

Austin-East Magnet High School

Algebra 2

Instructor: Desiree Seay

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Welcome to Algebra II. I am excited to get to know all of you. I hope that you will grow in your love for mathematics this semester. Please keep in mind that we are all working towards mastery on the End of Course (EOC) exams for county credit. The focus of this class is the successful attainment of Proficiency or better on the county EOC exam. If you have any questions regarding any of the information you have been given, please feel free to contact me at the above email address or phone number.

Course Description:

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical 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 Mathematical Practice Standards 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.

TN Standards:

http://www.tn.gov/education/standards/math/algebra_II.pdf

Required Text:

Prentice Hall, Algebra 2 (Tennessee Edition) provided for in-class use.

Other Resources:

Throughout the course of study, students **may** view films, film-clips, documentaries or educational programming directly correlated to their study, if time permits. All audio-visuals will comply with Knox County Schools guidelines. Possibilities include the following:

- Appropriate YouTube clips, TeacherTube clips, MathTV clips, PBS, and Khan Academy

Alternate Assignments/Activities:

If you do not approve of a specific resource listed in the syllabus or Canvas, please make your request to me in writing/email and an alternative assignment will be provided for equal credit. The request should include your name, the child's name, the specific activity/materials in which you do not want your child to participate or to which you do not want them exposed, and the nature of your objection per Knox County Policy.

Class Materials:

- 3-Ring Binder
- Loose-Leaf Notebook Paper
- Pencils
- TI-84 Plus (provided)

Course Fee:

Austin-East Magnet High School has a \$10 math fee for Algebra II.

Category	Percentage weight
End of Course Exam	25%
Module Exams	30%
Quizzes	20%
Coursework/Classwork	15%
Projects/Tasks	10%
Total	100%

Skills Assessment:

Because of the variety of skills covered in this course; a variety of techniques will be used to assess them. A mix of both formative assessments (such as quizzes and other checks for understanding) and summative assessments (such as unit exams and other written products) will be utilized to determine your students understanding of the content being taught. It is also important that a student tell me if he/she does not understand the material.

Knox County Grading Scale	
Grade	Percentage
A	93 – 100
B	85-92
C	75-84
D	70-74
F	< 69

Course work and Grading:

A student's grade is determined by the course work done in the classroom and the End of Course Exam (EOC) given by the State of Tennessee. Grades will be provided to the student when the assignment is given back. The Knox County Grading Scale will be used for this class. It is recommended that to be successful, and student strives to maintain an 85% in the class at all times. 85% is considered by the state of Tennessee as being proficient on the Algebra II TN Ready Exam.

Technology:

Austin-East has selected to emphasize the school-wide use of interactive multi-media sources in order to enhance one-to-one technological instruction in the classroom and beyond. In an effort to support academia the mathematics department has opted to specifically use Canvas as all-in-one solutions for the synchronized use of iPads in the classroom that makes lectures more engaging through interactive multimedia presentations, activities, and assessments. With these sources, teachers can create mobile presentations, engage students in class, and assess them in real time. Throughout the entirety of this course, teachers will deliver their existing content through mobile (iOS or Android) devices and get instant feedback from students through interactive features like polls, quizzes, practice activities, and supplemental instruction.

Aspen – Aspen is the gradebook program for Knox County Schools. It provides teacher, students and parents access to student grades.

Canvas – Canvas is a learning management system which will provide instructors with a way to create and deliver content, monitor student participation, and assess student performance. Using this system I will be able to post all lectures, notes, and assignments online for unlimited access. Grades can also be checked through Canvas. <https://knoxschools.instructure.com/login/ldap>

Expectations:

Austin-East Magnet High School has very clear expectations for our students. These expectations set the stage for success in the classroom. All school rules, policies, and/or procedures will be followed in my classroom.

SCHOOL WIDE EXPECTATIONS:

1. Be Ready
2. Be Respectful
3. Be Responsible
4. Be Safe

We will go over these expectations in detail the first day. While procedures and routines are outlined, students will assist in creating class rules during the first week of school.

Attendance:

I expect students to make attendance a priority. If you are not present, you miss out on valuable learning opportunities and end up playing "catch-up" The simplest solution: attend class. It is very difficult to stay afloat once you have fallen behind. Check the "Absent Work Folders" in class for missed assignments.

