**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 or Advanced Algebra and Trigonometry. (Prerequisites: Algebra I and Geometry credit with a grade of “C” or better recommended)

* **Hyperlink to state standards:**

<http://www.state.tn.us/education/ci/math/index.shtml>

**INSTRUCTION:**

* **Topics:**

Functions, equations, graphs and linear systems, quadratic equations and functions, polynomial and polynomial functions, rational equations and functions, radical functions, rational exponents, exponential and logarithmic functions, quadratic relations, periodic functions, trigonometry, trigonometric identities and equations, sequences and series, probability and statistics, and matrices.

* **General Pacing**

Each module will be completed in approximately 4 to 6 days with 2 additional days for review and assessment.

* **Materials Needed**

Students will need a three ring binder, paper, pencil, graph paper, section dividers, and TI-84 calculator.

There will be a set of calculators available for **in class use** only.

**Resources**

* + Textbook: Prentice Hall Algebra 2
* 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**
  + Grading will be done on a total points system. Your grade will be calculated by dividing the number of points you have earned by the total points possible. Seventy five percent of your grade will be based on in-class work, notebooks, assignments, homework, quizzes, and tests. The other twenty five percent will be the End of Course Exam.
  + There will be a quiz each week on the last day of the week, unless the teacher decides otherwise. Quizzes will be worth up to 50 points.
  + Tests will occur at the end of each Module or whenever the teacher deems necessary. Tests will be worth 100 points.
  + *Retest options will be available with a maximum grade of 90% possible. These must be completed within one week of the first attempted test. These will also require a mandatory tutoring session prior to the retest.*
  + *Homework assignments will be given almost daily. Points for completed (with work shown) and on-time work will be 10 points per assignment. If no work is shown, no credit will be given. If work is done in pen, no credit will be given. Assignments will be checked for completeness and occasionally certain problems will be checked for accuracy once there has been an opportunity for questions. If a student does not complete their homework, they will have one calendar week to complete it and turn it in for a maximum score of 8 points. No work will be accepted later than a week.*
  + Grading Scale

A 93-100%

B 85-92%

C 75-84%

D 70-74%

F Below 70%

* According to Knox County Policy, a grade of C or better is required at the end of the course to advance to the next sequential mathematics class.
* **Make-Up Work Policy/Late Work Policy**

You must make up all missed work promptly and come in during tutoring times for extra help and /or to make up tests or quizzes.

**December Dash and Summer Blitz**

These programs are intended for students who have shown an acceptable amount of effort to pass the course, yet have come up short of the required 70% to pass.

\* A student must have an average of 65-69.4 and have passed the EOC to be eligible for Blitz.

\* Teachers must make one attempt to contact the parent

**In compliance with our CHS Re-do Policy, students should not have the opportunity to re-take the EOC.**

* **Plagiarism**

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.

**GENERAL EXPECTATIONS:**

* **Students:**
* **Attendance Policy:**

Knox County attendance policy will be followed.

* **Expectations:**
  + Be on time
  + *Be prepared. Bring supplies to class. If you are not prepared for class so many times that it becomes a habit, I reserve the right to correct this behavior how I see fit, which may include a zero for the day’s assignment.*
  + Be respectful
  + Be here, Be awake, Be on task
  + Complete all work to the best of your ability
  + No food or drink (except water) is allowed in the classroom.
  + Follow all Carter High School and Knox County Schools policies
* **Classroom Policy/Procedures**
* There will be times when there is an opportunity to study or work on homework during class – do not abuse this time.
* *Each student will get 6 bathroom passes per semester. Passes will not be given out during the first 15 minutes or the last 15 minutes of class.*
* You will be assigned a calculator to use during class time. You are responsible for it during that time. It is an expensive piece of equipment that requires careful handling.
* Students will put their cell phones in a cell-phone caddy during instruction. Cell phones may only be used during individual practice time if the teacher allows.
* Tardies will be handled according to school policy. A student will be considered tardy if they are not in their seat before the tardy bell rings.
* Please advise me of any important information I may need to know about you.
* You are responsible for any books or supplies that are assigned to you.
* **Honor Code:**

Students caught cheating on quizzes and exams will receive a failing grade for that assignment. If a student wishes to improve this grade they must take a different quiz or test over the same skills.

**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.

Please note that any changes I make in grade-book take about 24-48 hours to show up on the portal.

* **Teacher:**
* I may be contacted through school fusion, by email: [mark.proctor@knoxschools.org](mailto:mark.proctor@knoxschools.org) , or by calling the school at 865-933-3434
* Tutoring is available Tuesday and Thursday mornings at 7:45. Prior notice of your intention to attend is necessary. If these times are inconvenient, please feel free to discuss with me what times work best for you and I will do my best to be accommodating.

\*\*\*Please have your student return the attached sheet stating that you have read and understand the classroom policies and procedures. Additionally, this sheet will provide me with the most convenient way to contact you. If you have any questions or concerns at this time, please feel free to list them at the bottom of the informational sheet, call, or e-mail me at any time. Thank you for your time, and I look forward to a tremendous year in mathematics class!

Sincerely,

Mark Proctor

By signing below I affirm that I have read and understand the information within Mr. Proctor’s Algebra I syllabus for the 2014-2015 school year.

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Student’s Signature Date

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Parent’s/Guardian’s Signature Date

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Please provide an email address or phone number so that I may contact you easily.

If you have any questions, concerns or something you would like for me to be aware of, please comment below. Thank you.