



OnRamps College Algebra 2025-2026 Instructional Plan

Created on August 6, 2025

Contact Information

Teacher Name: Danielle Pinter

Email: danielle.pinter@midlandisd.net

Phone: 432-240-8700

COURSE DESCRIPTION

In College Algebra, you will deepen your critical thinking skills and develop your ability to persist through challenges as you explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. You will analyze data algebraically and with technology while developing your knowledge of properties of functions, matrices, systems of equations, and complex numbers. The pedagogy of the course, Inquiry-Based Learning, encourages you to take an active role in the construction of your learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling.

COURSE ACTIVITIES

Below you will find descriptions of the most common activities that students will participate in during the course of each semester.

Throughout the year, students will:

- The overall goal is to “do” mathematics—that is, to engage in thinking about the connectedness that exists between various basic areas of mathematics.
- You should work to provide rigorous arguments at different levels that support the development of these connections.
- The hope is that you will more deeply understand the discipline of mathematics and the fact that if one does not ask “why” when engaging in “doing” mathematics, then the processes experienced are strictly mechanical.

GRADES on the HIGH SCHOOL SIDE - Click here for → [YWLA Grading Policy](#)

Major (Test, Projects, Writing): 60%

Minor (Notes, Daily Work): 40%

GRADES on the COLLEGE SIDE

Exams: 75%

Exercise Assessment: 10%

College Homework: 8%

Learning Strategies: 5%

Orientation: 2%



OnRamps College Algebra 2025-2026 Instructional Plan

Created on August 6, 2025

Classroom Resources (examples below)

- UT Austin OnRamps College Algebra Curriculum
- Canvas online learning platform

COURSE OBJECTIVES AND TOPICS (CED Breakdown and Description)

- Unit 1 Thinking Like a Mathematician
- Unit 2 Functions – Exam 1 covers Unit 1 & Unit 2
- Unit 3 Systems
- Unit 4 Matrices – Exam 2 covers Unit 3 & Unit 4
- Unit 5 Quadratic Functions
- Unit 6 Complex Numbers – Exam 3 covers Unit 5 & Unit 6
- Unit 7 Polynomial Functions
- Unit 8 Modeling and Data Analysis – Exam 4 covers Unit 7 & Unit 8
- Unit 9 Rational and Radical Functions – Exam 5
- Unit 10 Exponents, Logs, and e – Exam 6
- Unit 11 Sequences and Series (not assessed for the college course)

Anything else you want to include for your course:

- **PLEASE READ THE COLLEGE SYLLABUS THOROUGHLY FOR ALL INFORMATION REGARDING THE COLLEGE SIDE OF THIS COURSE. This is attached in Canvas.**
- Late work is not allowed on assignments. Any extenuating circumstance will be reviewed on a case-by-case basis between the high school Instructor and OnRamps Course Staff.
- OnRamps College Algebra does not allow any retake assessments to improve the college grade.
- College Exams occur roughly once every five weeks and cover one to two units per exam. You may not collaborate with anyone or use any notes on College Exams. Unless specifically stated in the exam instructions, calculators are not allowed. Occasionally, exams may allow the use of a calculator; this excludes any calculators that provide steps or explanations.
- You must only receive access codes for exams from the high school Instructor. You must only complete exams with your high school Instructor's knowledge and supervision.
- You who are absent for school-related reasons must take the exam within two school days before or two school days after their section takes the exam.
- You with extenuating circumstances, such as a medical or family emergency, must make up the exam within five school days of the student's return to school.
- You should coordinate with your high school Instructor regarding absences
- Unit Exercise Assessments are taken in Canvas after each College Exam. Exercise Assessments should be taken outside of class within the given window. You are allowed to use notes and collaborate on Unit Exercise Assessments.



OnRamps College Algebra 2025-2026 Instructional Plan

Created on August 6, 2025

- College Homework Assignments are completed in Canvas throughout the academic year. College Homework Assignments are graded based on completion. You are allowed to use notes and collaborate on College Homework Assignments.
- OnRamps Learning Strategies Modules will take place in three phases: at the beginning of the year, after the first exam, and at the beginning of the Spring Semester. These modules are graded based on completion.
- The OnRamps Orientation is taken once at the beginning of the year. The OnRamps Orientation is graded based on completion.

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!

Danielle Pinter