Tardy Policy:

To assist in lowering student tardies, AEHS has created an additional warning bell set to ring exactly one minute before classes start. Students, who are not in the room when the bell rings, will be marked tardy. Every 3rd tardy results in a referral, a phone call home, and a day in ISS according to the school policy.

Makeup Work:

When a student misses class for ANY REASON, make-up will need to be done. Students must make arrangements with me to discuss the work they miss after an absence. Knox County policy states that students have up to three days after an absence to inquire about makeup work. All makeup work is due within one week of the absence. Students participating in field trips need to make arrangements prior to missing class to make-up the missed class time. If a student is not passing any course, they will not receive permission to attend any field trip. Missed assignments will be entered into the gradebook as an **N**.

Late Work:

The first late assignment will be forgiven. Additional late assignments will result in a percentage-based reduction at loss of 10% per school day late. Missing assignments will count as a zero. Work MAY NOT be made up after the close of the grading period in which it was assigned.

Hall Pass Policy:

The bathroom should be used during class change and well as runs to the drinking fountain and other errands. There is no reason that a student should not be able to use the bathroom or get a drink between classes. However, emergencies do occur. Each student will be afforded three "emergency" bathroom passes for each semester. At the end of the semester those passes can be redeemed for extra credit. Medical concerns should be addressed with a doctor's note in order to be honored. Once all passes are expired, the student will not longer be permitted to leave until after the next issuance of bathroom passes. At any point if a student decides to exit the room without a pass, he or she will receive a referral for being out of the assigned area.

CELLULAR PHONES:

Students are permitted to use cellular telephones and electronic devices during non-instructional times between classes and at lunch. For this reason, a strict "OUT OF SIGHT, OUT OF HEARING" policy has been created to protect the sanctity of your educational opportunity. There will be no warnings. If I see or hear the phone, I will ask the student to put the phone in the cell phone detention area until the end of class. If the student refuses, then a referral will be written a phone call home made. There will be instructional usage of cellular devices, but only with provided permission.

Tutoring/Extra Help:

If a student is struggling in class, there are many options available for tutoring through Austin-East. Please contact me if you feel that you need additional help. Speak with me ahead of time so that I can make arrangements to stay after school and tutor.

Internet Usage:

Students are allowed to use the computers unless a parent provides a written request to disallow the students use of the internet.

Honor Code/Plagiarism Policy:

According to 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."

Consequences for Plagiarism:

As plagiarism is a form of stealing and academic fraud, committing such an act carries both a grade penalty and disciplinary action. Students found guilty of plagiarism will be given a zero for the assignment and/or be referred to the office for violating student conduct.

Communication with Parents and Students:

- Email: The best way to reach me is by email, **desiree.seay@knoxschools.org** . I check it at least once a day and will respond.
- Phone: You may also call the school phone **865- 594-3792 ext 1022** and leave a message for me. If you would like to request a conference, please call guidance and the counselor will schedule one.

Thank-you for your time. I look forward to working with all the students this upcoming year. If you have any questions, comments, or concerns please feel free to contact me via email or phone.

Sincerely,

Desiree Seay

Math Department

Austin-East Magnet High School

Course Outline for Algebra II Yearlong

Module 1: Sequences, Series, & Summations
Module 2: Quadratics Functions
Module 3: Quadratic Equations
Module 4: Polynomial Functions and Equations
Module 5: Rational Functions and Equations
Module 6: Radical Functions and Equations
Module 7: Exponential & Logarithmic Functions
Module 8: Interpreting Data & Making Inferences
Module 9: Probability
Module 10: Trigonometric Functions

There will be a midterm given the week before fall break.

Syllabus Acknowledgement and Information Sheet

I, **(student name)** _____ have read and understand the attached syllabus.

Signature: _____

Please complete your schedule below:

Period	Class	Teacher
1		
2		
3		
4		
Group/Sport		Sponsor/Teacher/Coach

Parent/Guardian Info:

Name:	Relationship:
Home Phone:	Cell Phone:
Email:	Do you prefer email/phone? What time?
Name #1:	Relationship:
Home Phone:	Cell Phone:
Name #2:	Relationship:
Home Phone:	Cell Phone:

Is there anything that you would like me to know about your student?

_____ By signing this, I am
acknowledging that I have read the syllabus for Ms. Hesse's Algebra 2 class. I understand that if I have any questions
or concerns, I may contact her one of the ways mentioned in the syllabus.

Parent/Guardian Signature Date

For Teacher Use

Office Hour Visits/Contact/Notes:

Date	Subject Matter