



Chandler Unified School District

MAT300A Algebra 2

SY 2023-24



Course Overview

Course Description

This course is the third year of an integrated study of mathematics. Explores how to model and solve real-life situations dealing with such topics as probability, statistics, algebraic functions, geometry, and an introduction to trigonometry. Students will use the standards for mathematical practice to engage with the subject matter.

AP/IB/Dual Enrollment

No

Prerequisite/Fee(s)

Geometry

Course Materials

- Binder (1" - 1 ½") and/or Folder for Math papers only
- Notebook Paper- Loose leaf or perforated notebook
- Pencil with eraser. Any work handed in must be completed in pencil.
- Colored writing utensils for notes- pen, colored pencils, highlighter
- A calculator is highly recommended but not required.
(Recommended Graphing Calc: any TI-83 or TI-84 or Scientific Calc: any TI-30)

Adopted Resource(s)

Big Ideas, Larson & Boswell (Cengage) & AGA, Kanold, Burger, Dixon, Larson, & Leinwand (HMH)

**An asterisk will indicate a resource containing sexually explicit materials per legislative definitions. CUSD has determined that all resources listed above are of exceptional educational value.*

Site and Faculty Information

School name and address:

Hamilton High School, 3700 S Arizona Ave, Chandler, AZ 85248

Building principal:

Michael Delatorre
delatorre.michael@cusd80.com

Teacher:

Mr. Matthew Monahan BA Mathematics (Ms. Constance Co-teacher periods 3-4 MEd Curriculum & Instruction, BAEd Special Education)

monahan.matthew@cusd80.com

Office hours: Monday and Wednesday 2:20-3:00

Course Access

This course is taught in-person at Hamilton High School. Students will have access to the curriculum and instruction in the classroom. Google Classroom is the primary location for students to access material when absent from classes taught in person.

Help

Academic Support

- Contact the teacher to schedule an appointment during office hours

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- [Ed Tech](#) support for students, parents/guardians, and community link (cusd80.com/Page/45109)

Mental Health Support

- CUSD mental health support cusd80.com/Domain/10528 or 480-573-8808 (talk or text)
- Suicide & Crisis Lifeline: 9-8-8 hotline
- 24-hour Crisis Line Talk: 602-222-9444, Text: 741-741

Student Conduct, Success, and Responsibilities

Student Handbook

Students must follow the policies and procedures established in the Student Handbook. Copies of the handbook can be found at cusd80.com/handbooks. Printed copies will be provided upon request.

Student Responsibilities

Class Notes:

- Students are expected to take accurate and detailed class notes.
- All notes for each unit must be kept in student's math binder at least until the Unit Test has been taken.
- It is expected that notes are made-up when absent from class. Ask your teacher or a classmate for keys to notes.

Homework Guidelines:

- Homework will be assigned daily and due the next class. Late work will be accepted for ½ credit up to the test date for the corresponding unit.
- Homework for each unit must be kept organized in math folder/binder until the Unit Test is taken.

How is Homework Graded? Homework is "graded" on effort and completion.

- All work must be completed in pencil.
- Student work must follow the directions and include appropriate work to make the method of solution clear. A list of answers is not acceptable.

Tests and Quizzes: It is expected that students properly prepare for tests and quizzes. At a minimum, students must complete, check, and correct their homework and reviews. Additional studying is necessary!

*Group tests may be offered for some of the units prior to the individual Unit Test. In order to take part in the group test, all homework must be completed prior to the day of the group test. Students that fail to complete all the homework will take the group test on their own.

*****Note: There are no retakes/corrections on tests or quizzes!!!*****

Quiz Grade Replacement: If a student has completed ALL homework leading up to a Unit Test and their TEST grade is higher than the quiz(zes) pertaining to the test, the quiz grade(s) will be replaced with the test grade. The student must initiate this change within 2 weeks of the test score being posted.

Rules and Consequences:

Respect of self, others and property is expected of all students. All classroom rules will be in compliance with the school rules, which are detailed in the student handbook. Some specific guidelines include:

- A positive attitude and engagement in lessons is a must! (no sleeping)
- No non-educational electronic devices such as cell phones may be used during class time unless permission is given by teacher for educational purposes. The teacher has the right to confiscate any device when being used outside of these guidelines at any time.
- No negative talk toward others or in general. (no profanity)
- No food, drinks, or gum allowed in the classroom- you may only bring water.

