

# Middle School Algebra - Session 2

Instructor: Tim Handley

**Objective:** The Algebra course is designed to follow the CCSS for 8th grade and is an equivalent course for 8th grade math. In session 2, students will learn how to use, apply, and model exponents and radicals.

## Unit 2: Exponents

Standards Covered: 8.EE.1, 8.EE.3, 8.EE.4, MP.2, MP.4

1. Properties of exponents
2. Scientific notation

## Unit 3: Radicals

Standards Covered: 8.NS.1, 8.EE.2, 8.G.6, 8.G.7, 8.G.8, MP.2, MP.4

1. Irrational numbers
2. Square and cube roots
3. Pythagorean Theorem
4. Distance formula

**Session 2 project:** Interest Investigation: a financial literacy project