

**Elevate Algebra 2**  
**Instructor: Mrs. Sherri Tyson**  
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**Course Description:**

Algebra 2 takes the student beyond Algebra 1 and expands problem solving skills. The primary benefit of all algebra is problem solving...breaking larger, harder problems in smaller, easier to handle steps.

The emphasis will extend topics covered in Algebra 1. While still solving equations, Algebra 2 will emphasize functions, irrational numbers, quadratic equations and inequalities, polynomial relations and systems, trigonometry, exponential and logarithmic functions, complex numbers, probability and basic statistics.

**Schedule:**

Algebra 2 will meet on the 1st and 3rd Friday of every month from 9 a.m. to 12 p.m. We will follow the same Fall, Winter, and Spring Breaks as Sumner County Schools. If Sumner County schools are closed for inclement weather, we will be closed also. Class will meet on:

August — 15th

September — 5th, 19th

October — 3rd, 17th

November — 7th, 21st

December — 5th, 19th

January — 16th, 30th

February — 6th, 20th

March — 6th, 20th

April — 17th

May — 1st, 15th

**Virtual Office Hours:**

Office hours will be offered the 2nd & 4th Tuesdays from 10 - 11 a.m. Students will need to email the instructor by Friday of the previous week to sign up for office hours. This time is meant to serve as extra support from the teacher in-between class sessions. These office hours will take place over a zoom link which will be shared registered students of the class.

## **Supplies:**

- Three-ring binder (2 - inch)
- Loose-leaf notebook paper
- Graph paper (preferably hole punched)
- Pencils and erasers
- Ruler or straight-edge
- Pens (if preferred for note-taking)
- Calculator - a TI-83 Plus or TI-84 Plus will be very helpful (the higher level CE is not necessary. If a graphing calculator is not possible, access to DESMOS online graphing calculator is an option (using a tablet or laptop). At a minimum, a 2-line scientific calculator is necessary.

## **Grading System:**

As a homeschool parent, you have the flexibility and right to grade however you deem best for your student. The instructor will offer *suggested* grades based on student submitted coursework to help the student progress towards mastery. When grading, the instructor will offer feedback and opportunities for correction. Students are encouraged to read carefully all notes made on returned papers. **Please note: The parent or guardian will be responsible for any official recording or submission of these grades or materials to gain credit with their umbrella school.**

In general, homework/classwork is 25% of the final grade and quizzes/tests are 75%.

Grading Scale:

93 - 100% — A

85 - 92% — B

75 - 84% — C

Below 75% — student will be encouraged to rework assignments and use outside resources (i.e. Khan Academy videos) to gain more understanding of the topic.

All grades will be recorded and available for view in our Google Classroom. Once again, Parents/Guardians are welcome to do what they deem best with the suggested grades.

## **Coursework:**

Classes will consist of lectures with guided notes and numerous examples. Students are expected to stay on task and ask questions. A part of class time will be used for reviewing homework to allow students to verify their work.

## **Expectations:**

- 1. Be prepared for class.** Bring needed supplies and the completed work assigned at the previous class meeting.
- 2. Be respectful.** Do not be afraid to ask questions or request additional explanation; but recognize that your peers may need explanation of what you already understand. Be respectful of your classmates and your instructor.
- 3. Submit assignments and review feedback.** We will submit work through Google Classroom although it could entail screenshots based on the systems limitations! Be sure to submit assignments on time to give the instructor time to provide feedback.
- 4. Ask for help.** If you ever feel unsure about something or don't understand a topic, please don't hesitate to reach out. Office hours are a great way to get face time with the instructor between sessions, but feel free to email for more immediate assistance. You may also try asking your questions in Google Classroom as your peers can often help.

## **Google Classroom:**

Google Classroom is the Learning Management System (LMS) used by this instructor. This is a free and secure tool for students to use. Assignments, quizzes, and tests will all be found and recorded via Google Classroom. This tool is how the instructor and students can connect between class meetings. Students are encouraged to check their Google Classroom weekly for assignments and instructor feedback.

\*\*As with any technology and internet access, parents/guardians are encouraged to monitor this usage as they see fit. Google Classroom is secure and can only be accessed using the teacher code that will be shared with registered students and their adults. In addition, all participants in the classroom must be approved by the instructor. If a parent/guardian has any concerns or questions regarding Google Classroom security or usage, please contact the instructor.

\*\*As with any online work, there is an element of trust and supervision required. The instructor assumes that the parent/guardian will be taking measures to ensure that the work completed by their student is done in an honest manner.

## **About the instructor:**

Our high school math classes are taught by Mrs. Sherri Tyson. Mrs. Tyson has a BS in Mathematics from Blue Mountain Christian University with minors in Education and French. Mrs. Tyson worked as a bookkeeper, an accounting clerk, and as a tax preparer before going back to school to become a teacher. She taught in Hardeman County, Tennessee for two and a half years before relocating to Robertson County. Mrs. Tyson taught at Springfield High School for over 15 years; teaching nearly every math class offered at the school. Her last 10 years had her focusing on Algebra 2, Precalculus, Calculus, and AP Calculus. Since retiring from the school system, she has helped various Robertson County high schools when their math teachers were out for extended periods.

## **Teacher Contact:**

Mrs. Tyson can be reached by email at [sherri.tyson.math@gmail.com](mailto:sherri.tyson.math@gmail.com).

Should a parent/guardian have concerns or questions, they may email to the above or call or text: 615-218-57192