

# COSBY HIGH SCHOOL

## COURSE SYLLABUS

**COURSE NAME:** Algebra 2

**SEMESTER AND YEAR:** Fall 2021

**INSTRUCTOR:** Mr. Timothy Burgner, CHS 67, Phone (423) 487-5602  
E-mail address: **TBD**  
Fax: **423-487-5502**  
**Tutoring:** After School 3:15-3:45 or by appointment

**REQUIRED TEXTBOOK:** Algebra 2: Houghton Mifflin Harcourt

A TI-83, TI-83+, TI-84, TI-84+ or TI Silver Edition is needed for this course. Calculators can be checked out from the library at no charge to the student. However, all calculators checked out must be return in working order or a fee will be charged. The calculator is **NEEDED** for this course. Calculators will be available for use at **no expense** during normal class in Mr. Burgner's Algebra 1 class.

**COURSE PREREQUISITE:** Algebra 1

**COURSE DESCRIPTION:** Algebra 2 is a course that uses problem situations, physical models, and appropriate technology to extend algebraic thinking and engage student reasoning. Problem-solving situations will provide all students an environment that promotes communication and fosters connections within mathematics, to other disciplines, and to the real world. Students will use physical models to represent, explore, and develop abstract concepts. The use of appropriate technology will help students apply mathematics in an increasingly technological world. The concepts emphasized in the course include analysis of "family of functions," solving systems of equations, graphing, data analysis, and logarithmic and exponential functions. Additionally, the honors course shall include extended reading assignments that connect with the specified curriculum, oral presentations, projects that apply course curriculum to relevant or real-world situations, non-traditional testing including essays and open ended questions, hands on labs with connections to real world topics, and the integration of appropriate technology into the course of study.

### **COURSE SUPPLIES:**

**Paper**

**Pencils**

**Graph paper**

**Notebook**

**Dry erase marker**

**Colored Pencils**

**Project supplies as needed**

**Calculator (see above)**

**4 - AAA Batteries**

**Crayon/pencil box**

\* The materials in bold are required. The remaining materials are if you do not wish to share. I have a small classroom set with over 30 students sharing.

## INSTRUCTIONAL AND EVALUATION METHOD:

93 - 100% A  
85 - 92% B  
75 - 84% C  
70 - 74% D  
0 - 69% F

Quiz Average counts 40%

In-Class Exam Average counts 60%

Quiz Avg. = (sum of quiz scores) / (# homework quizzes + # in class quizzes taken)

Exam Avg. = (sum of exam scores) / (# of exams)

Class Avg. = (1<sup>st</sup> 9 weeks grade)(.5) + (2<sup>nd</sup> 9 weeks grade)(.375) + (Final exam grade)(.125)

Attendance and a well organized notebook are vital for successful completion of the course!

There will be in-class exams and a comprehensive final EOC exam. If an in-class exam is missed, the student must see the teacher on the student's 1<sup>st</sup> day back in class to schedule a date to makeup the exam.

The exam must be made up within one week of the student's return to school. If a student fails to schedule a makeup exam, the exam score becomes a zero.

Quizzes will be given throughout the semester. Quizzes can be homework assignments, scheduled quizzes, or in-class pop quizzes. Any homework or quizzes that are turned in late will have 25 point taken off of the score, and any homework or quizzes turned in without the required work will have 10 points taken off of the final score.

There will not be a makeup for in-class pop quizzes, but they will not count against the student. Students will have 3 days to turn in a homework quiz if the student is absent on the date that the quiz was assigned. If a student is absent on the day that a homework quiz is due then it is to be turned in on the day that the student returns. Regular attendance is vital to maintain a good quiz average. Each student will receive a hall/bathroom pass at the beginning of the 9 weeks. This pass can be used 3 times each 9 weeks to leave the classroom. This can be to use the bathroom, return to their locker, etc. At the end of the 9 week period, a student may return the pass to the teacher. If the pass has not been used, the student may choose to drop the 3 lowest quiz grades. A quiz grade may be dropped for each one that is unused. If a student has a medical reason to be exempt from the pass, please contact the teacher.

After each test, the student will be complete a rework of the chapter test. The rework consists of reworking each problem that you did not receive full credit for on the test. To do a rework, you will explain why you missed the problem on the test and work the problem correctly. The rework will count as a test grade. For example, if you made an 80 on the original test and correctly completed the rework, you will receive a 90 for the final test grade. You will have one week to complete a rework of the test. During this time, you may stay for tutoring to receive help or work together in groups.

The student will be given the opportunity to retake any chapter test until they receive a satisfying grade. The rework must be completely and correctly done (tutoring is encouraged) before a retake will be given.

All reworks and retakes must be completed by midterm/end of grading period whichever comes first. Work given before midterm must be completed by midterm work given after must be completed by end of nine weeks.

I am available for tutoring on most days after school. If I am not available we can arrange tutoring with another math teacher. Extra practice can be found on the Glencoe website if you have internet access.

There is a homework notebook for each class period located on the tools table. The homework assignments are listed in this book.

### **CLASSROOM RULES:**

- **Be prepared and in your seat before the bell rings. (Pencil sharpened calculator and book ready, etc.)**
- **Remain in seats until the bell rings. No clumping at the door.**
- **When the intercom comes on, be still and quiet**
- **Follow the school's hall pass policy**
- **Stay with class during drills**
- **Respect others, their property and the classroom. (the smart board is off limits without permission)**
- **Sit only at the student desks/tables**
- **The intercom phone and the thermostat box are for teacher use only**
- **No food or drinks in the classroom. (Water is permitted unless bottles are left in the room)**
- **NO CELL PHONES IN USE DURING CLASS(2021 UPDATE)**

**PLEASE SIGN AND RETURN TO Mr. Burgner:**

**Student Signature**

- I understand the required materials to bring to class everyday
- I understand the class description
- I understand the expectations listed above
- I understand the grading policy
- I understand and will follow the class rules

\_\_\_\_\_  
*Student name*

\_\_\_\_\_  
*Student signature*

**Parent/Guardian Signature**

- I will help supply my child with the needed materials
- I understand the class description
- I understand the expectation of my child in class
- I understand how my child will be graded
- I understand the class rules my child will need to follow

\_\_\_\_\_  
*Parent or Guardian name*

\_\_\_\_\_  
*Parent or Guardian signature*

**Parent/Guardian Contact Information**

Name:

Address:

Phone (that you can be reached at during the day or I can leave a message):

Email Address: