomy:
Comprehension: Interpret information on the grid
Application: Order the number of squares from least to greatest amount

Gardner’s Multiple Intelligences
Visual/Spatial: Graphing, drawing and coloring
Verbal/linguistic: Answering questions
Mathematical: graphing points