

ALGEBRA: CONCEPTS AND CONNECTIONS

Course Description:

Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning.

We will be using a math curriculum from Carnegie Learning this year. This curriculum was chosen by the Floyd County Schools Board of Education because it directly matches the new Georgia Standards for Mathematics. Each student will have a workbook that will be used frequently for classroom instruction. It is the student's responsibility to keep up with and bring their workbook to class each day. In addition to the workbook, the adopted curriculum also includes a digital component called MATHia that students will access using their chromebooks. MATHia is a supplementary practice site that students will use throughout the school year to practice more with the concepts being taught. Another digital component of this curriculum is called Math Stream. This is a website where students can watch additional instructional videos on the concepts they may be struggling with in class.

Classwork/Homework Policy:

Although math may be a tough subject for many students, I ask that all students give their best on every assignment. Students will be required to participate in class which includes paying attention, asking and answering questions, working assigned problems at their desk, either individually or with a partner. Homework is not nightly but will be given periodically to stay on track with the course/develop deeper understanding/fluency.

Supplies

- ★ Binder or Folder (Any size, may be shared with other subjects)
- ★ Notebook Paper
- ★ Pencils
- ★ Personal scientific calculator is OPTIONAL (one will be provided during class; free online version available)

****Any donations would be greatly appreciated, but are by no means required!****

Grading Policy:

55%- Tests or Projects
25%- Classwork, Entry/Exit Tickets, Quizzes (Daily Grades)
20%- Semester Exam

Students will be responsible for completing and turning in assignments on time. Cheating will absolutely not be tolerated in my classroom. Cheating will result in a zero for the assignment the student is working on.

Make- Up Assignments

If a student is absent, they should check Google Classroom for the assignment for the day if it is digital or check with me for any physical copy. I will allow three extra days for assignments every day the student is absent. (If the student is absent on Monday, they should turn in Monday's assignments on Friday). Completing and turning in make-up work in a timely manner will be up to the student.

Expectations

- ★ Students will bring needed materials to class every day. (Paper, pencil)
- ★ Students will follow the C-CODE behavior plan set forth by the school. C-CODE stands for Cooperative, Courteous, Ownership, Determined, and Excellent. (See the chart below for more information about what following the C-CODE looks like in a classroom setting.)
- ★ Students will not disrupt the learning of others.
- ★ Students will pay attention, take notes during class, and complete all assignments.
- ★ Students will be respectful to the teacher and classmates.

C	C -	C	O	D	E
	Cooperative working together for a common purpose	Courteous behaving in a polite and respectful manner	Ownership taking responsibility for your own actions	Determined showing a strong desire to succeed, even if it is difficult	Excellent being extremely good, outstanding, or superior
Classroom	*Following directions * Working well with your classmates *Participating in class	*Saying "please" and "thank you" *Being nice, kind and respectful to others *Listening quietly during instructions *Cleaning up after yourself	*Taking responsibility for your actions *Owning your mistakes *Asking questions *Taking pride in yourself and what you do	*Demonstrating Academic Courage * Working hard *Focusing on your work *Completing your assignments	*Being the best you can be *Doing work in a timely manner *Having a good attitude *Striving to succeed

Come to class ready to learn and prepared to participate - we will be working hard together!