Tellico Plains High School

Algebra I Course Outline

2015-2016 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 12 at Tellico Plains High School

Webpage: <http://lynndonna.weebly.com/>

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

Office Hours and Phone: Thirty minutes before school begins and planning period/ 423-253-2530

Class Times: 1st/2nd Block , 7th/8th Block

Text: Glencoe-McGraw Hill Algebra I

**Purpose:**

The purpose of Algebra I at TPHS is to set forth the following goals for all students: they (1) will learn to value mathematics, (2) will gain confidence in their ability to do mathematics, (3) will develop mathematical problem solving skills, (4) will communicate mathematically, and (5) will reason mathematically. **A major focus of this course is to prepare the students to take the Algebra I TNReady exams in the spring, which will count 25% of their course grade\*\*.**

**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.

**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.**

**Class Rules:**

***Be Prepared***All students should have the previous day’s assignment completed and out on their desks, as well as a pencil/pen, paper, and book.

***Be On Time*** The school tardy policy will be followed.

***Be Responsible*** Students are responsible for each day’s work and assignments. *When a student is absent, it is his/her responsibility to make up any missed work. After three school days the missing grade becomes a zero.* As a note, field trips also count as absences, so work must be made up.

***Be Respectful*** Damage to any materials in the classroom will not be tolerated. Have mutual respect for others at all times. Keep all complaints until after class. Do not talk about other students or their abilities.

Any other disciplinary problems will be dealt with in the manner set out by the student handbook and the instructor. Disruptive and immature behavior will not be tolerated.

**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%) for the nine weeks. Projects will count as quiz grades (30%). In the past, projects have included scavenger hunts, quilting activities, and origami (paper folding).

**GRADED HOMEWORK**

Yes, I do give homework! Each day some class time is allotted for students to begin each assignment in class, however most will have homework to take home and finish. Most of this work will be graded either next few days or at the end of nine week in the notebook grade. Homework that is graded will be graded as homework grade (30%) of the nine week grade. Each student will be allowed (5) late homework grades (minus 10 points on the grade of that assignment) per nine weeks. After the fifth 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:**

* Translated expressions between verbal and algebraic
* Identified and applied the addition and multiplication properties of numbers
* Added, subtracted, multiplied, and divided integers and rational numbers
* Recognized and applied transformations, functions, and relations
* Solved one-step, two-step, and multi-step equations and inequalities
* Solved problems using ratios, proportions, and percents
* Integrated the basics of statistics, probability, geometry, and trigonometry into algebra
* Set up and solve systems of equations and inequalities
* Identified added, subtracted, multiplied, and divided monomials and polynomials
* Used Pythagorean’s Theorem and the distance formula
* Explored quadratic equations, graphs, and applications

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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 by ***August 14, 2015*** for extra credit points.

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

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