



Salem-Keizer Public Schools
High School Course Syllabus

School: McKay High School

Instructor: Mrs. Reynolds

School Year: 2019-2020

Room: Annex A3

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| <p><u>Course Number and Title:</u> MA4064, Algebra 2</p> | <p><u>Subject Area:</u> Mathematics</p> |
| <p><u>Credits: 1.0</u> This course earns graduation credit in the following content area: Mathematics</p> | |
| <p><u>Graduation Requirements:</u> (CRLS)</p> <ul style="list-style-type: none"> • Apply decision-making and problem-solving techniques • Demonstrate effective communication skills to give and receive information • Demonstrate effective teamwork | |
| <p><u>Course Overview:</u> Algebra 2 is designed to familiarize students with the algebraic topics beyond the introductory level. The College Preparatory Mathematics (CPM) course is designed to provide a balance of problem-solving, skill development, and conceptual understanding. Students will use their critical thinking and purposeful speaking and listening skills in collaborative teams, as well as focused individual practice. Semester topics (following Oregon Common Core Standards) are listed below. Power standards are indicated with an asterisk (*).</p> | |
| <p>Semester 1: Investigations & Functions *Transforming Quadratics *Transforming Parent Graphs (square root, cubic, absolute value) *Polynomials & Rational Expressions *Systems of Linear & Nonlinear Equations Arithmetic & Geometric Sequences</p> | <p>Semester 2: *Linear Inequalities & Systems of Linear Inequalities *Trigonometric Functions *Exponentials & Rational Exponents *Functions & Inverses (Including Logarithms) Polynomials</p> |
| <p>Students will use these Mathematical Practices:</p> <ol style="list-style-type: none"> 1. Make sense of problems and persevere in solving them 2. Use quantitative reasoning and think abstractly 3. Construct viable arguments and constructively critique the reasoning of others 4. Apply mathematics to create suitable models to solve problems 5. Use appropriate tools to solve problems 6. Use appropriate precision when communicating their reasoning and can justify their mathematical claims 7. Look for patterns and make use of structure in problems 8. Evaluate the reasonableness of solutions and look for generalizations in problems. | |
| <p><u>District Adopted Materials:</u> College Preparatory Math, Core Connections Algebra 2</p> | |
| <p><u>Teacher Contact Information:</u> Email: reynolds_aimee@salkeiz.k12.or.us Google Classroom Code: 236t7rw E-book Login: ebooks.cpm.org, enroll pin: 25GTN I am often available for individual help or test retake opportunities after school, but please check with me first.</p> | |

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Homework Policy: Classwork will be completed in the student's notebook. Homework will be assigned most days. Homework will be due in packets of four assignments. Late Homework can be turned in for partial credit.

Behavioral Expectations:

1. Come prepared to learn every day. This includes bringing your notebook, paper and pencil (with eraser) to class every day.
2. Come to class on time. Students who are not prepared when class starts, will be marked tardy.
3. Be respectful of yourself, others, and property. Don't steal or damage our stuff! If it's not yours don't touch it.
4. Students will be responsible and productive team members. Much of the class work will be done in pairs or teams. Students will work in teams and are expected to cooperate with others, complete daily work together, stay on task as a team, and hold each other accountable for appropriate behavior.
5. ANYTHING that distracts you, including technology and headphones, needs to be put away for the duration of the class period. Refer to technology protocol for consequences.

Assessment/Evaluation/Grading Policy:

Scoring Rubric

| Score | Description |
|-------|--|
| 4.0 | Masters complex content |
| 3.5 | Masters standard content and can do some complex content |
| 3.0 | Masters standard content |
| 2.5 | Masters basic content and can do some standard content |
| 2.0 | Masters basic content |
| 1.0 | Valid attempt but lacks understanding |
| 0.0 | No valid attempt |

Progress tests will be given every three weeks. They may include questions from multiple standards. In order to pass a power standard you must earn a score of 2.0 or higher on that standard. Progress tests may be retaken. In order to do so, all homework and a retake review sheet must be turned in. This retake score will replace your previous test score for that progress test. Other interventions may also be provided throughout the year.

What does PROFICIENCY mean?

There are four "power standards" each semester

-In order to receive an A or B, students must master basic content in all standards

(If all four standards are passed, the student will receive the grade earned in synergy)

-In order to get a C, students must master basic content in at least 3 standards

(If three standards are passed, students will receive the grade earned in synergy, granted it is a C, D, or F)

-In order to pass the class with a D, students must master basic content in at least 2 standards

(If only two standards are passed, the highest grade a student may receive is a D, granted their percentage in synergy is high enough)

-If a student passes all standards they will receive at least a D, regardless of their percentage in synergy

(Ex: a student passes all standards but has a 31% for the class. Their grade will be changed from an F to a D)

Grade Scale

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|-----------------|---|-------------|
| 83.3% – 100% | A | 3.33 – 4 |
| 66.6% – 83.2% | B | 2.66 – 3.32 |
| 50% – 66.5% | C | 2 – 2.65 |
| 43.75% – 49.99% | D | 1.75 – 1.99 |
| 0% – 43.74% | F | 0 – 1.74 |

Grade Weights

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|------------------------------|-----|
| Tests | 75% |
| Quizzes & Team Tests | 15% |
| Homework/Classwork/Notebooks | 10% |