

Kathleen and Tim Harney Middle School



Course Expectations

Pre-Algebra

2024-2025



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Course Scope:

This one-year course is designed to provide students with the necessary knowledge and skills to successfully complete algebra and geometry. The first semester will include many review concepts and standards from 7th grade that are necessary in order for students to be successful in pre-algebra.

This course builds on the concepts of number operations with integers, decimals, and rational numbers, word problems and reasoning skills, data analysis, probability, geometry, measurement, spatial sense, patterns, and beginning algebra.

Course Goals:

- To develop the Standards for Mathematical Practice. [CCSS]
- To know that there are numbers that are not rational and approximate them by rational numbers. [CCSS: 8.NS]
To work with radicals and integer exponents. [CCSS: 8.EE]
- To understand the connections between proportional relationships, lines, and linear equations. [CCSS: 8.EE]
- To analyze and solve linear equations and pairs of simultaneous linear equations. [CCSS: 8.EE]
- To define, evaluate, and compare functions. [CCSS: 8.F]
- To use functions to model relationships between quantities. [CCSS: 8.F]
- To understand congruence and similarity using physical models, transparencies, or geometry software. [CCSS: 8.G]
- To understand and apply the Pythagorean Theorem. [CCSS: 8.G]
- To solve real-world and mathematical problems involving volume of cylinders, cones, and spheres. [CCSS: 8.G]
- To investigate patterns of association in bivariate data. [CCSS: 8.SP]

Technology:

Students will have content from a workbook as well as on a computer program. Students are expected to bring Chromebook to class everyday fully charged. If you are absent, missing work can be found on Canvas which can be accessed 24/7. Students will participate in instruction and corresponding activities planned and designed by the teacher to support the math standards.

Course Expectations: Students are required and responsible for:

- Taking guided notes as directed by the teacher. The notes must be contained in a notebook.
- Using a pencil for all work unless instructed otherwise. Math is learned through practice and writing helps us internalize the information.
- Having proper materials daily
 - Chromebook - fully charged
 - Graph paper
 - Pencil
 - Ruler

- Highlighter
- Completing assignments by the required due dates.
- Reaching out and asking for help.
- Maintaining appropriate behavior while participating in class.

Course Content: The students will perform the following activities during this school year:

- **Tests:** There will be approximately two/three tests per quarter. (Upon completion of major units)
 - Students will be expected to hand in their scratch paper for all tests. Failure to do so will result in an “incomplete” until it is handed in. It is imperative that students don’t guess their way through the assessments. Submitting work proves that you completed the test with integrity. Scores will not be reduced on assessment submitted past the due date; however citizenship will be impacted by late/missing assignments.
- **Quizzes:** Problems are chosen from previous assignments, notes, or warm-ups.
 - A neatly organized notebook can be very beneficial as a study aid for quizzes.
- **Retake policy for TESTS/QUIZZES:**
 - no missing assignments for that standard
 - all retakes need to be done before or after school
 - students must complete the practice test with a 75% or better before retesting
 - student must do test corrections before retesting
- **Homework Assignments:** Students must practice what has been taught in order to become proficient. Students will be assigned homework with daily practice over new and old concepts. Students should expect nightly paper/pencil homework and technology assignments. Scores will not be reduced on assignments submitted past the due date; however citizenship will be impacted by late/missing assignments.
- **Classwork/Participation:** Grades will be earned for actively participating and completing classwork such as daily warm-ups, and discussions.

Quarter Grade: Grades will be determined using the following criteria:

Summative Assessment (with scratch work submitted)	80%
Formative Assessment (Classwork, Assignments, and Task)	20%

Semester Grade:

Quarter 1 Grade	50%
Quarter 2 Grade	50%

Grading Scale:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	50-59%

Rubric for Citizenship Grades:

	Outstanding 4	Satisfactory 3	Needs Improvement 2	Unsatisfactory 1
Preparedness	Consistently prepared by having all classroom materials; 90% of assignments submitted on time	Consistently prepared by having all classroom materials; 80% of assignments submitted on time	Inconsistently prepared by having all classroom materials; 60% of assignments submitted on time	Consistently unprepared/ regularly does not bring materials; less than 50% of assignments are submitted on time
Effort	Consistently takes initiative and participates actively in learning	Usually takes initiative and participates actively in learning, does what is expected	Inconsistent effort, sometimes participates actively in learning	Frequent redirections to get started with tasks
Participation	Consistently demonstrates positive participation by asking questions or contributing to the lesson	Usually participates and contributes to class, usually when called upon	Inconsistent participation; requires teacher guidance to participate with class discussions or activities	Consistently does not respond to teacher guidance to participate in class activities
On-Task	Consistently on task; listens and follows directions with respect	Usually on task; listens and follows directions with respect	Inconsistently on task; requires consistent redirection	Frequently distracted and distracts others during class
Respect	Consistently shows respect for self, staff, and follow students and words to improve classroom atmosphere	Usually shows respect for self and others	Inconsistently shows respect for self and others	Frequently causes problems for self and others, is a negative/disruptive influence on the class

Score	Grade
16-20	Outstanding
11-15	Satisfactory
6-10	Needs Improvement
0-5	Unsatisfactory

Cheating will result in an automatic citizenship grade no higher than an “N”

Infinite Campus

With an activated user account and password, whether at home, school, work, the library, around the world, parents can access student grades and attendance through Infinite Campus online. Help logging into Infinite Campus can be found at <https://www.infinitecampus.com/audience/parents-students/help-center>



Student Name _____ Class Period _____

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STUDENT:

I have read the student expectations and I understand what is expected of me.

Student, please initial each of the following, stating you read and understand them.

- _____ I understand that I need to show my work on paper using a pencil for all math assignments. Failure to do so will result in a zero.
- _____ I understand the Math retake policy.
- _____ My teacher and I have read the course expectations for this year.

Student Signature: _____ Date: _____

PARENT:

I have read the student expectations and I understand what will be expected of my child. I expect that my child will regularly attend school and will do the work assigned to him/her.

Please initial each of the following, stating you read and understand them.

- _____ I understand that I need to show my work on paper using a pencil for all math assignments. Failure to do so will result in a zero.
- _____ I understand the Math retake policy.
- _____ My teacher and I have read the course expectations for this year.

Parent Signature: _____ Date: _____

Number you may be most easily reached between 8:15 a.m. – 4:00 p.m.

Telephone: _____ - (Is this home, work, or cell?)

If work phone, place of employment

Personal Email address: _____