



Chandler Unified School District

MAT305A Honors Algebra 2

SY 2023-24



Course Overview

Course Description

Explores how to model and solve real-life situations dealing with such topics as probability, statistics, algebraic functions, geometry, and an introduction to trigonometry. This course provides a more rigorous approach to the topics covered in Algebra 2 as preparation for AP or IB programs. 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

- 3 ring binder with loose leaf paper
- Pencil and eraser (all work needs to be done in pencil)
- Printable notes (optional)
- Graphing Calculator – Much of the work in this course can be greatly simplified with the access to a TI-83 or TI-84 calculator. (My demonstrations will be done using a TI-84)

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:

Perry High School, 1919 E Queen Creek Rd, Gilbert, AZ 85297

Building principal:

Heather Patterson
patterson.heather@cusd80.com

Teacher:

Rebecca Ridenour M.S. Mathematics
ridenour.rebecca@cusd80.com

Office hours: 2:15pm-3:15 pm the days will vary and will be posted weekly.

Course Access

This course is taught in-person at Perry 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
- [Ed Tech](#) support for students, parents/guardians, and community link (cusd80.com/Page/45109)

Mental Health Support

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- 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

Students should show up to class on time every day. They are expected to participate, take notes, and complete homework assignments. If they are struggling, it is their responsibility to attend tutoring or ask for help. Cellphones and headphones should be put away during class. Cheating and unexcused absences will result in a 0 on the assignment or assessment and maybe referred to administration. Reviews will be posted in advance so if a student is absent on a review day they should still be prepared to take the test on the original date.

Late work

Late work will be accepted for half-credit up until the day of the chapter test. Once a chapter has been completed, late work will no longer be accepted and will be entered as a zero. If you miss a review day, you will still be expected to take the test/quiz on the scheduled test/quiz day. Test and quizzes will be posted a week in advance.

Absent work should be completed in a timely manner. Failing to do so could result in falling behind in class. District policy is that students get an extra day for each absence they were excused for. Unexcused absences or tardies may result in no credit on assignments or assessments.

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

The grades for this class are cumulative throughout the semester.

- Homework/ Warm-up 20%
- o Graded on completion.
- o You're responsible for attempting ALL problems.
- o Will be turned in daily.
- o Weekly open note (paper only) homework quizzes.
- Assessments/Projects (chapter quizzes and tests) are 80%

Semester grades

Semester grades are calculated using 80/20: A combination of the two quarters accounts for 80% of the semester grade and the final exam accounts for remaining 20%.

Units of study

Units for MAT305A Honors Algebra 2

Linear Functions

Matrices and Linear Programming

Quadratic Functions

Quadratic Equations and Complex Numbers

Conics

Polynomial Functions

Rational Functions

**An asterisk will indicate a unit of study containing sexually explicit materials per legislative definitions.*



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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
Linear Functions	<input type="checkbox"/>	<input type="checkbox"/>
Matrices and Linear Programming	<input type="checkbox"/>	<input type="checkbox"/>
Quadratic Functions	<input type="checkbox"/>	<input type="checkbox"/>
Quadratic Equations and Complex Numbers	<input type="checkbox"/>	<input type="checkbox"/>
Conics	<input type="checkbox"/>	<input type="checkbox"/>
Polynomial Functions	<input type="checkbox"/>	<input type="checkbox"/>
Rational Functions	<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.