**Algebra II Concepts and Skills**

**Syllabus**

**School Year 2017/2018**

**Instructors** Mrs. Liz Ketcham

**E-mail address** liz.ketcham@hanoverhorton.org

**Course Length** 2 semesters or 1 year

**Credits**  1 credit

**Textbook** *Algebra II*, by McDougal and Littell Publishing, 2005

 **Cost of book:** $70.00

**Course Description** Topics covered by this course include vocabulary, variables, expressions, equations and inequalities, factors, fractions, exponents, , rational expressions, graphing linear equations. Functions that model real world situations will also be introduced. This course emphasizes problem solving and critical thinking skills.

**Prerequisite**: Algebra I

**Course Content** The following chapters may be covered, focusing on Common Core Standards.

Chapter 1: Equations and Inequalities

 Chapter 2: Linear Equations and Functions

 Chapter 3: Systems of Linear Equations and Inequalities

 Chapter 4: Matrices and Determinants

 Chapter 5: Quadratic Functions

 Chapter 6: Polynomials and Polynomial Functions

 Chapter 7: Powers, Roots and Radicals

 Chapter 8: Exponential and Logarithmic Functions

 Chapter 9: Rational Equations and Functions

**Materials** Assigned textbook

 Note-Taking Guides

 Folder or binder

 Notebook or lined paper

 Pencils

Erasers

 TI-83 Calculator is HIGHLY RECOMMENDED

If possible, please consider donating supplies to the classroom. The following is a list of supplies that we use throughout the school year. Thank you.

* Tissue
* Dry Erase Markers
* Hand Sanitizer
* Pencils
* Erasers
* Clorox Wipes
* AAA Batteries

**PROCEDURES**

1. Come to class prepared
	1. Bring all materials: books, pencil, erasers, calculators
	2. Use the bathroom before coming to class
2. Be respectful
	1. Treat others the way you would like to be treated
	2. Do not touch/take other people’s belongings
	3. Speak politely and in a polite tone
	4. Respect the classroom and its materials
	5. Clean up after yourself
3. Be productive
	1. Give 100% effort to work hard every day.
	2. Use class time wisely
	3. Complete your own work – DO NOT CHEAT \*\*\*cheating results in automatic failure\*\*\*
	4. Work on designated assignments
	5. Bring book to read if you finish early
	6. Help others who may be struggling
4. No eating or drinking
	1. bottled water is allowed
5. Cell Phones
	1. Not to be used during class time
		1. Will be taken away if caught using during instruction
		2. If there is an activity that requires technology, I will inform students before hand
	2. Phones are not to be used for calculators during any test or quiz.
		1. If a phone is out during this time it will be confiscated and turned into the office for you to pick up at the end of the day
		2. If a phone is out during a test or quiz, the test or quiz will be confiscated and a zero will be put in the grade book.
	3. Students will be allowed to listen to music during independent work time
		1. If music becomes a distraction to any students it will be shut off
		2. If student is found playing with music rather than working on assignment, it will be shut off
		3. The teacher has the right to take the music device if student is not willing to follow rules

**Homework Policy:** Homework will be assigned after every lesson. Homework is due at the very beginning of the next class period. If the homework is not out on the desk at the beginning of the period, it will be considered not done and result in a zero for that grade. I will not accept late homework. If a student is absent, they will have an additional day to complete the assignment. It is the responsibility of the student to get the assignment. Homework is to be completed on the assigned template, but I will accept assignments on other paper from absent students.

Homework is practice and is not graded right and wrong, the homework grade is based on how much was completed. A student that tries and completes all their homework will get a 100% for their homework grade. I will show all the answers at the beginning of the class and answer any questions students may have. After every homework assignment, students will get a homework quiz which is graded right and wrong.

**Grading Scale** A93-100%

 A- 90-92%

B+ 87-89%

\*NOTE: Powerschool rounds grades following rounding rules. If you have a 89.5%, you will get an A- in the class. \*

B 83-86%

B- 80-82%

C+ 77-79%

C 73-76%

C- 70-72%

D+ 67-69%

D 63-66%

D- 60-62%

E Below 60%

**Grades and grading**

In this class you will have 5 categories that you will be graded on: 1) Homework, 2) Homework Quizzes, 3) Quizzes, 4) Tests, and 5) Note-Taking Guides and Project tasks.  These components are the makeup of the Semester grades.

