

GHS Course Syllabus

General Course Information

Subject: Algebra 2 Year: 2018-2019

Department: Mathematics Room #: 115 Periods Taught: 4A, 3B

Course Title: Algebra 2

Course Description: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the function, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solve exponential equations using properties of logarithms.

Algebra 2 focuses on four critical areas:

1. Polynomial, Rational and Radical Relationships
2. Trigonometric Functions
3. Modeling with Functions
4. Inferences and Conclusions from Data

Faculty Name: Emily McGinley
Bachelor of Science in Mathematics
Master of Arts in Teaching

Course/Faculty Website: <http://bit.ly/hmhhsd> (use your Hillsboro District username & password)
Username: full email address (first 4 of last name + first letter of first name + last three of student id + @hsd.k12.or.us)
Password (default): first 4 of last name + last 3 of student ID + 4 digit graduation year

Office Hours: 8:00-8:30am and 3:30-4:00pm

Welcome/Introduction to Course: Internet access is available at school during the school day and in the school library before and after school, during Homework Club, and at the Hillsboro Public Library.

Note to Parents: You can contact me through voicemail at (503) 844-1900 ext. 73144 or e-mail at mcginlee@hsd.k12.or.us

Learning Outcomes

Course Objectives: Course objectives are consistent with the Common Core State Standards for Mathematics. A detailed explanation of these standards can be found on the Oregon Department of Education website at <https://www.ode.state.or.us/wma/teachlearn/commoncore/ccssmath.pdf>

Students in this class will learn and be expected to:

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

Readings

Required Text: Algebra 2 (Houghton Mifflin Harcourt)

Supplies Needed: Bring your notebook, paper, pencil, and graphing calculator to class each day.

Grading & Plagiarism

Grading Categories & Percentages: Summative Assessment (90%): Tests & Quizzes
Formative Assessment (10%): Homework & Classwork
Grades are posted on Synergy at <https://myvue.hsd.k12.or.us>

Grading Scale:	90 - 100%	=	A
	80 - 89.9%	=	B
	70 - 79.9%	=	C
	60 - 69.9%	=	D
	50 - 59.9%	=	F

Late Work Policy: Homework is due on the announced due date. Late work will be penalized.

Re-take Policy: You may re-take any test for a maximum of a "C" grade. To be eligible for the re-take, all of your homework assignments for that unit must be completed and turned in.

Make-up Work Policy: Exams must be made up on your own time, either before or after school. Please make an appointment.

Cheating/Plagiarism Policy: Cheating/plagiarism is not tolerated and will be subject to disciplinary action.

Course Schedule/Outline: The following units are tentatively planned for this course. However, depending on student skills and progress, the schedule for this course is subject to change.

1st Semester:

Unit 1 – Functions

Unit 2 – Quadratic Functions, Equations, and Relations

Unit 3 – Polynomial Functions, Expressions, and Equations

Unit 4 – Rational Functions, Expressions, and Equations

2nd Semester:

Unit 5 – Radical Functions, Expressions, and Equations

Unit 6 – Exponential and Logarithmic Functions and Equations

Unit 7 – Trigonometric Functions

Unit 8 – Statistics & Probability

Classroom Conduct: All students and the teacher will work together to maintain a safe, supportive environment conducive to learning by showing respect for others – student to student, student to teacher, and teacher to student.

Students and Parents/Guardians – Please provide your signature below indicating you have read and understand the requirements and expectations of this course.

Student Signature & Date

Parent/Guardian Signature & Date