

Math 6

Scott Gilson

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Conference Period: 5th

Tutoring Opportunities:

- **Math Lab**- Computer Lab A- 7:45 – 8:15 (Tuesday, Wednesday, Thursday)
- **Homework Club**- Cafeteria- 3:30 – 4:30 (Wednesday- must have a ride home)

**Tutorials are also available by appointment before/after school in room 106.

Class Materials:

- Math binder, notebook paper, highlighters, pencils

Access to Canvas, Skyward, and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.

Course Description:

Focal points in mathematics at Grade 6 include using operations with integers and positive rational numbers to solve problems; understanding and applying ratios and rates and using equivalent ratios to represent proportional relationships; using expressions and equations to represent relationships in a variety of contexts; understanding data representations; and financial literacy. Use of mathematical processes to acquire and demonstrate understanding is emphasized.

Course Goals:

Students who complete this course successfully will be able to:

- Add, Subtract, Multiply, and Divide Positive and Negative Numbers fluently.
- Classify whole numbers, integers, and rational numbers using a visual representation such as a Venn diagram to describe relationships between sets of numbers
- Represent mathematical and real-world problems involving ratios and rates using scale factors, tables, graphs, and proportions
- Determine solutions for problems involving the area of rectangles, parallelograms, trapezoids, and triangles and volume of right rectangular prisms where dimensions are positive rational numbers

Student Evaluation:

The grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor (Advanced courses 60% Major 40% Minor)
- Major grades – tests (including District Common Assessments, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum four per six weeks
- Semester exams will count 1/7 of the semester grade
- A letter system (S, N, U) is used to report a student's conduct based on proper/responsive conduct and citizenship
- Per Board Policy EIA (LOCAL), "The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments, quizzes, six-week test, and semester final examinations. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.

Assignments, exams, expectations outside of the classroom:

Homework will be assigned several times throughout the week and will be due the next day. It is the students' responsibility to seek out tutoring if they need assistance. For full credit, homework must be completed and all work must be shown.

Attendance/Tardy Policy/Make-Up Work:

ATTENDANCE

In order to receive credit for classes, a student must be attendance 90% of the school year in each class. In the event of an absence from school, always bring a note from home and/or doctor's note to excuse the absence.

TARDIES

At Highland Middle School we believe that each student should receive uninterrupted instruction every class period. Each student, therefore, is expected to be in their designated classroom when the tardy bell rings. All students should arrive to their classrooms on time and ready to learn when each class begins. Consequences will be given for students that do not follow the tardy policy as stated below:

- 1st Tardy Warning
- 2nd Tardy Morning Detention (7:50 – 8:20 AM in SAC Room)
- 3rd Tardy After School Detention (Thursdays / 3:30 – 5:00)
- 4th Tardy Saturday School (8:00 – 11:00 AM on Saturdays)

5 or more tardies will result in an office referral.

MAKE-UP WORK

1. Students are allowed two days to make up the first day's work from an absence. Another day will be added for each additional day that a student is absent.
2. If you are absent the day an assignment and/or project is due, it will be due on the day you return. If you are absent the day a test has been planned and announced, you will take it the day you return.
3. If you miss a test and were not aware one was planned, it is your responsibility to see your teacher about scheduling a make-up.

Classroom Expectations:

Students will come to class with supplies ready to learn.

Preliminary Schedule of Topics, Readings, and Assignments

Unit 1: Number Concepts (August/September)

- Whole number and decimal operations
- Prime factorization and factoring
- Modeling fractions and mixed numbers
- All operations with fractions and mixed numbers

Unit 2: Integers (October)

- Introduction of Integers
- Adding and subtracting integers
- Working with all 4 quadrants of the coordinate plane
- Multiplying and dividing with integers

Unit 3: Expressions & Equations (November/December)

- Model situations with algebraic expressions and equations
- Write, solve, and graph linear equations and inequalities
- Analyze the difference between dependent and independent variables

Unit 4: Ratios (January/February)

- Solve problems involving ration and proportion relationships
- Write equivalent ratios
- Find the percent of a quantity
- Represent ratios and percents with fractions and decimals
- Use equivalent percents, fractions, and decimals to describe the same part of a whole

Unit 5: Geometric Concepts (February/March)

- Area and perimeter of polygons, including triangles, trapezoids
- Polygons on the Coordinate Plane

- Volume of rectangular prisms

Unit 6: Data Analysis & Unit 7: Financial Literacy (March/April/May)

- Summarize numerical data including mean, median, range, interquartile range, and mode
- Interpret numeric data summarized in dot plots, stem-and-leaf plots, histograms and box plots
- Properties of triangles and their angles
- Describe information in a credit report and its value to others
- Compare annual salary of several occupations
- Compare features of a checking account and a debit card

Academic Integrity:

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.