Course Overview: Trigonometry

Trigonometry is the study of the relationship between side lengths and angles. Students will be using real world examples to explore this relationship. We will then be exploring the graphs, equations, and practical applications of these relationships.

Units and Activities: What will we be learning about and doing in this course?

1. Practical Application of Previous Knowledge
2. Intro to Trigonometry
3. Graphing
4. Solving and using Trig functions
5. Problem Solving using Trig.

Standards: What knowledge and skills will I gain by the end of this course?

This course will assess the knowledge and skills students build in key Anchor Standards and Content Standards.

Anchor Standards:

- Sense Making and Problem Solving - Student will start by explaining to themselves the meaning of a problem and looking for entry points to its solution.
- Modeling - Students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace.
- Recognizing and Using Patterns - Students notice if calculations are repeated, and look both for general methods and for shortcuts.

Content Standards: This course builds student knowledge using the Common Core standards. The content standards for Trigonometry are:

Algebra, Functions, Number and Quantity, Modeling and Statistics

Assessment of Learning:

For information about assessment types, scoring, and overall grade calculation: [click here](#).

Communication:

How Do I Access Work from Home, and What Should I Expect?

- All work will be posted in Google Classroom.
- The work will be explained during our in-person meetings and/or by video posted to Google Classroom.
- The work will also be explained in our Class Planner posted to Google Classroom.
- If you have any questions, email your teacher.

How Do I Know What My Grades Are?

- On Summative Assessments, teachers will provide both a 4-point grade and a letter grade.
- You can monitor your progress in the following ways:
By reading feedback and scoring returned to students on summative assessments.

By monitoring the scores and Overall Course Mastery Grade in the Parent/Student portal on JumpRope. Reminders to check grades will be sent from the school.

Communicating with your teacher if you are unclear.

Where Can I Find This Syllabus during the School Year?
- This syllabus will be available on the school website in each subject’s department tab once the school year is up and running. It will also be available in our Google Classroom.

How Do I See What’s Due?
- Assignment and summative assessment due dates with handouts are posted in Google Classroom, with connection to Google Calendar, for student access.

How Do I See What’s Past Due?
- If a student is missing a grade on an assessment, it will be listed in the red “Missing Assessment” section of the JumpRope Parent/Student Portal along with any attachments. Please contact your teacher if you have any questions.

Materials:
Students need to have a
Two pocket folder
Writing utensil
Clipboard

Schoolwide Procedures:
Please see the Student Handbook for Procedures and Policies related to: Due dates and deadlines, extra credit, retaking assessments, and turnaround time for grade entry.

Personal Mobile Devices: This class will follow the procedures outlined in the student handbook.

Classroom Expectations:
Classroom norms and expectations will be established collaboratively during the first weeks of school and will be accessible on request at that point.