

## **ALGEBRA 2 CP**

Ms. Wilson

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### **COURSE DESCRIPTION:**

Welcome to Algebra 2! This course will rely upon and extend the students' knowledge and skills obtained in studies of first year Algebra and Geometry. This course is organized around families of functions, including linear and quadratic. Students will represent them in multiple ways as verbal descriptions, equations, and graphs. Students will use mathematical models to simulate real life applications within each unit.

### **COURSE OBJECTIVES:**

Upon completion of this course, students will be able to:

- Solve problems utilizing linear systems of equations and inequalities, quadratic functions, maximum and minimum values of functions, and joint and combined variation.
- Define complex numbers and perform operations on them.
- Solve problems involving the concepts of polynomial functions and absolute value.

### **APPROXIMATE COURSE TIMELINE:**

#### Quarter 1

|  |                           |
|--|---------------------------|
| Unit 1 – Skill Assessment, Equations, and Inequalities | September 4 - 21          |
| Unit 2 – Linear Equations and Functions Part 1         | September 24 - October 12 |
| Unit 2 – Linear Equations and Functions Part 2         | October 15 - November 2   |

#### Quarter 2

|   |                          |
|---|--------------------------|
| Unit 3 – Systems of Linear Equations and Inequalities | November 5 - 21          |
| Unit 5 – Polynomial Functions                         | November 26 - December 7 |
| Unit 4 – Quadratic Equations                          | December 10 - January 23 |

### **CLASSROOM EXPECTATIONS:**

- Arrive on time and be prepared to participate and learn!
- Be honest!
- Put forth your best effort!
- Advocate for yourself and communicate with your teacher and peers!
- Respect your peers, your teachers, and the classroom materials!
- Reflect on prior mistakes, persevere, and be resilient!
- Follow the Skipper Creed: Be safe, be respectful, be responsible!

### **TEXTBOOK AND MATERIALS:**

- Textbook: Algebra 2 by McDougall Littell and Math IXL Online Practice
- Graphing calculator: TI – 84+ Family
- A 1.5' binder with loose leaf paper is recommended to keep notes, handouts, and assignments in chronological order.

### **ASKING FOR HELP IS A STRENGTH, NOT A WEAKNESS!**

I am available several days a week after school, usually 2:10-3:00pm in the Math Office. I will post office hours each week inside the Math Office door and am also available during Utility Period and by appointment.

### **LIKE BELICHICK SAYS...DO YOUR JOB!**

Consistent attendance and punctuality are important for the success of any class! If absent, it is the student's responsibility to check Google Classroom for the daily update and the absent folder upon return. The absent folder will have paper copies labeled with the student's name.

### **TECH CHECK:**

If necessary, students will be required to put their cell phones in their assigned Tech Check slot at the start of each class. Attendance will then be taken based on the Tech Check.

### **HOMEWORK AND DAILY CHECK IN:**

Homework assignments are checked for completion (and work shown!) at the beginning of each class. All questions will be addressed then there will be a daily check in to assess the skill set before moving on. Students will be held accountable for their practice through this process.

### **MAKE UP WORK POLICY:**

Make up work will only be accepted based on the policies outlined in the handbook. Important: If absent from class due to tardiness or dismissal, work is still due on that day. Make up work is NOT granted for students cutting class.

### **GRADING POLICY:**

Grades will be calculated as follows:

Homework, Math IXL, and Classwork: 15%

Daily Check Ins and Quizzes: 35%

Tests and Projects: 50%

### **RETAKE POLICY:**

Learning is an ongoing process. Always put forth your best effort then reflect and correct! Assessments below 70% can be improved by completing the correction form and submitting within 48 hours. A retake will be given and the two grades will be averaged together. The highest grade from this process is 70%. Tests will be given at the end of each unit. A cumulative midterm and final will also be given. There will NOT be any extra credit!