

COURSE OUTCOME:

- **Course Description**

- The study of functions and an extension of the concepts of Algebra I and many of the concepts of Geometry are provided. Topics covered are: linear and quadratic equations and functions; systems of equations and inequalities; polynomials and rational polynomial expressions; polynomial functions; conic sections; exponential and logarithmic functions; probability and statistics. Satisfactory completion of this course prepares students for entry into Pre-Calculus , Finite, or Dual Enrollment. (Prerequisites: Honors Geometry credit with a grade of “A or B” or teacher recommendation)

- **Hyperlinks to state standards:**

https://www.tn.gov/assets/entities/education/attachments/std_math_algebra II.pdf

INSTRUCTION:

Topics to be covered:

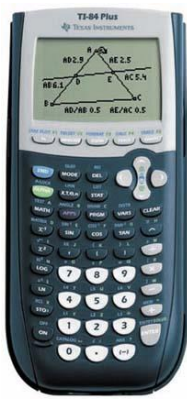
- Sequences, Series, & Summations
- Quadratic Functions
- Quadratic Equations
- Polynomial Functions and Equations
- Rational Functions and Equations
- Radical Functions and Equations
- Exponential and Logarithmic Functions and Equations
- Trigonometric Functions
- Probability
- The Design of Statistical Studies
- Gathering Data, Making Inferences, and Justifying Conclusions

- **General Pacing**

Each unit will be completed in 4 to 10 days with 2 additional days for review and assessment.

- **Materials Needed**

Students will need paper, pencil, 3 ring binder with pockets, and TI-84 graphing calculator. There will be a set of calculators available for in class use only.



- **Fees: none**
- **Resources**
 - Textbook: *Prentice Hall Algebra 2: Tennessee Edition* and supplemental materials
 - Knox County Math Intranet and other math websites
 - **Statement concerning the option of alternatives for material deemed objectionable by parent/student.**

If you do not approve of a specific resource listed in this syllabus, please make your request to me in writing and an alternative assignment and/or materials will be provided. 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.

ASSESSMENT:

- **Grading Policy**

The grading scale is mandated by Knox County and the State of Tennessee. All tasks given in this class will be in one of the following categories for 75% of the grade: Daily work and homework (15%) quizzes (20%) and tests and projects (40%). Points are earned through the completion of the task (homework) and by the correctness of the work (quizzes, tests, and projects) and accumulate throughout the term. Adding all points together and dividing by the total number of points will calculate the final grade. Homework assignments are checked the next class period and due at the end of each unit of study.

Grading Scale

A	93 – 100%
B	85 – 92 %
C	75 – 84 %
D	70 – 74 %
F	Below 70 %

A final exam worth 25% of the grade will be given. It is a Knox County Schools exit exam and usually consists of 40 to 60 multiple-choice questions covering course standards.

- **Explanation of Assignments & Projects:**

Assigned problems will be reviewed for correctness on the day after each lesson. Several quizzes will be given throughout each unit that will assess student learning. An exam on content skills will conclude each

unit. In addition, students may be asked to do outside projects that will directly relate to their understanding of the course standards.

- **Make-Up Work Policy/Late Work Policy**

Students should complete missed quizzes or exams within **3 days** of their return to school. Quizzes and tests should be completed in one of the designed school-wide make-up session. If a student is unable to attend one of these sessions, they can make-up work by appointment with the teacher either before or after school.

- **Re-do Policy**

Students will have the opportunity to re-do assignments, including tests and quizzes. The maximum grade for re-done assignments will be 90%. In order to qualify to re-do a test, students must attend a remediation session over the material being tested. Re-do assignments will be completed before or after school or during lunch. Missing assignments **do not count** as re-do. All re-do assignments must be complete at least 2 weeks prior to the end of the semester.

- **Summer Blitz/December Dash**

In the event that a student fails, they can attend Summer Blitz or December Dash to get course credit provided they meet the following criteria:

1. Have at least a 50 average.
2. Have at least a 90% attendance rate.
3. Have no more than 3 missing assignments.
4. Have attempted to re-do at least half of all failed Module exams.

- **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 OF PLAGIARISM

Plagiarism is a form of stealing and academic fraud. Students who are found guilty of plagiarism will have the option of either redoing the assignment within a specified time period and accepting a grade letter drop or taking a zero on the assignment. Parents should be involved in making the decision.

- **Portal Post Policy**

One way in which I am able to communicate with the student and parent is through Parent Portal. In order to give timely feedback, I will update grades at least once per week.

GENERAL EXPECTATIONS:

- **Students:** I want to you to be successful. To do so, you must be in class!

- **Attendance Policy:** The Knox County attendance policy will be followed.

Acceptable (excusable) conditions for students being absent from school include:

1. Personal illness;
2. Illness in the family temporarily requiring help from the child;
3. Death in the family;
4. Recognized religious holidays regularly observed by persons of the student's faith;
5. Verifiable family emergency.

Any absence not complying with the above reasons for excused absences will be considered as unexcused. Examples of unexcused absences are (a) family vacations taken during the school year and (b) Senior Skip Day.

- **Tardy Policy:**

A student will be considered tardy if he/she is not inside the classroom before the tardy bell rings. Students who are tardy will receive detention, which is to be served during the 1 hour lunch period on the specified day after the tardy has occurred. Failure to serve will result in ISS.

- **Honor Code:**

Students caught cheating on quizzes and exams will receive a grade of 0 with no chance of redoing the assignment. Students' parent will also be notified and a discipline referral will be sent to the appropriate grade level principal

- **Classroom Expectations:** Students will ...

1. Be courteous and respectful of others and their belongings.
2. Answer questions in class only if called upon.
3. Work on assignment from this class only.
4. Bring all necessary materials.
5. Bring bottled water only into the classroom.
6. Be on time and in your seat and start with warmup question when the tardy bell rings.
7. Not use cell phones during class time. I-pods may be used during individual work time only.

- **Teacher:** I will do my best to help you succeed. If you need help ...

- **Communication Strategy:**

You can e-mail me at dino.orucevic@knoxschools.org or call the school office at 933-3434.

- **Intervention Strategy:** Students can come by before or after school and during enrichment for additional help or to make up missed exams or quizzes.