



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

Graphing Calculator

Laptop/Chrome Book

Pencil (all homework, tests, and quizzes MUST be completed NEATLY in PENCIL.)

Paper (loose-leaf binder)

Notes

Adopted Resource(s)

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

**An asterisk indicates a resource containing sexually explicit materials per legislative definitions. CUSD has determined that all the above resources 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:

Thomas Rothery Ph.D.

rothery.thomas@cusd80.com

Office hours: 2:15 pm to 3:00 pm

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

- 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 in the [Student Handbook](#). Copies of the handbook can be found at <https://www.cusd80.com/Page/533>, and printed copies will be provided upon request.

Student Responsibilities

Students are expected to arrive to class on time and should be sitting in their seats when the bell rings. All cell phones and other forms of personal technology are to be put away for the duration of the class period. Students are asked to bring the required materials to class, to be actively engaged during the lesson, and to work on assignments when time permits.

1. Progress Reports: Progress Reports are submitted on Infinite Campus each quarter.

2. Cheating: Cheating is defined as:

A. On tests/quizzes

- i. viewing another student's work
- ii. talking during a test period
- iii. helping another student on an evaluation
- iv. using unauthorized reference materials
- v. using unauthorized materials on a graphing calculator
- vi. having a cell phone out during a quiz, test, or exam

B. On homework

- i. copying another student's work
- ii. turning in another student's work
- iii. giving your paper to another student

C. On group work

- i. not contributing to the group's effort
- ii. using the work of another group
- iii. giving another group your group's work

STUDENTS CAUGHT CHEATING WILL NOT BE GIVEN ANY CREDIT ON THE PARTICULAR ACTIVITY IN QUESTION.

3. The use cell phones, and other listening devices are not permitted during class.

Late work

Late work is not accepted.

Assessments and Assignments

Students will complete assessments during each unit of study to assess their understanding. At the end of the first and second semesters, students will complete the CUSD Common Final. 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 90% - 100%
- B 80% - 89%
- C 70% - 79%
- D 60% - 69%
- F <60%

Quarter grades

1. Tests: Tests will be given at the end of each chapter or unit. Make-ups for absentees will be given during non-class hours and within a number of days' instruction missed. Tests are worth 100 points each.
2. Quizzes: Quizzes will be given with regularity. Make-up quizzes will be given in the same manners as tests. Quizzes are worth 10-50 points each.
3. Homework: Homework will be assigned 4-5 times weekly and will be checked at the beginning of the class period. Homework should be kept separate from notes. Daily homework scores are worth 10 points each. Homework must be completed on loose-leaf paper and must be done in pencil.
4. Projects: Projects will be given throughout the year. They are worth 250 points.
5. Participation: Each student will begin the semester with 50 points. For each day that the student has an unexcused tardy, has an unexcused absence, or forgets his/her materials, 2 points will be deducted from the original 50 points. At the end of the semester, a score out of 50 points will be averaged into the student's grade.
6. Quarter Grades: The quarter grade will be based on the percent determined by the number of points earned divided by the number of points possible.

Grading Scale:

- 90-100% A
- 80-89% B
- 70-79% C
- 60-69% D
- 0-59% F

7. Semester Grade: While quarter grades are given, grades are progressive throughout the duration of the semester. Semester grades are determined by the approximate breakdown (Homework-16%, Quizzes, Tests, and Projects-64%, and the Semester Exam-20%)

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 MAT200 Geometry

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

Basic of Geometry

Parallel and Perpendicular Lines

Transformations

Congruent Triangles

Relationships with Triangles

Signature Page - Please return this page to your student's teacher.



Chandler Unified School District

MAT200 Geometry
SY 2024-25



Site: Perry High School

Building Principal: Heather Patterson, patterson.heather@cusd80.com

Teacher: Thomas Rothery, rothery.thomas@cusd80.com

Parent/Guardian

Acknowledgment

Parents/Guardians must specify their approval by selecting "Acknowledge" or "Potential Conflict" for their student's involvement in the units of study. Please note students cannot decline participation in standards-based units. The teacher will reach out regarding options if "Potential Conflict" is selected.

Unit of study	Acknowledge	Potential Conflict
Basic of Geometry	<input type="checkbox"/>	<input type="checkbox"/>
Parallel and Perpendicular Lines	<input type="checkbox"/>	<input type="checkbox"/>
Transformations	<input type="checkbox"/>	<input type="checkbox"/>
Congruent Triangles	<input type="checkbox"/>	<input type="checkbox"/>
Relationships with Triangles	<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 I may contact the teacher with questions on resources, content, or units of study at any time during the school year and view my student's grades in Infinite Campus.

Student name (printed)

Student signature

Parent/Guardian name (printed)

Parent Signature

Date

Please return this page to your student's teacher.