



Math in Action

Curiosity, Creativity, Challenge, Connection Making, and Collaboration

Honors Thesis
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What it is

Focus on linear functions

Starting with the concept of slope and the y-intercept moving to the slope-intercept equation for a linear function

The use of multiple representations (graphical, tabular, equation, and written rule)

Taught through an investigative lesson

Use of real world contexts to introduce and explore mathematical concepts

How it is created

Given real world contexts to help with the exploration of mathematical concepts

Covers common core state standards and the 8 mathematical practices

Connected mini lessons to understand concepts of linear function through multiple mathematical representations and understanding it's key concepts

By the end of the lessons, students will complete a performance task in order to assess knowledge acquired

Reason

Engaging activities created at a high level of cognitive demand with incorporated technology

Using real world contexts to provide a sense of familiarity to students' understanding

Questions?
