



COURSE OUTCOME

■ Course Description

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, radical, and trigonometric functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

■ Topics Covered

Sequences, Series, & Summations
Quadratic Functions & Equations
Polynomial Functions & Equations
Rational Functions & Equations
Radical Functions & Equations

Exponential Functions & Equations
Logarithmic Functions & Equations
Trigonometric Functions & Equations
Probability and Statistics

■ State Math Standards

[Tennessee Standards for Mathematics](#)

■ Knox County Algebra II Curriculum & Pacing Guide

[Knox County Schools Mathematics](#)

■ Religious Texts

The Knox County School Board affirms that it is essential that the teaching about religion—and not of a religion be conducted in a factual, objective and respectful manner in accordance with the following:

1. Music, art, literature, or drama with a religious theme or basis are permitted as part of the curriculum for school-sponsored activities and programs provided it is essential to the learning experience in the various fields of study and is presented objectively;
2. The emphasis on religious themes in the arts, literature and history shall be only as extensive as necessary for a balanced and comprehensive study of these areas. Such studies shall never foster any particular religious tenets or demean any religious beliefs; and
3. Student-initiated expressions to questions or assignments, which reflect their beliefs or non-beliefs about a religious theme, shall be accommodated. For example, students are free to express religious belief or non-belief in compositions, art forms, music, speech and debate.

INSTRUCTION

Supplies

- 3-ring notebook with dividers (warm ups, class notes, practice (homework), quizzes, and ACT)
- notebook paper/graph paper
- pencils
- TI-84 Plus CE graphing calculator (used for demonstrations on the Promethean Board) or TI-Nspire CX CAS
- A donation of tissues, wet wipes, graph paper or a pack of pencils is greatly appreciated

Resources

- Textbook - *Algebra II* published by Pearson, 2011
- Deltamath.com

School Fee and Donation

Honors Math Fee: \$20. Fee will be used to cover costs associated with essential materials such as Promethean Board usage, projector bulbs, supplemental materials, copy paper, ink, white board supplies, and other necessities for instruction.

*** NOTE: Knox County uses an **online payment system** which allows parents/guardians to pay all fees in one place without an additional charge for paying online. **This class does have a fee.**

ASSIGNMENTS AND ASSESSMENT

Grading Policy/Rubrics

Grades will be determined by a point system:

Tests	60% of final grade
Homework/Classwork/Quizzes	25% of final grade
End of Course Exam - Pearson TNReady	15% of final grade

Knox County Schools Grading Scale

A: 93-100 B: 85-92 C: 75-84 D: 70-74 F: Below 70

Practice Problems

Practice problems will be assigned daily. Completion of these problems is essential to be successful. Students must show their work to receive credit.

Make-Up Work Policy

Students are responsible for all tests, class work, and practice problems assigned when absent. Class notes can be found on the class Canvas page. Handouts will be given to students upon return to class. Students should make arrangements within 3 days after returning to submit missed assignments and schedule a makeup test, if necessary. The make-up test will not necessarily be the same test in order to ensure test validity.

Aspen

As assignments are graded, the online gradebook, Aspen, will be updated at least weekly. Parents and students can and should access current grades on Aspen throughout the semester.

■ **Late Work Policy**

Late work is accepted for 75-80% of the possible points.

GENERAL EXPECTATIONS FOR STUDENTS

■ **Academic Expectations**

Students are expected to come to class prepared with practice problems, pencils, notebook with paper, and a graphing calculator. During class, students are expected to participate by taking notes, answering questions, and asking questions as needed. If a student is struggling, he or she should seek help by asking questions in class, attending tutoring sessions, or meeting with me before or after school. Students are expected to work hard and do their best to succeed.

■ **Knox County Plagiarism Policy**

According to the Harbrace Handbook, 15th edition:

"Plagiarism is defined as presenting someone else's ideas, research, or opinion as your own without proper documentation, even if it has been rephrased. It includes, but is not limited to the following:

1. Copying verbatim all or part of another's written work;
2. Using phrases, figures, or illustrations without citing the source;
3. Paraphrasing ideas, conclusions, or research without citing the source;
4. Using all or part of a literary plot, poem, or film without attributing the work to its creator."

NEW:

FHS Academic Integrity Policy

1st Offense	<ul style="list-style-type: none">• Teacher will put infraction into the Aspen discipline system.• Teacher will put a note in the online gradebook for the assignment.• Teacher will contact parents, administration, and guidance.• No formal discipline.• Student may earn a maximum of 50% on the assignment.
2nd Offense	<ul style="list-style-type: none">• Teacher will put infraction into the Aspen discipline system.• Teacher will put a note in the online gradebook for the assignment.• Teacher will contact parents, administration, and guidance.• No formal discipline.• Student earns a zero on the assignment.
3rd Offense+	<ul style="list-style-type: none">• Teacher will put infraction into the Aspen discipline system.• Teacher will put a note in the online gradebook for the assignment.• Teacher will contact parents, administration, and guidance.• Student earns a zero on the assignment.• Administration will discipline student in accordance with KCS policy.

■ **Attendance and Tardy Policies**

To do well in this class, students MUST be present. If a student is absent, he or she is responsible for their make-up work. Tardies will be recorded and handled according to the FHS policy. As a general rule, no student will be excused from class during the first or last 15 minutes of each block. If you have a medical condition which requires frequent trips to the restroom a doctor's note would be helpful.

■ Classroom Policy/Procedures

- Follow ALL FHS policies outlined in the Student Handbook (attendance, tardy, cheating, harassment, dress code, behavior, etc.).
- **Act respectfully** toward the teacher, fellow students, school property, and the learning process.
- Be prepared for class when the bell rings: in your seat with book, notebook, calculator, and a sharpened pencil.
- Work on tests/quizzes must be completed in pencil.
- No food except bottled water is allowed in the classroom, please.
- Cell phones and other electronic devices must be put away during class.

■ Behavior

I expect students to be well behaved. Disruptions in the classroom affect the learning process of all students and will not be tolerated. Parents will be notified if their child is causing disruptions and/or appropriate consequences will be assigned. Automatic detentions will be assigned for the following behaviors: leaving your seat before the bell rings/or standing by the door, speaking disrespectfully to the teacher or other adult in the classroom, and off-task behavior in the classroom, and for causing disruptions.

TEACHER COMMUNICATION

■ Contact Info

Email: connie.vavalides@knoxschools.org

School phone: 966-9775

My plan is 2nd Block (10:00 - 11:30) daily.

■ Extra Help

I'm available to provide extra help most mornings at 8:05 AM in my classroom, Room O212.

Additionally, I will be available at 3:30 a.m. daily until 4:00 or later by appointment.

■ Class Canvas Page

Daily class notes, handouts, upcoming test and other important information will be posted on the class Canvas page.

I look forward to meeting you at Open House, Thursday, August 20!

Please remember to take the Canvas quiz in the "Beginning of Semester" Module.