

Foundations - Session 1

Instructor: Laura Erlig

Objective: The Foundations course is designed to prepare students with the foundational math skills necessary for advanced math. The class uses the Everyday Mathematics text, games, and Khan Academy. In session 1, students will learn how to collect, display, and interpret data, as well as perform operations with whole numbers and decimals. Students will also learn to apply these topics to real-life situations.

Unit 1: Data Displays and Number Systems

- Exploring Statistical Questions
- Creating Dot Plots
- Introducing the Mean
- Introducing the Mean as a Balance Point
- Comparing Mean, Median, and Mode
- Analyzing Persuasive Graphs
- Introducing Histograms
- Examining Shapes of Graphs
- Introducing Integers
- Building a Number Line Using Fraction Strips
- Finding Fractions between Fractions
- Locating Negative Rational Numbers on the Number Line
- Plotting Ordered Pairs of Rational Numbers in 4 Quadrants

Expectations:

- Participate in class including asking for help or questions.
- Do your best to meet personal goals.
- Complete homework assigned.
- Watch each assigned videos and take notes in spiral notebook where appropriate.
- Check on Edmodo for assignments and progress of completed work.

Tips:

- Use your time wisely in class and at home. If you are distracted, the lessons will take 2 or 3 times as long.
- Ask for a copy of the Unit games and practice them at home as well.