

# PLANNED COURSE STATEMENT

<b>Course Title:</b> Foundations in Number Sense	<b>Grade Level(s):</b> 6, 7,8
<b>Length of Course:</b> 9 weeks	<b>Required/Elective:</b> Elective
<b>Adopted/Supplemental Materials:</b> <i>Core Focus on Math, SMC Curriculum; math websites</i>	

Offered at:	✓Applegate	✓ Fleming	✓Lincoln Savage	✓Lorna Byrne
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### COURSE DESCRIPTION:

A course designed to help students explore mathematical concepts further developing a deep understanding of number sense. Also, this course will encourage the study and discussion of number sense directly affecting youth as seen through everyday use of mathematics. Resources include those provided in the adopted curriculum as well as other websites providing investigations in number sense.

### COURSE GOALS:

Students will:

- Extend the notion of number to the system of rational numbers, which includes negative numbers.
- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.
- Work with radicals and integer exponents.

### ASSESSMENT STRATEGIES:

- Class participation and teacher observation.
- Self-evaluation and reflection.
- Exploration and short projects.

### ACCOMMODATIONS AND MODIFICATIONS:

Instruction will be adjusted according to student's assessed rate and level of learning. To meet learning needs of individual students, modifications to instruction and assignment expectations will be made. Opportunities to both remediate and extend learning will be offered to all students.

### CAREER RELATED LEARNING STANDARDS:

Students will demonstrate appropriate workplace behaviors, apply problem-solving strategies, demonstrate effective team membership skills, and demonstrate strategies for conflict resolution.