High School Math Basic – Week 7

Algebra Basic Overview

Algebra Basic : Quadratic Functions

- Students will be able to identify the domain and range of quadratic functions and the vertex form.

Geometry Basic Overview

Geometry Basic: Volume of Prisms and Cylinders

- Students will use formulas to calculate the volume of prism and cylinders.

MMA Basic Overview

MMA Basic: Credit

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

Algebra Basic - MATH

Objectives

- Students will be able to identify vertex, domain, and range of quadratic functions from the vertex form.

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

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

For Students

- **Task 1**: Read Vertex Form Notes
- **Task 2**: Read Domain Notes and Practice
- **Task 3**: Vertex Form Practice: Finding Domain, Range, and Vertex (answer key)
- **Task 4:** Quadratic Practice Altogether

Resources

- **Download:** Student Accessibility Supports

Geometry Basic - Math

Objectives

- Students will use formulas to calculate the volume of prisms and cylinders.

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 students 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 Prism Volume
- **Task 2:** Watch video on Cylinder Volume
- **Task 3:** Read Notes on Volume of Prism and Cylinder
- **Task 4:** Practice on Volume of Prism and Cylinder
- **Task 5:** Mathopolis Questions (online practice)

Resources

- **Download:** Student Accessibility Supports
- **Extra** Volume of Prisms
- Video on finding Volume for Prisms and Cylinders
- Practice: Volume of Cylinders

MMA Basic - 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 discuss these issues in more detail.

For Students

Credit

- **Task 1:** **Power Point:** Credit Lesson
- **Task 2:** Video on building Credit
- **Task 3**: Video on 3 C's of Credit
- **Task 4:** **Practice:** Test Your Credit Knowledge (**Answer Key**)
- **Task 5:** **Practice:** Credit Worksheet (**Answer Key**) Exempt #5 and #10

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