The following chain of consequences will be followed for classroom rule violations:

- 1st Offense: Verbal warning and noted
- 2nd Offense: Parent/Guardian Contact

3rd Offense: Referral to administration

* Depending on the severity of the situation, a referral may occur at any time.

Academic Integrity: Cheating of any sort is regarded as academic dishonesty and will have natural and direct consequences. Cheating includes, but is not limited to: copying a friend's homework, letting a friend copy your homework, talking about a test to a student who has yet to take it, using unacceptable materials (i.e. cell phone, tablet, note sheet, etc.) during a test, looking at a neighbor's test, or talking during a test or quiz. Any of the aforementioned instances will result in receiving a score of "0" for any party involved in the activity and referred to an administrator.

Late work

Make-Up Procedures due to an ABSENCE: In order to make up any work due, completed, or assigned on a day of an absence, the absence must be excused. No credit will be awarded for missed work as a result of an unexcused absence.

- It is the student's responsibility to pick up missed work from the designated area in the classroom.
- The student has an equal number of days to make up any missing assignments, tests, quizzes, or projects equal to the number of days their absences were excused (students will not be reminded that they are missing work).
- It is the student's responsibility to turn in the missing assignments by the prescribed time, or he/she/they will receive a zero (this also applies for tests & quizzes).

*Note: If a student is unexpectedly gone on the day of a test or quiz and was present immediately preceding the test or quiz, it can be expected that he/she/they will make up the test or quiz during the class period of his/her/their return.

Assessments and Assignments

Students will complete assessments during each unit of study to assess their understanding. Students will complete the CUSD Common Final at the end of the first and second semesters. The Common Final will count for 20% of the student's final semester grade in grades 9-12 and 10% in grades 7-8 (some exceptions may apply at the Junior High level). Common finals will be in ELA, Math, Science, Social Science, and World Language.

Final exams will be given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

If students are requested to participate in a survey, the survey questions will be provided to parents/guardians seven days before student contact.

Grading

Grade Percentage

A	B	C	D	F
90% - 100%	80% - 89%	70% - 79%	60% - 69%	<60%

Quarter grades

Quarter Grade Components	
Homework/Participation	20%
Quizzes/Tests	80%

Semester grades

Semester grades are calculated using 40/40/20: Each quarter accounts for 40% of the semester grade and the final exam accounts for the remaining 20%.

Units of study

Units for MAT300A Algebra 2

Functions

Quadratic Functions

Polynomial Functions

Rational Functions

Radical Functions

Exponential and Logarithmic Functions

Trigonometric Functions

Probability

Statistics

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Parent/Guardian

Acknowledgment

Parents/Guardians should indicate if they “Acknowledge” or have a “Potential Conflict” with their student’s participation in the following units by checking the appropriate box for each unit of study listed. Students cannot opt out of a standards-based unit. Marking “Potential Conflict” will prompt the teacher to make contact regarding assignment alternatives.

Unit of study	Acknowledge	Potential Conflict
Functions	<input type="checkbox"/>	<input type="checkbox"/>
Quadratic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Polynomial Functions	<input type="checkbox"/>	<input type="checkbox"/>
Rational Functions	<input type="checkbox"/>	<input type="checkbox"/>
Radical Functions	<input type="checkbox"/>	<input type="checkbox"/>
Exponential and Logarithmic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Trigonometric Functions	<input type="checkbox"/>	<input type="checkbox"/>
Probability	<input type="checkbox"/>	<input type="checkbox"/>
Statistics	<input type="checkbox"/>	<input type="checkbox"/>

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By signing and returning this form, the parent/guardian acknowledges they have reviewed the resources and units of the study included in the syllabus.

- As the parent/guardian, I understand that I may contact the teacher if I have questions about the resources, content, or units of study.
- As the parent/guardian, I understand I can check my student’s grades in Infinite Campus anytime during the school year.

Student name (printed)

Student signature

Parent/Guardian name (printed)

Parent Signature

Date

Please return this page to your student’s teacher.