Tellico Plains High School

Algebra II Course Outline

2017-2018 School Year

Instructor: Mrs. Donna Lynn

Graduate of Tellico Plains High School ----------------------1987

Associate of Arts Degree, Hiwassee College ----------------1989

Bachelor of Science, Tennessee Wesleyan College --------1991

Master of Science in Curriculum and Instruction,

University of Tennessee in Knoxville -------------1997

Educational Specialist Degree,

Lincoln Memorial University -----------------------1998

Certified in Mathematics since - ---------------------------1991

Teacher at Tellico Plains High School since -----------------1991

Chairperson of the mathematics department at

Tellico Plains High School since -------------------1993

Office: Room 20 at Tellico Plains High School

Office Phone: 423-253-2530

Email: [lynnd@monroe.k12.tn.us](mailto:lynnd@monroe.k12.tn.us)

Class Times: 3rd/4th period block and 5th/6th period block(ninety minutes) throughout the day all year

Text: Glencoe Algebra II

# **Purpose**

The purpose of Algebra II at TPHS is to set forth the following goals for all students: they (1) will know and learn to value mathematics, (2) will gain confidence in their ability to do mathematics, (3) will know and develop mathematical problem solving skills, (4) will know and communicate mathematically, and (5) will be able to reason mathematically. A major focus of this course is to prepare the students to take the Algebra II end of the year exam in the spring and ACT preparation.

# **Methods**

This class will be taught using a variety of methods. The students will take notes from the board, overhead, and power point presentations; will participate in group activities; will work as peer tutors; will take part in lectures; and work problems on the board. Students will also be familiarized with the use of calculators and hands-on manipulatives.

**CLASS RULES**

**STUDENTS SHOULD FOLLOW THE RULES FOUND IN THE STUDENT HANDBOOK**.

All students will be expected to be dressed in acceptable school clothes, **in their seat**, and prepared to start class at the sound of the tardy bell. “Prepared to start” means that assignments from the previous day are complete, all talking has ceased, and that students have pencil, paper, notebook, and textbook ready to begin class. Failure to be “prepared to start” will be considered a tardy in this class.

All students are responsible for each day’s work and assignments. Should one know in advance that one will be absent from class; it is the students’ responsibility to contact Mrs. Lynn prior to their absence to obtain that day’s work. If a student is sick, they should contact a classmate or the instructor about the day’s assignment. Failure to get the assignment will result in one’s not being “prepared for class”.

Each student’s conduct and behavior will be observed daily by the instructor. Students should exhibit cooperation, respect themselves, respect others, show respect toward the instructor and school property and property of others. Verbal reprimands and trips to the office will be exercised if one should fell to comply.

Other disciplinary problems which arise will be dealt with in a manner set out by the Tellico Plains High School Student Handbook and the instructor including tardies. Disruptive and immature behavior will not be tolerated.

**EVALUATION PROCEDURE**

Each student will be evaluated on the basis of performance in each of the following areas:

(a) Announced and unannounced quizzes (30%)

(b) Selective homework assignments (30%)

(c) Notebook and Chapter Tests (40%)

Six weeks and semester grades will be determined as follows:

A= 93-100 B= 85-92 C= 75-84 D= 70-74 F= 69 or below

No grade will be given above 100 and no grade will be given below a 60 for a **nine weeks grade**.

**\*\*\*\*\*\*\*Progress reports\*\*\*\*\*\*\*\*\***

**Each student will be given a progress report every three weeks to take home with their current grade. Promptly return these signed reports since they will be worth extra credit points.**

**PORTFOLIO (Notebook) & PROJECTS**

The portfolio must consist of all assignments and a cover sheet. Each student is responsible for the up keep and organization of his or her own notebook. At the end of each nine weeks, a notebook test will be given over the contents of the portfolio. The notebook test will count as a test score (40%) of the nine weeks grade. Projects will count as quiz grades (30%). In the past, projects have included scavenger hunts, quilting activities, and origami (paper folding).

**GRADED HOMEWORK**

Each nine weeks, teacher-desired homework will be graded as a homework grade (30%). Each student will be allowed 2 late homework grades (minus 10 points on the grade of that assignment) per nine weeks. After the second late grade, other homework not received on time will result in a zero. If a student is absent the day the assignment is turned in for a grade, they must turn it in the day they come back. If a student does not write the problem or show necessary work on assignments, they could have up to 25 points deducted from the grade on the assignment.

By the end of the course students will have:

* Reviewed Equations and Inequalities
* Explored Linear Relations and Functions
* Solved Systems of Equations and Inequalities
* Evaluated Matrices
* Graphed and Solved Quadratic Functions and Relations
* Performed Operations with Polynomials and Polynomial Functions
* Computed Inverses and Radical Functions and Relations
* Solved Exponential and Logarithmic Functions and Relations
* Identified and Solved Rational Functions and Relations
* Recognized Conic Sections
* Explored Sequences and Series
* Evaluated Topics in Probability and Statistics
* Experienced Trigonometric Functions, Identities, and Equations

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**THINGS I NEED FOR THIS CLASS:**

1. Notebook (3-ring binder or 3-prong folder) that contains:
   1. Notebook paper
   2. Graph paper – smallest pack, recommended
2. Pencils

3. Optional: If possible, TI-84+ Graphing Calculator (All students will be assigned a calculator for class time. This calculator would be for at home use and/or school use.)

This form and others can be found on my webpage: <http://lynndonna.weebly.com/>

Please sign below to confirm that you have read the attached syllabus. Return this signature page for a grade/extra credit points.

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_