Honors Math 1 Syllabus

SUPPLIES

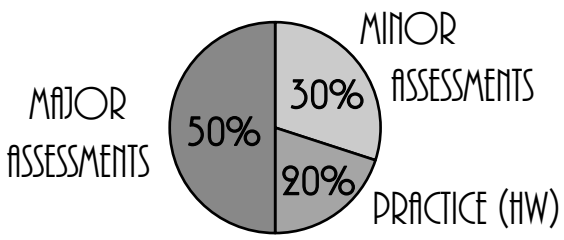
Students will need the following supplies in class each day:

- **Charged** computer
- Notebooks – spiral or composition-style, used only for math (one per semester)
- Writing tools – pencils and extra lead if mechanical
- Coloring tools – colored pencils or markers, highlighters
- Calculator – scientific or graphing* preferred, **not** a phone
- Folder or binder for returned work
- Earbuds to use for testing and occasional personal music use

Optional supplies to donate for classroom use:

- Wipes, hand sanitizer, or tissues
- Colorful dry erase markers
- Graph paper
- Glue sticks

GRADING



Grades will be determined using a weighted scale with the categories shown above.

A: 90-100%
B: 80-89%
C: 70-79%
D: 60-69%
F: Below 60%

CONTACT INFORMATION

Ms. Katie O'Leary
koleary@helenaschools.org • (406) 324-2783
Email is preferred

* If your student is interested in investing in a graphing calculator that will be useful in high school (including ACT/SAT tests), I would recommend a TI-83 or TI-84. *This is **not** necessary to be successful in this class.*

COURSE DESCRIPTION

Honors Math 1 is a challenging, high school course that covers a wide variety of topics. Students will spend the first three quarters of the school year covering Algebra 1, and the fourth quarter is devoted to introducing the fundamentals of Geometry. Students who successfully meet the standards of this class will be eligible to receive high school credit and advance to Honors Math II as a freshman.

Over the course of the year, students will explore a variety of topics, including:

- Expressions, equations, and functions
- Solving, constructing, and graphing linear functions
- Systems of equations and inequalities
- Exponents, exponential growth and applications
- Polynomial, radical, and rational functions
- Graphing, solving, and factoring quadratics
- Probability and Statistics
- Introduction to Geometry

To explore these topics, students will be using McGraw Hill's ***Algebra I*** and ***Geometry*** textbooks, as well as a variety of additional resources, including online tools.

CLASSROOM EXPECTATIONS

Assessments: In order to promote mastery learning, students will have the opportunity to correct and/or retake most assessments in order to demonstrate an understanding of the content and receive additional partial credit. Corrections are due one week after the graded item is returned to students. Retakes of major assessments can be scheduled using the "Request to Retest" form. Expectations for corrections and retakes will be explained in detail after the first assessment.

Assignments: Math is a skill that needs practice! Expect homework daily. Homework assignments will typically be graded for both completion and accuracy. Students should expect a variety of learning tasks, including assignments from the textbook, printed or PDF worksheets, and digital tasks through online programs such as DeltaMath, IXL, or i-Ready. To encourage students to master the content, late work will be accepted for partial credit within the unit of study. Students will occasionally have the opportunity to work in a collaborative setting on assignments, but each student will be individually accountable for understanding the concepts addressed. Grades will be updated frequently on PowerSchool. Students are responsible for checking grades and keeping returned assignments to verify posted scores.

Attendance: Students are expected to attend class whenever possible, including being in their seat ready to learn when class starts. When absent, it is the responsibility of the student to arrange to make up any missed activities. Many resources are available through Microsoft Teams; however, students should check in with Ms. O'Leary or a classmate to verify that the posted plans match the classroom activities for that day. Students who will be absent for scheduled school-related activities must make arrangements **in advance** to turn in assignments and get homework. If a student is struggling with excessive absences or tardiness, a conference will be scheduled to determine how to best support the student's needs.

Academic Integrity: Students are required to maintain academic honesty in all situations. This means that students are expected to turn in work that reflects their independent knowledge of the topic, unless specifically allowed to use additional resources/assistance. Students are expected to be honest when grading work and reporting any self- or peer-graded accuracy scores. Appropriate consequences will be enforced for students who commit acts of academic dishonesty. Please see the student handbook for additional details.

ACKNOWLEDGMENT

I acknowledge that I have read and understand the expectations for Honors Math I as detailed in this syllabus for the 2023 – 2024 school year.

Student Name: _____ Student Signature: _____

Parent/Guardian Name: _____ Parent/Guardian Signature: _____

Primary Parent/Guardian Contact Information (*please place a star next to the preferred method*)

Email: _____ Phone Number: _____