

Crook County High School: Pre-Algebra

Course Length: Year Long

Instructor for 2017-2018:

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Course Description

Goals: By the end of the year, 100% of students will meet or exceed Pre-Algebra standards (60% or higher).

Expectations:

- Please be to class on time.
- Once you enter the room, please sit down, stop talking, and complete the daily opener.
- No cell phone use (with some teacher-directed exceptions).
- Be **Respectful, Reasonable, Responsible, and Safe** at all times.
- Keep an organized notebook.
- Persevere.

Notebook Requirements:

- You will need to keep a notebook with all classwork and notes.
- You will prepare a portfolio each semester, demonstrating your growth in understanding of specific concepts and processes as well as your growth in mathematical practices.

Supplies:

- Pencils (PLENTY) and an Excellent Eraser - Mistakes are part of the process.
- Notebook.
- Lined Paper and Graph Paper.
- Ink Pen and Highlighter.
- **Scientific Calculator Recommended.** Cell phones may not be used as calculators during class time.

Assignment Requirements:

- Name, date and heading.
- Write neatly and legibly.
- Copy the problem or write the critical information needed to solve the problem.
- Graphs and sketches always include scale numbers and answers include units (inches, meters, etc.)
- Check your answers and justify your process. Tell how you solved the problem, why you solved it that way, and why your answer makes sense. The objective is not to just do the math correctly and get the answer, but also to effectively communicate the problem-solving process.
- Write your solutions so that **anyone** reading your paper can follow the flow of your solution. Organization is as important as using the correct terminology and notation.

Grading Policy:

Your grade for the class will be calculated from the following categories:

80% Standards Assessments

10% Formative Assessments (including Classwork)

10% Portfolio and Final Exam

Corresponding Letter Grade	Proficiency Scale	Percentage Scale
A	Exceptional Mastery	90 - 100
B	Mastery	80 - 89
C	Proficient	70 - 79
D	Minimal Proficiency	60 - 69
F	Does Not Meet	Below 60

Students must earn a minimum grade of a D to move on to the next mathematics class.

There will be no extra credit offered. Make-up work will have a 1-day extra per-day-absent time limit.

Students can retake standards assessments for full credit provided they have met the prerequisite work for retakes. The work turned in is for retake purposes only and does not count for missed assignments. Mastery Quizzes fall into the "Standards Assessments" category, will be offered periodically, and may be retaken as many times as needed to demonstrate mastery of fundamental skills.

Notification of the Right to Object to the Use of Materials:

Any resident of the district may raise objection to instructional materials used in the district's educational program despite the fact that the individuals selecting such materials were duly qualified to make the selection and followed the proper procedure and observed the criteria for selecting such material.

The first step in expressing objection is consultation with the classroom teacher or library staff and providing a brief written complaint. The staff member receiving a complaint regarding instructional materials shall try to resolve the issue informally through the discussion of the original assignment or the opportunity for an alternative assignment.

If not satisfied with the initial explanation or an alternative assignment, the person raising the questions will meet with a building administrator who, if unable to resolve the complaint, will provide a Request for Reconsideration form which will be given to the superintendent for action.

Standards

In this class, we will focus on three of the Standards for Mathematical Practice from the Oregon State Mathematics Standards:

- Students will make sense of problems and persevere in solving them.
- Students will reason abstractly and quantitatively.
- Students will construct viable arguments and critique the reasoning of others.

We will also focus on the necessary prerequisite skills to be successful in Algebra and beyond. Specifically, by the end of the course:

- Students will be able to fluently add, subtract, multiply and divide fractions with like and unlike denominators.
- Students will be able to fluently add, subtract, multiply and divide positive and negative numbers.
- Students will be able to solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane.
- Students will be able to use linear equations and systems of linear equations to represent, analyze, and solve a variety of problems.