7th Grade Mathematics Overview 2014 – 2015

Mr. Illes email: [cilles@syvcs.org](mailto:cilles@syvcs.org)

The purpose of this class is to give students a firm understanding of the 7th grade Mathematics Common Core curriculum. The skills students learn in this class will help them build a foundation in mathematics that will be needed to succeed in future mathematics courses.

Topics:

Ratios and Proportional Relationships

• Analyze proportional relationships and use them to solve real-world and mathematical problems.

The Number System

• Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

Expressions and Equations

• Use properties of operations to generate equivalent expressions.

* + 1. • Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

Geometry

• Draw, construct and describe geometrical figures and describe the relationships between them.

• Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

Statistics and Probability

• Use random sampling to draw inferences about a population.

• Draw informal comparative inferences about two populations.

• Investigate chance processes and develop, use, and evaluate probability models.

Grades: Letter Grades:

In Class Assignments 10% A 100% - 90%

Homework Assignments 10% B 89% - 80%

Quizzes 20% C 79% - 70%

Tests 30% D 69% - 60%

Projects 30% F 59% - 0%

Notebook Check:

Organizational skills are stressed to prepare the students for future classes. All notes and handouts are to be kept in an organized manner. There will be periodic notebook/binder checks to make sure students are organizing their work in an orderly fashion.

In Class Assignment:

Work completed in class will be graded and count as 10% of the student’s overall grade. In class assignments must be made up in the event of an absence from class.

Homework:

Homework will generally be assigned on a daily basis and checked/collected the following class. It is imperative that the homework be completed so that the student is prepared for the following class. Homework accounts for 10% of the student’s final grade.

Quizzes/Presentations

Quizzes, along with short student presentations, will account for 20% of the student’s final grade. Quizzes, when given, will be on Tuesdays, and serve as a “check” of student’s understanding of the materials. Student’s presentations will consist of students selecting a sub-topic of a current concept we are studying, preparing all elements needed to present the material to the class, and “teaching” the topic to the class.

Tests & Projects:

Tests are given in the middle and at the end of each module. Tests, along with any projects, account for 30% of the student’s final grade.

Student Signature:

Date:

Parent Signature:

Date: