



Chandler Unified School District

MAT200B Geometry
SY 2023-24



Course Overview

Course Description

This course is the second year of a standards-based mathematics curriculum. Students will examine rigid transformations, prove geometric theorems, similar and congruent figures, parallel and perpendicular lines with transversals, intro to trigonometry, and properties of circles. Students will analyze the attributes and properties of two and three-dimensional shapes and develop mathematical arguments about their relationships. Students will learn to use logic, reasoning, and mathematical proofs to evaluate situations and select problem-solving strategies. Students will use the standards for mathematical practice to engage with the subject matter.

AP/IB/Dual Enrollment

No

Prerequisite/Fee(s)

MAT100 Algebra 1

Course Materials

Binder, Slide N Measure Compass (sold at the bookstore for \$2), Scientific Calculator, Colored Pencil/Pens OR Highlighters

Adopted Resource(s)

Big Ideas, Larson & Boswell (Cengage), or AGA, or 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:

Joanna Castillo BA, MEd
castillo.joanna@cusd80.com

Office hours: Tuesdays and Wednesdays 2:15-3pm

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
- [Ed Tech](https://cusd80.com/Page/45109) 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

Cheating is not acceptable and consequences will be enforced. Both parties who participate in cheating will receive a zero on the assignment and be referred to administration.

After three tardies, student will receive a warning. After five tardies, Saturday school will be assigned.

No personal electronics will be allowed in class. If a student uses their personal electronic(s), they will be confiscated and turned into school security. Please refer to the CUSD Student Handbook for further information and consequences.

Late work

Late work is accepted until the day of the test of the current module(s). The highest grade a student can earn on late work is 70%

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

Tests: 50% of grade

Quizzes: 30% of grade

Homework: 20% of grade

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 MAT200B Geometry

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Module 11: Similarity and Transformations

Module 12: Using Similar Triangles

Module 13: Trigonometry with Right Triangles

Module 15: Angles and Segments in Circles

Module 16: Arc Length and Sector Area
Module 17: Equations of Circles
Module 18: Volume Formulas
Module 19: Visualizing Solids
Module 20: Modeling and Problem Solving



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Teacher: Joanna Castillo, castillo.joanna@cusd80.com

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
Module 11: Similarity and Transformations	<input type="checkbox"/>	<input type="checkbox"/>
Module 12: Using Similar Triangles	<input type="checkbox"/>	<input type="checkbox"/>
Module 13: Trigonometry with Right Triangles	<input type="checkbox"/>	<input type="checkbox"/>
Module 15: Angles and Segments in Circles	<input type="checkbox"/>	<input type="checkbox"/>
Module 16: Arc Length and Sector Area	<input type="checkbox"/>	<input type="checkbox"/>
Module 17: Equations of Circles	<input type="checkbox"/>	<input type="checkbox"/>
Module 18: Volume Formulas	<input type="checkbox"/>	<input type="checkbox"/>
Module 19: Visualizing Solids	<input type="checkbox"/>	<input type="checkbox"/>
Module 20: Modeling and Problem Solving	<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.