



Ola High School

Honors Algebra 2 Course Syllabus 2020 - 2021



Instructor: Tony Head

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Course Description:

In this course, we will break down the Algebra II standards into the mathematical foundations needed to achieve mastery in each standard. This course is designed to help the student review previous mathematical knowledge as well as continue to learn the concepts needed to succeed in following courses.

The fundamental purpose of this course is to reteach, analyze, and extend the mathematics that students learned in the middle grades and Algebra 1. The critical areas, organized into units, will be broken down into their basic components in order to revisit and extend understanding of functions by comparing and contrasting linear, quadratic, and exponential phenomena. Concepts will be presented in multiple ways such as concrete/pictorial, verbal/written, numeric/data-based, graphical and symbolic.

Unit 1: Quadratics Revisited

Unit 2: Observations With Polynomials

Unit 3: Polynomial Functions

Unit 4: Rational & Radical Relationships

Unit 5: Exponential & Logarithms

Unit 6: Mathematical Modeling

Unit 7: Inferences & Conclusions of Data

Remote Learning Expectations:

- 1) *Mute your microphone*
- 2) *Utilize the chat feature*
- 3) *Turn on your camera*
- 4) *Listen and actively engage in the presentation*
- 5) *Be ready when called upon to answer*
- 6) *Be flexible and positive in our new environment*

As we start this year in a unique way, here are some tips to success.

Be positive. ... Get organized—and stay organized. ...

Establish a flexible routine. ... Set personal goals. ...

Make the most of your resources. ... Start on track and stay on track. ..

Remote Learning Daily Schedule:

Monday/Wednesday

1st, 3rd, 5th, and 7th Periods

8:15-9:15* Block 1 (1st/2nd Period)
9:50-10:50* Block 2 (3rd/4th Period)
11:20-12:10 Lunch
12:10-1:10* Block 3 (5th/6th Period)
1:45-2:45 * Block 4 (7th Period/Break)

**Each Block is allotted 30 additional minutes for Independent Learning*

Tuesday/Thursday

2nd, 4th, and 6th Periods

Friday

All 7 Periods

8:15-9:05 1st Period
9:10-10:00 2nd Period
10:05-10:55 3rd Period
11:00-11:50 4th Period
11:50-12:35 Lunch
12:35-1:25 5th Period
1:30-2:20 6th Period
2:25-3:15 7th Period

Essential Class Materials:

Notebook Paper

Pencils or Pens

School-Issued Chromebook

Recommended Scientific Calculator: *TI-36X Pro Calculator*

Resources during Remote Learning and Beyond:

- **Google Classroom** – this will be where daily tasks, announcements, and helpful information will be located for the class
- **Google Meet** – this will be where the virtual class will meet for instruction and classtime
- **Google Calendar** – this will remind students of upcoming due dates and class events
- **HMH online** – this is the textbook resource that contains additional instruction and activities to solidify understanding
- **QUIA and Illuminate** – these are the assessment applications that will be used in conjunction with Go Guardian as needed.

Grade Breakdown:

Course Average: 80% (Practice and Assessments)

Semester Summative Assessment: 20%

Course Average:

-40% Practice- Classwork, homework, written reflections, weekly quizzes.

-40% Assessments- Unit test, culminating performance task.

Semester Exam

* Assesses ALL units in that semester

* Counts as 20% of final grade

Your success in this class depends on the amount of time and effort you are willing to put forth.

Working together, we can have a great year!