Algebra 1

Period A (1.00 credit)

Miss Sobanski Room 216

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**Course Description:**

This course will rely heavily on cooperative learning, problem based learning, and mixed spaced practice. Communicating, verbalizing and explaining thoughts, contributing to a team, writing, and expressing oneself are all essential skills necessary to students’ futures that will be acquired throughout this course. Students are expected to conduct themselves in a respectful manner and put their best effort forward each day to get the most out of their own experience in class, as well as to provide the best experience for peers in their group. There will be several team tests, participation quizzes, group presentations, and classwork to be completed within groups, as well as individual tests, notebook quizzes, homework problems, and occasional notebook checks to be completed by each student individually. I will circulate the room answering questions and guiding each group’s learning as students explore and navigate through problems as a team, then complete individual practice questions on their own. Notes and Learning Log entries will be completed in class for students to use as reference for their future learning.

**Textbook:**

Core Connections Algebra, Dietiker, Kysh, Sallee, Hoey

* Textbooks will be provided to students during class
* Students will have access to an e-book outside of class

**Course Outline:**

* Chapter 1- Functions
* Appendix – Representing Equations
* Chapter 2- Linear Relationships
* Chapter 3- Simplifying and Solving
* Chapter 4- Systems of Equations
* Chapter 5- Sequences
* Chapter 6- Modeling Two-Variable Data
* Chapter 7- Exponential Functions
* Chapter 8- Quadratic Equations
* Chapter 9- Solving Quadratics and Inequalities \*\*
* Chapter 10- Solving Complex Equations \*\*
* Chapter 11- Functions and Data \*\*

\*Syllabus is subject to change depending on the time and progress of the class

**Required Materials:**

* Graphing Calculator *Recommended* (TI-83, TI-83 Plus, TI-84, TI-84 Plus)
* Scientific Calculator (if unable to get graphing calculator)
* 3 Ring Binder
* Tab Dividers
* Loose Leaf Paper (graph paper preferred)
* Pens/Pencils
* Ruler

**Grading:**

Tests/Projects 50%

Quizzes/Team Tests 20%

Homework 15%

Classwork/Participation 10%

Perseverance 5%

Tests/Projects:

The CPM program is designed to show mastery over time, thus a large portion of each test will contain review and concepts from previous chapters. Students will generally be completing a closure assignment, a team test, and an individual test at the end of each chapter. Several projects will be given throughout each semester to deepen students’ understanding of a particular topic.

Quizzes/Team Tests:

Several notebook quizzes will be given to test organization and ensure students are taking adequate notes each day. Participation quizzes will also be given to ensure proper participation from all team members. Further, given such a large objective of this course is to develop teamwork skills through cooperative learning, there will be several “team tests” students will complete. They are asked to each turn in their own test, but to discuss with their team how to solve the task they are given.

Homework:

Homework assignments will be given and checked daily. This means students should expect to have homework every night, and be ready to turn it in the following day unless otherwise noted. Students should keep all homework in their binders in the proper sections, have the numbers clearly labeled on the paper, and have satisfactory justification or explanations for their answers. Students will receive a 100%, 75%, 50% or incomplete for each homework assignment. Incomplete homework assignments may be asked to be redone for partial credit, and will turn into a zero at the end of the quarter if not complete.

Classwork/Participation:

Students will receive a grade of 1 to 4 at the end of each week based on the following:

* Student adequately fulfills their team role
* Student is present in helping group to complete each task
* Student is actively taking notes and recording answers in their own binder
* Student completes all of the given tasks required for each day

Perseverance:

“I may not be there yet, but I am closer than I was yesterday” ~José N. Harris

I am a firm believer that all students are capable and have the potential to achieve tremendous heights in my class as long as they are willing to put in the effort and come to class each day prepared and ready to learn; therefore, students in my class will receive a grade for perseverance. A perseverance grade will consider the following:

* Submitting test corrections,
* taking retakes,
* asking questions,
* showing a positive attitude in class,
* and continuing despite difficulties

***Class Policies/Procedures*:**

Assessment Retake Policy:

As CPM Algebra works to develop mastery overtime, it is crucial that students demonstrate growth and evidence of learning and accept responsibility for their own learning. Students are allowed to retake assessments, at teacher digression, within a given period of time following the original test date. In order to retake an assessment, students must demonstrate a better understanding of the standards that were being assessed by completing the following:

* All homework is complete and corrected with work shown
* Corrections are made on test
* Student has discussed the corrections with teacher
* Student has completed any additional practice problems the teacher has assigned
* Students complete the test by the given due date

Attendance, Absences, and Make-Up Work:

As most of the work in this class is done in a group, attendance is crucial to your success in this course. Students should be in their seats beginning their work when the bell rings. Tardiness will receive a warning the first time, and a detention after that. Following an absence, students will be given two days to complete work without penalty. Students should contact another classmate, check my website, or look at their weekly guide to determine what assignments are due, and are responsible for getting and completing the makeup work. Any missed quiz or test will be given before school, during a study hall, or after school and the day and time will need to be set up with the teacher.

Food and Drinks:

NO food or drinks **other than bottled water** are permitted in the classroom, unless provided by the teacher. I don’t like ants or other crawly things, so please make sure your food is thrown away prior to sitting at your desk so those creatures are not in my classroom.

Leaving the Classroom:

Students will be given a limited number of passes at the beginning of each quarter to leave the classroom for any reason. They may use a pass only during the first 5 minutes or last 5 minutes of class, unless an emergency deems otherwise. Students are required to sign out on the sheet near the door prior to leaving, indicating the date, name, destination, time out and time in. It is imperative that students are present in class and in their groups, so please try to go before class begins.

Academic Honesty:

Students are expected to conduct themselves in a respectful and responsible manner in my class at all times. Any student caught cheating or copying others’ work will receive a zero for the assignment or test, a detention, an automatic referral to the office and their parents/guardians will be notified. No exceptions. Cheating will only hurt you, so please, just don’t do it.

Extra help:

Extra help will be given upon the students’ request at the following times:

* Before school: 7:00-7:25
* After school: Tuesday, Thursday (with teacher approval) 2:15-3:00
* During a study hall permitting I am not teaching a class during that period

**LEARNING EXPECTATIONS:**

Tourtellotte Memorial High School students:

1. Apply the analysis, synthesis, and evaluative processes in both independent and group settings to enable productive problem solving

2 A. Demonstrate the ability to communicate interactively: understanding, organizing, developing, speaking, listening, responding, and collaborating

2 B. Demonstrate the ability to understand, interpret, connect to, and form a critical stance on textual material

2 C. Demonstrate the ability to express ideas through writing in a variety of forms, using standard language conventions, and considering various audiences

1. Ethically utilize a variety of 21st century tools to acquire and disseminate information, solve authentic problems, and increase productivity
2. Demonstrate originality, creativity, flexibility, and adaptability, in thinking patterns, work process, and working/learning conditions

5 A. Understand diverse cultures, recognize global relationships, and independently respond to changing conditions

5 B. Understand social responsibility in relation to community

5 C. Understand personal accountability and its effects on quality of life

I have read and understand the information provided to you above. I will take responsibility for my actions and be sure to work to the best of my ability.

Student Name (Printed): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Guardian Name (Printed): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_