Math - Grade Level

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"Mathematics is the language in which God has written the universe"

— **Galileo Galilei**

Expectations

Participate - Participate in the lessons. Pay attention.

Prepared - Pencils, paper, organized notes/composition notebook, completed work.

Prompt - Come to class on time and immediately get down to business..

Polite - Do not disrupt class. Be respectful to both teacher and classmates.

Practice - Complete all homework and classwork.

Conduct Grade-Citizenship in the Classroom*	
Above Average Knight Behavior 1	• Is a positive role model, who leads quietly or outwardly • Shows kindness and care for others • Is always respectful of teachers and fellow students • Works to improve the classroom atmosphere • Takes an active part in class discussions, groups, etc. • Is a self-starter and seeks to help others • Completes all work to the best of their ability • Demonstrates personal and academic integrity • Respect classroom resources/tools • Arrives on time and prepared to learn
Satisfactory Knight Behavior 2	• Contributes positively to class • Shows respect for others • Comes to class prepared and on time • Demonstrates personal and academic integrity • Listens and talks when appropriate • Does what is expected • Willing to help others • Respect classroom resources/tools
Needs Improvement Knight Behavior 3	• Needs frequent reminders by the teacher to stay on task and/or behave appropriately • Needs improvement in showing respect and kindness to classmates/teacher • Sometimes comes to class unprepared and/or does not complete work • Distracts other students' learning • Occasionally displays a negative or uncooperative attitude • Irresponsible with classroom resources/tools
Unsatisfactory Knight Behavior 4	• Is a disruptive influence on the class, negatively impacting the learning environment • Shows a lack of respect for teacher/fellow students • Is disrespectful or unkind to others, in actions or words • Regularly comes to class unprepared and puts forth little effort • Demonstrates a lack of personal and academic integrity • Harms classroom resources/tools

Curriculum

6th Grade

In sixth grade, instructional time will emphasize five areas:
1. Performing all four operations with integers, positive decimals, and positive fractions with procedural fluency;
2. Exploring and applying concepts of ratios, rates, and percent to solve problems;
3. Creating, interpreting, and using expressions and equations;
4. Extending geometric reasoning to plotting points on the coordinate plane, area, and volume of geometric figures; and
5. Extending understanding of statistical thinking.

Mathematics - Prentice Hall Course 1 - 6th Grade Math

7th Grade

In seventh grade, instructional time will emphasize five areas:
1. Recognizing that fractions, decimals, and percentages are different representations of rational numbers and performing all four operations with rational numbers with procedural fluency;
2. Creating equivalent expressions and solving equations and inequalities;
3. Developing understanding of and applying proportional relationships in two variables;
4. Extending analysis of two and three dimensional figures to include circles and cylinders; and
5. Representing and comparing categorical and numerical data and developing understanding of probability.

Mathematics - Prentice Hall Course 2 - 7th Grade Math

8th Grade

In eighth grade pre-algebra, instructional time will emphasize five areas:
1. Representing numbers in scientific notation and extending the set of numbers to the system of real numbers, which includes irrational numbers;
2. Generate equivalent numerical and algebraic expressions including using the Laws of Exponents;
3. Creating and reasoning about linear relationships including modeling an association in bivariate data with a linear equation;
4. Developing an understanding of the concept of function; and
5. Analyzing two dimensional figures, particularly triangles using distance, angle, and applying the Pythagorean Theorem.

Mathematics - Prentice Hall Course 3 - 8th Grade Math

Supplemental Resources: Simple Solutions, Math-Drills, Super-teacher, Mathworksheets4kids, Math-aids, Pre-Algebra With Pizzazz!, Middle School Math With Pizzazz!, Edulastic, IXL, Math Worksheets Land, TPT - Teachers Pay Teachers, Math Antics, Pear (Edulastic), and Quizizz.

Grading Scale

Tests - *20 to 100 points per test*

Unit Tests are given at the end of a unit. All work must be shown to receive full credit. If a student is absent for a test, it is the **student's** responsibility to contact the teacher to schedule a make up time.

Quizzes - *5 to 50 points per quiz*

There will be several quizzes given throughout each chapter. These are designed to prepare students for the upcoming unit test.

If a student is absent for a quiz, it is the **student's** responsibility to contact the teacher to schedule a make up time.

Classwork - 5 to *25 points per assignment*

Classwork will be given out periodically as a reinforcement of the section being taught.

Homework - *5 to 25 points per assignment*

Homework is meant to reinforce skills taught in class. Students are responsible for writing all assignments and the due dates in their planners.

- Homework is not considered complete without showing work. It is difficult to identify errors/questions if students do not have work to support their answers.   If they complete the homework, but do not show all their steps and/or do not document their mistakes, they will lose points.
- All math work must be written in pencil. The only time students should use a pen is when they grade their homework.

Supplies

Students are required to bring ALL the materials listed below to each class. Returning to the lockers or other areas for forgotten materials will not be permitted.

- 1 composition notebook (for notes)
- 3 ring binder with three to four dividers (for organizing papers)
- loose leaf paper
- sharpened pencils (enough to last the year)

Extra Help

If more instruction is needed, students are encouraged to communicate with his/her teacher. Arrangements to meet individually or in small groups will be made.

"The hardest arithmetic to master is that which enables us to count our blessings."

− Eric Hoffer