



OnRamps College Algebra (ORCA)

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Remind: 3rd period – Text @g6egghbkhe to 81010 (if you are not already on Remind 101)

6th period - Text @kca62kd224 to 81010 (if you are not already on Remind 101)

7th period – Text @g2b7f8be42 to 81010 (if you are not already on Remind 101)

Conference Period: 11:50 -12:40 pm

Tutoring Opportunities: Monday, Thursday, Friday 8:30 – 9:00 am; Monday 4:30 – 5:00 pm; other afternoons by appointment only

Class Materials:

- Laptop (No Phones)
- Pencils (You will be erasing a lot!)
- Eraser (mistakes do happen – that’s how we learn)
- 1 inch binder (for individual Units) – You will be given an OnRamps “textbook” and a 2-inch binder.
- Expo Marker/Highlighters
- 1 ream colored paper (pastel colors – yellow, pink, lavender, blue, green, etc.) for OnRamps Note pages
- Hand Sanitizer
- 1 box tissues
- ***Students enrolled in a high school level math course (including middle school algebra), Chemistry, or Physics will be using a Texas Instruments TI 84 PLUS or a TI 84 PLUS CE graphing calculator. This calculator can be found online and in many stores that sell school supplies. The calculator can be used throughout all high school courses a child attends during their enrollment. If you have any specific questions or concerns, please contact me at hallen@ems-isd.net - ****NOTE: ONRAMPS COLLEGE ALGEBRA IS A COURSE WITH NO CALCULATOR USAGE ON TESTS. MOST ASSIGNMENTS AND EXERCISES WILL BE DONE WITHOUT A CALCULATOR IN ORDER TO PREPARE FOR THE COLLEGE EXAMS. THIS IS A UNIVERSITY OF TEXAS REQUIREMENT FOR THE COURSE.***

Access to Canvas and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.

- You will have a separate UT OnRamps Canvas Course, different from the EMS-ISD course. This Canvas course is where you will access all your OnRamps assignments/quizzes/exercise assessments/exams, etc. You will use your UT login to access the college course.

Course Description:

In OnRamps College Algebra (Texas Core Curriculum Code 020, TCCN Code Math 1314), students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. The pedagogy of the course, Inquiry-Based Learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling.

Course Goals:

The overall goal is to **have students “do” mathematics** - that is, to have students engage in thinking about the connectedness that exists between various basic areas of mathematics. Students should work to **provide rigorous arguments** at different levels that support the development of these connections. The hope is that students 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.**

By the end of this course, you will have a deeper and more connected understanding of the following:

- Function Families: Linear and Absolute Value Functions; Quadratic and Cubic Functions; Polynomial, Rational, and Radical Functions; Exponential and Logarithmic Functions
- Function Compositions, Transformations, and Inverses
- Matrices and Systems of Equations and Inequalities
- The Complex Number System
- Modelling, Data Analysis, and Function Regression
- Sequences, Series, and the Binomial Theorem

Student Evaluation:

The **High School** grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor
- Major grades – tests (including curved OnRamps Exams, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum four per six weeks
- Semester exams will count 1/7 of the semester grade
- A letter system (S, N, U) is used to report a student’s conduct based on proper/responsive conduct and citizenship

Per Board Policy EIA (LOCAL), “The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments, quizzes, six-week test, and semester final examinations. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%. Official grades will be in Skyward only and can be accessed by student and parent through Family Access.

Assignments, exams, expectations outside of the classroom:

Assignment are available on Canvas. Students will login with their UT EID and password to <https://onramps.instructure.com>. The Dashboard will have three Canvas courses – a College page, a High School page, and an OnRamps Orientation page. The High School page will be used for High School assignments, quizzes, and tests. The College Canvas page will be used for college assignments, exercise assessments and tests. The OnRamps Orientation must be accessed to complete the OnRamps Orientation assignment.

Attendance/Tardy Policy/Make-Up Work:

Students will not be allowed in the room after the bell rings without a yellow pass or a tardy kiosk pass. Attendance is extremely important in this class as we cover a new topic almost every day. Assignments are available on OnRamps Canvas. If a student is absent, they are responsible for completing the missed assignment. Students will have one day plus the number of days missed to complete the work that was missed when absent.

Classroom Expectations:

- **Class Participation.** Participation with peers is a crucial feature of this course. Presenting work to and with the class is also an expectation. Your completion of Explorations will be assessed periodically through the Exploration Assessments.
- **Behavioral expectations.** Students should conduct themselves in a collegial manner with your peers and instructor.
- **Class attendance.** Attendance is critical to the learning in this course. If an absence is expected, then arrangements should be made prior to the absence.

Preliminary Schedule of Topics, Readings, and Assignments

A calendar for the six weeks will be provided in Canvas at the beginning of each six weeks – note that the schedule is tentative and can shift depending on how the class is progressing.

Academic Integrity:

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.