



High School Math Basic eLearning Guide – Week 8

Algebra Basic Overview

Algebra Basic : Quadratic Functions

- Students will be putting into practice their knowledge of quadratic functions in real-life situations.

Geometry Basic Overview

Geometry Basic : Volume of Cones and Pyramids

- Students will use formulas to calculate volume of cones and pyramids.

MMA Basic Overview

MMA Basic : Credit

- Students will understand some of the reasons for getting credit and how to read credit card statements.
 - Students will understand some of the advantages and disadvantages of using credit.
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Algebra Basic eLearning Guide - MATH

Objectives

- Students will be putting into practice their knowledge of quadratic functions to real-life situations.

Note: Beginning the week of April 14 and in alignment with our Adjusted Grading Guidelines, teachers in grades 6-12 may assign student work from the Digital Backpack eLearning guide, or from the teacher's itsLearning course, for a grade.

For Parents

- Have your student complete the tasks below.
- Have your student watch the videos to help them complete the tasks

For Students

- **Task 1:** Complete Section 1: Quadratic Transformation-Snowboard Quadratic
- **Task 2:** Complete Section 2: Quadratic Transformation-Snowboard Quadratic
- **Task 3:** Complete Section 3: Quadratic Transformation-Snowboard Quadratic

Resources

- **Download:** [Student Accessibility Supports](#)

Geometry Basic eLearning Guide - Math

Objectives

- Students will use formulas to calculate the volume of cones and pyramids.

Note: Beginning the week of April 14th, and in alignment with our Adjusted Grading Guidelines, teachers in grades 6-12 may assign student work from the Digital Backpack eLearning guide, or from the teacher's itsLearning course, for a grade.

For Parents

- Your student will be building on skills learned in middle school to solve volume. The volume is a measure of how much a figure can hold and is measured in cubic units.

For Students

Spheres

- **Task 1:** Watch video on Volume of a Cones and Pyramids
- **Task 2:** Read Notes on Volume of Cones and Pyramid
- **Task 3:** Practice on Volume of Cones ([answer key](#))
- **Task 4:** Practice on Volume of Cones and Pyramids
- **Task 5:** Practice IXL Volume of Cones and Pyramids

Resources

- **Download:** [Student Accessibility Supports](#)

MMA Basic eLearning Guide - MATH

Objectives

- Students will understand some of the reasons for getting credit.
- Students will understand some of the advantages and disadvantages of using credit.

Note: Beginning the week of April 14th, and in alignment with our Adjusted Grading Guidelines, teachers in grades 6-12 may assign student work from the Digital Backpack eLearning guide, or from the teacher's itsLearning course, for a grade.

For Parents

- In today's world, credit is integrated into everyday life. From renting a car to reserving an airline ticket or hotel room, credit cards have become a necessary convenience. However, using credit wisely is critical to building a solid credit history and maintaining fiscal fitness. While most students have a general idea about the advantages and disadvantages of credit, this lesson provides an opportunity to understand the details of credit cards.

For Students

Credit

- **Task 1:** Video on How to Read your Credit Card
- **Task 2:** Notes on Credit Cards.
- **Task 3:** Credit Card identification Activity (**Answer Key**)

Resources

- **Critical Information You Need to Know:** [Credit Card Basics for High School Students](#)
- **Critical Information You Need to Know:** [Practical Money Skills](#)
- **Download:** [Student Accessibility Supports](#)