

## 2020-2021 Middle School Math Syllabus

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My Office Hours: M-F 4-5 pm, All contact outside office hours will be returned within 24 hours.

If you wish to contact me during school hours, please send me an email, do not call or text.

### *CVA Vision and Mission*

*Vision: It is the Vision of CVA to equip each student with a quality Christian education firmly based in the Word of God, so that they are fully prepared to take the love of God into all the earth.*

*Mission: It is the Mission of CVA to educate our students, using biblically sound teachings, in order that they may impact their world for Christ. We do this by utilizing our hybrid program to make individualized education plans. This is accomplished through on-campus, online, and home education programs.*

### **Welcome to Middle School Math!**

Welcome to Middle School Math! In this course we will cover a wide variety of math topics that will become the building blocks upon which your middle school level math knowledge is built.

### **Course Description**

**Primarily Used Text: Intermediate Math Abeka**

In middle school math, students work toward fluently solving equations and instructional time focuses on the critical areas. Students will develop an understanding of proportionality and solve single-and multi-step problems. They will use their understanding of ratios to develop an understanding of proportionality and solve single-and multi-step problems. The students will learn to understand operations with relationship numbers and begin to work with expressions and linear equations. The students will become proficient in the addition, subtract, multiplication and division of negative numbers. The students will learn to use two-and three-dimensional shapes to solve problems regarding area, surface area and volume.

### **Course Objectives**

By the end of this course, students will be able to:

- Recognize that mathematics permeates the world around us.
- Appreciate the usefulness of mathematics.
- Understand and be able to use the language, symbols, and notation of mathematics.
- Develop mathematical curiosity and use inductive and deductive reasoning when solving problems.
- Become confident in using mathematics to analyze and solve problems both in school and in real-life situations.
- Use appropriate mathematical concepts and skills to solve problems in both familiar and unfamiliar situations including those in real-life contexts.
- Explain whether their results make sense in the contexts of the problem.
- Analyze proportional relationships and use them to solve real-world and mathematical problems.
- Apply and extend previous understands of operations with fractions to add, subtract, multiply, and divide rational numbers.
- Use properties of operations to generate equivalent expressions.

### **☆ Classroom Rules ☆**

Refer to the CVA student handbook for a complete listing of school rules, policies, and procedures.

☆ Regular classroom rules apply: Respect your teacher and peers at all times, turn in all assignments in a timely fashion, come prepared, and ready for class.

☆ Keep class discussions both in the classroom and online respectful.

☆ Always remember we represent Christian Victory Academy at all times, but also remember that we are representatives of God, and we all always conduct ourselves accordingly.

## ☆ Special Rules ☆

**All math work must be completed on 1/4in graph paper.** No math assignments will be accepted on line paper. Students should format their work by dividing their paper into 2 columns. One side will have their answers and the other side should show all of their work. This will be demonstrated in class on the first day.  
*This does not apply to essays and research projects unless otherwise noted.*

## ☆ Course Materials ☆

**Students are expected to have all the required materials when they come to class.**

Plastic 2-pocket folder with prongs.	Pack of 1/4 in graph paper.	Pencils/Pens/Eraser
TI84 Plus CE Calculator	Ruler	Colored Pencils

## ▣ Grading ▣

### ✓ Tests/Quizzes: 50%

- ✓ There will be at least one test and quiz per unit.
  - **\*Important!\*** Tests and Quizzes may be taken from any part of the unit including sidebar notes, vocabulary and handouts both physical and digital. The student is responsible for reading all the assigned material.

### ✓ Projects: 25%

- ✓ Special Projects

### ✓ Assignments: 25%

- ✓ Book Work ✓ Worksheets

## Google Classroom

This year we will be using Google Classroom and it will be the central hub of all your assignments and other useful materials.

- ★-All Grades will be posted on Google Classroom★
- ★All assignments will be posted on Google Classroom★
- ★All announcements/handouts will be posted on Google Classroom★
- ★Google slides will be posted on Google Classroom★
- ★Videos will be posted on Google Classroom★

During our first class meeting, I will be giving you a guided tour of Google Classroom, in order to ensure that all students are able to sign up and get logged into the class. I will also teach you how to turn in assignments, view additional materials, and find your grades.

- ★Signing in to Google Classroom.
  1. Go to [classroom.google.com](https://classroom.google.com)
  2. Log in with your School Gmail account
  3. Click the + sign at the top right-hand corner
  4. Click "Join Class"
  5. Type in the classroom code which I will give you on the first day of school.

**Note:** In the event of a student's absence it is the responsibility of the student to log in to Google Classroom to find the notes, outlines, videos, handouts, and assignments that they missed and complete all assigned work.