

# Algebra 3

## Karns City Area Junior-Senior High School Course Syllabus

**Course Title:** Algebra 3

**Grade Level:** 10-12

**Length of Course:** 1 Year

**Periods Per Week:** 5

**Instructor:** Connie Kilcoin

**Units of Credit:** 1

**Period Length:** 42 Minutes

**Total Clock Hours:** 126

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**Textbook:** Precalculus with Limits

Houghton Mifflin Company (Larson and Hostetler)

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**Course Description:** Algebra is considered the language of mathematics, and mathematics is a vital part of the students' life. Changes in society and the use of technology require a strong mathematical background. When we decide to buy a car, determine a discount price, choose an insurance or health plan, calculate interest made on our savings, balance our checkbook, or determine the amount of tax on a purchase, we rely on mathematical understanding. Algebra III is designed to strengthen the understanding and promote the application of the mathematical processes studied in Algebra II. In addition to refining techniques previously taught, new topics associated with analytic geometry and advanced algebra are introduced. Emphasis is placed on graphing and graphing/programmable calculators. The student must be committed to working hard and asking questions when needed.

### **Grading Scale:**

Total points will be used to determine a student's percentage

90%-100% A

80%-89% B

70%-79% C

60%-69% D

### **Evaluation:**

- Homework is extremely important to the success of this class. Homework will be given frequently. Homework will be graded. . One problem will be randomly selected and graded for accuracy. (4 points per homework: 2 for completion (2 for 75-100% and 1 for 50-74%) and 2 for accuracy). Late homework, which is strongly frowned upon, will only be worth ½ credit and will not be accepted after 2 weeks from due date.
- Several announced and unannounced quizzes will be given each nine weeks. (10 – 30 points each)
- There will be a test at the end of every unit. Typically a unit will consist of one or two chapters. (30 – 100 points each). These tests will count as pieces of the final exam.

- Extra Credit is available in the form of the Problem of the Week. It is located on the bulletin board as well as my teacher website. It is worth a maximum of 3 points each week. You must give the correct answer and explain or show how you arrived at your answer. These are due on the last school day of each week, no exceptions. Please do not ask for other extra work as it will not be given.

### **Rules and Responsibilities:**

- Be on time. You must be in your assigned seat and ready to work when the bell rings.
- Be prepared. Bring materials such as a pencil, textbook, notebook, and homework to class. Use the restroom and fountain before and after class not during.
- Be polite. Raise your hand and wait to be recognized before speaking. Do not interrupt someone else who is speaking. Name calling, profanity, and ridiculing will not be tolerated. Keep your hand and other objects to yourself
- Assignment must be completed on time or you will receive a grade of zero. Please be aware of the school policy governing missing homework. When a student has missed **2** homeworks in the course of the nine weeks, the parent will be contacted (phone or letter) concerning the matter. Every missed homework there after during the nine weeks will result in a detention being assigned.
- **Make-up Policy:** Students should make up assignments and quizzes as soon as possible. The policy of the math department is as follows...
  - AB (Absent) going to NC – At least 3 days but no more than 5 days from date of return to complete missing work (assignments, quizzes, tests, etc) unless students has made other arrangements with the teacher. After this period, the gradebook will be marked with an NC (No Credit), at this point the student may still make up the work but only for ½ credit.
  - NC (No Credit) going to 0 – Students have 2 weeks to make up missed work up for partial credit until the last day of the nine weeks. After this 2 week period, the grade will be marked as a 0 and is not eligible to be made up.
- **School Property:** This room is to be kept neat at all times and I ask that all persons take responsibility for the condition of the room. Books, calculators, and other materials are the responsibility of the student using such items. Do not use your textbook as a filing cabinet!!

### **Suggestions:**

- 3 ring binder or notebook/folder to keep notes, in-class activities, and homework in.
- Calculator TI-Nspire CX CAS. We have a classroom set, but these will not be able to be removed from room.

**Parents:**

Please contact me if you have any concerns. My e-mail address is [ckilcoin@kcasdk12.org](mailto:ckilcoin@kcasdk12.org). The school phone number is (724) 756-2030, my extension is 1634. I am available during homeroom, 5<sup>th</sup> period prep, and afterschool from 2:31 – 2:55 for additional help. If these times are not conducive to your schedule, please have your student contact me to see about additional times that may be available.

I have received and read the course syllabus for Algebra 3.

STUDENT'S NAME \_\_\_\_\_

STUDENT'S SIGNATURE \_\_\_\_\_

PARENT'S NAME \_\_\_\_\_

PARENT'S SIGNATURE \_\_\_\_\_

PARENT'S E-MAIL \_\_\_\_\_

PARENT'S PHONE NUMBER \_\_\_\_\_

**Calculator Agreement on Back...Please sign also!**

Graphing Calculator Contract

I, \_\_\_\_\_, am in \_\_\_\_Algebra 3\_\_\_\_\_

Print Student Name

Teacher, period, course

class. I will be allowed to use one of Karns City High School’s TI-NSpire CX CAS in class as long as I agree to the following guidelines and have a parent signature.

- The calculator will be used as an instructional tool, not a toy.
- If any damage should occur to the calculator during my class period, I will be responsible for the damage. If I see any damage or evidence of misuse of the calculator that I did not do, I must report it immediately to my teacher or be held responsible. A replacement fee of \$175 will be charged for lost or damaged calculators.
- Any of the following will result in my having to replace the calculator and/or denial of calculator privileges:
  1. Damage in any form to the calculator and/or parts
  2. “Text Messages” entered into the calculator
  3. Programs without the teacher’s permission
  4. Loading or playing games on the calculator
  5. Dropping the calculator on the floor due to carelessness

Your teacher will explain the procedure for distribution and collection of the calculators in class each day.

**We agree to the above criteria and accept responsibility for any damage.**

\_\_\_\_\_ Yes      \_\_\_\_\_ No

**If you do not agree with this contract, it will be your responsibility to provide your own graphing calculator.**

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date