Snake River Middle School \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Math Connects Course 1**

This course is divided into two 50 minute periods. One period is focused on student understanding, and the other period focuses on student practice. The Common Core State Standards are the guidelines for this class.

**Materials**

Studying mathematics will be an exciting journey! As with any journey, it’s a good idea to prepare. Here are the items I expect you to bring to class every day.

Composition Notebook

Spiral Notebook

Folder

Pencil

Red Pen

Book Cover

Math Book (provided by the school the first week)

**The 5 Critical Areas of 6th Grade Math**

Ratios and Proportional Relationships

* Understand ratio concepts and use ratio reasoning to solve problems.

The Number System

* Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
* Compute fluently with multi-digit numbers and find common factors and multiples.
* Apply and extend previous understandings of numbers to the system of rational numbers.

Expressions and Equations

* Apply and extend previous understandings of arithmetic to algebraic expressions.
* Reason about and solve one-variable equations and inequalities.
* Represent and analyze quantitative relationships between dependent and independent variables.

Geometry

* Solve real-world and mathematical problems involving area, surface area, and volume.

Statistics and Probability

* Develop understanding of statistical variability
* Summarize and describe distributions.

**Mathematical Practices**

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

**Homework**

Homework is designed to enable students to use and check their own knowledge of a given topic. Homework is to help a student learn! We expect students to return to class some days with specific problems… We use homework as a tool to help us learn. Please encourage your student to work at home. Homework should be neat and legible. ALL MATH WORK IS TO BE COMPLETED IN PENCIL. SHOW ALL OF YOUR WORK.

**Makeup Work**

It is the student’s responsibility to find out what assignment(s) they miss when absent and to make up the work. Students have two days to make up the work for each day absent.

**Class Rules**

All school rules plus the following:

* Respect yourself, others, and our school
* Attend class
* Be cooperative and not disruptive
* Study and complete all assignments on time
* Learn and master required content

Come Prepared For Class, Come Prepared To Learn

**Mrs. Adams/Mrs. Hieb**

Please sign and return to me.

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, have read this syllabus.

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, have read this syllabus.

(Parent Signature)