

8th Grade Algebra Syllabus

Welcome to the 2024-2025 District Advanced Math class. I hope you were able to relax and enjoy your summer break. We will use Eureka Math², published by Great Minds. Eureka Math² has a rigorous curriculum supported by integrating digital components to advance the accessibility and equity of the curriculum. I will be able to observe what the students are doing in real time and give instant feedback to correct instruction. This year's goals as a math department are to increase student engagement, student discourse, collaboration, and movement in class. This curriculum will help us keep that focus. I am available every morning from 7:15 to 7:55 am if extra help is needed.

A typical lesson structure will have 4 phases and is timed to be 45 minutes in length.

1. Fluency (5-10 minutes)
 - a. Skills practice of previously learned material. Activates prior knowledge.
2. Launch. (10 minutes)
 - a. Introduction to the day's learning with activities to build context.
3. Learn (25 minutes)
 - a. Presents new math concepts to go with the lesson objectives.
4. Land (10 minutes)
 - a. Brief closing discussion for students to complete exit tickets on the day's topic.

For this to be a successful year we will need to work together and learn and practice various routines to help provide our class with an effective learning environment. This will require all students to participate in both large and small group settings actively. Be willing to share if called upon or if you have information to add to the class discussion. Lastly, we must keep up with all the work to have a successful year. If you are prepared and master the concepts in the lessons, the assessments will be easy.

Classroom Responsibilities and Expectations

- Abide by the Jefferson Creed
- Listen to instructions when given
- Come to class prepared with the required class supplies
- Homework is due when you enter class
- Respect others when speaking
- Always try your best
- No eating in class (nut-free zone)



Materials Needed:

- 1) Spiral Notebook
- 2) Pencils
- 3) Dry-erase markers
- 4) Scientific calculator.
- 5) Graphing Paper, Binder Paper
- 6) Ruler

Extra Help: I encourage you to seek help if you have difficulties in class. I am available during my office hours from 7:15 - 7:55. If you come in early you must head to my room (rm 108). You are not allowed to loiter on campus.

Academic Honesty: Honest behavior is an expectation of all students. Plagiarism and cheating will not be tolerated in my classroom. They will result in a **zero** on the assignments and the student's situation will be referred to the Principal and parents.

| Categories | Grading Weights | Grading Scale | | | |
|------------------------------|-----------------|---------------|--------------|-----|--------------|
| Textbook & Lesson Activities | 10% | A | 92.5 – 100% | C | 72.5 – 77.4% |
| Independent Practice (HW) | 10% | A- | 89.5 – 92.4% | C - | 69.5 – 72.4% |
| Standard Quizzes | 20% | B+ | 87.5 – 89.4% | D + | 67.5 – 69.4% |
| Assessments/Quizzes | 60% | B | 82.5 – 87.4% | D | 62.5 – 67.4% |
| | | B- | 79.5 – 82.4% | D - | 59.5 – 62.4% |
| | 100% | C+ | 77.5 – 79.4% | F | Below 59.5% |

Grading: Grades are calculated using the following weighted averages. The grading scale above will be used to arrive at grades. I will try to have grades reflect the student's proficiency level. An example of this would be a student who received 40% would normally receive an F, but that F does not reflect whether the student is not yet proficient or partially proficient. For assessments, I will take the raw percentage grade and use an adjusted score to calculate proficiency level and letter grade.

| Raw Percent Range | | Adjusted Score Range | | Proficiency Level | Letter Grade |
|-------------------|-----|----------------------|-----|-------------------------------|--------------|
| 0 | 59 | 30 | 60 | Not Yet Proficient (NYP) | F |
| 60 | 69 | 60 | 69 | Partially Proficient (PP) | D |
| 70 | 79 | 70 | 79 | Inconsistency Proficient (IP) | C |
| 80 | 89 | 80 | 89 | Proficient (P) | B |
| 90 | 100 | 90 | 100 | Highly Proficient (HP) | A |

Notebook: It is required that we keep a spiraled bound single-subject notebook (70-200 pages). We will use the notebook to keep track of notes from activities and lessons, warm-ups, key vocabulary, and various other topics that will arise throughout the year. All entries are required to be dated and titled. A new date must start on a new page. You may write on both sides of a page or one. Grades are based on the organization and completeness of the notebook.

Independent Practice (Homework): Each lesson includes a set of practice problems (approx 7), that will be used as homework assignments or at times in-class assignments. Late homework or assignments will be accepted up to 2 days after the due date and will receive no more than ½ credit for the assignment.

Assessments/Quizzes: With each unit, there will be a mid-unit assessment (for longer units) and a final assessment.

Standard Quizzes: Periodically we will have standard quizzes to close out the week. There will be 2-3 key standards for these assessments. You will know at the beginning of the week what standards will be assessed so you can be prepared.