1. **Homework** – You should have an assignment after every lesson. There will be several homework assignments every week. All assignments must be done in pencil. These are always due the next class period and I will not accept late work.  This makes up 10% of the quarter grade.

**Handing in assignments** – At the beginning of class I will walk around and check to see if you completed the assignment. When I walk around and check the homework, I will look for work. If there are just answers written and no work done, I will not give any credit for that assignment. I expect to see a good attempt. Homework is an attempt grade not an accuracy grade.  This means that when you come into class with the assignment done you will be able to correct your own paper with a pen. I will have all the answers projected on the screen, if you make a mistake I would like you to ask questions and get clarification. Once I complete checking everyone’s assignments in the class, I will answer any questions from that assignment that you didn’t get or don’t see what you did wrong.

AGAIN, If work is not shown and you just copied the answers from the board I will dock points (It is possible to get a zero on assignments where no work is shown.) As long as you try the assignments with a solid effort HW grade should always be a 100%.

1. **Homework Quizzes** – There will be a homework after every assignment is corrected. You will have 2 – 5 problems based directly off the homework assignment. This is homework quiz is collected and graded right and wrong. All work should be shown for full credit. This makes up 20% of the quarter grade.

1. **Quizzes** - There will be several short quizzes through the chapter. Expect to 1 or 2 quizzes every week. If you are absent for a quiz, it is your responsibility to find a time to make up the quiz. It will go into grade book as a zero if you do not complete the quiz. Some quizzes will be a short 5-10 minute quiz, while others are longer.  Those days you are absent, you may want to get notes from another student. There are also quizzes given periodically that are a little more extensive.  These will be worth 25% of the quarter grade.

1. **Tests –** These are given at the end of every chapter.  These are worth 35% of the quarter grade.

1. **Note-Taking Guides and Project Tasks –** Students are suggested to get a 3-ring binder that is about 1.5-2 inches thick.  This will help keep them organized.  The Note-Taking Guide is assigned to you at a cost of $5.00. The note-taking guide should be completed as we go through the lesson. This will be graded after every chapter.  Tasks are an ongoing activity that is focused on in class periodically to help students dig deeper into problem solving skills and make the connections between the math they already know to the new concepts that are being learned.  Not-taking guides and projects will make up 10% of the quarter grade.

**POLICY CHANGES:**

Please understand that as the year progresses there may be a need to change the weighting of the categories due to advances in technology and need for me to properly assess all students to assure that they are understanding the concepts. A notification will be sent home if the category weights do get changed.

**CHEATING:**

First offense: a grade of zero on the assignment/quiz/test, teacher contacts parent, and the student is placed on probationary status.

Second offense- parent conference and loss of credit in class for the grading period.

**Tardy:**

1) Three tardies (under 10 minutes) per class will equal one unverified absence.

2) Tardies of more than 10 minutes shall be considered an unverified absence.

**\*\*Students will serve an in school suspension detention for every three tardies\*\***

Please understand that cell phones and other technology devices can be a huge distraction in the classroom. Students should not bring their cell phones to class. If a student has a cell phone in class, the cell phone needs to be turned off. If a cell phone is being used during instructional time, I will take the cell phone away from the student and follow the infraction plan listed in procedures. If a student argues or refuses to turn in their cell phone, they will be sent to the in-school suspension (ISS) room for the remainder of the class.

**Discipline Process –** If an expectation is not met than the student must be responsible for the choice that is made.  Consequences will be imposed for these actions.  A reasonable consequence is one that follows logically from the behavior.  Logical consequences are used to teach the student to choose between acceptable and unacceptable behavior.  If expectations are not met repeatedly, further actions will take place such as administration involvement, and/or detention**.**

If you agree to everything in this introduction, please fill out and return the next page to me by Monday August 28, 2017 for a 50 point homework grade. After Monday, a student may turn in this assignment for partial credit. If you have questions, please e-mail me so we can discuss them. This just simply tells us that you have had the opportunity to understand what we are expecting of your son/daughter.

**Student signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Phone number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Email \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**