



Grade 7 eLearning Guide – Week 8

Math: Slope and y-intercept

- Students will identify slope and y-intercept from a graph and table.

Math PreAp: Translations, Reflections, and Rotations

- Students will describe the effect of translation, rotation, or reflection using algebraic representation.

Beginning Week 5 all high school courses will be conducted through your math teacher.

Science: Accommodations that Enable Manned Space Exploration

- Students will know components of our solar system.
- Students will identify the accommodations that enable manned space exploration.

Language Arts: Is it good to be greedy?

- Students will synthesize information from several articles on similar topics.
- Students will evaluate both sides of an issue and pick a side with which they agree.
- Students will write an argumentative essay and provide evidence that supports their side.

Social Studies: European Exploration of North America (Part 2)

- Students will understand the causes of European exploration of North America, focusing on the various explorers' expeditions to North America.

Grade 7 - MATH

Objectives

- Students will be able to identify slope and y-intercept from a graph and table.

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

- Your student will learn about slope and y-intercept.
- Have your student complete the tasks below.
- Have your student watch the videos to help them complete the tasks.

For Students

Identifying Slope and y-intercept

- [Task 1](#): Slope and y-intercept from a graph video
- [Task 2](#): Slope and y-intercept from a table video
- [Task 3](#): Determining Slope and y-intercept ([Answer Key](#))
- [Task 4](#): Slope and y-intercept practice ([Answer Key](#))

Additional Resources

- If you can access your campus math adaptive software, please do!

Grade 7 - MATH PreAP

Objectives

- Students describe the effect of translation, rotation, or reflection using algebraic representation.

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

- Your student will learn about translations, reflections, and rotations.
- Have your student complete the tasks below.
- Have your student watch the videos to help them complete the tasks.

For Students

Algebraic Representations

- **Task 1:** Algebraic Representations of Transformations video
- **Task 2:** Algebraic Representations of Transformations ([Answer Key](#))
- **Task 3:** Algebraic Representations of Transformations Practice ([Answer Key](#))

Additional Resources

- If you can access your campus math adaptive software, please do!

Grade 7 - SCIENCE

Objectives

- Students know components of our solar system.
- Students identify the accommodations that enable manned space exploration

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

- Parents help your student learn the meanings of the terms for this concept by using the [Accommodations for Space Exploration Picture Vocabulary](#)
- Ask your student to share some of the things scientists have done to make Manned Space Exploration a possibility for humans.

For Students

- Students complete "What Is This?" as they begin to think about how humans are able to conduct Manned Space Explorations. ENGAGE
- Students watch as Astronaut Christina Koch reads the children's book "[Hey-Ho To Mars We'll Go](#)". Pay attention to the different things that astronauts need to prepare for travel to space.
- Students EXPLORE "[Accommodations That Enable Manned Space Exploration](#)" and describe the accommodations they learned about in this activity.
- Students use the [Accommodations for Space Exploration Picture Vocabulary](#) to EXPLAIN their learning about the [Accommodations for Space Exploration](#).
- Students check their learning by completing the [Manned Space Exploration Check](#).
- Students EVALUATE their learning by completing the [Accommodations that Enable Manned Exploration Assessment](#). Submit your answers to your teacher.

Resources

- [Manned Space Exploration Check - KEY](#)

Grade 7 - LANGUAGE ARTS

Objectives

- Students will synthesize information from several articles on similar topics.
- Students will evaluate both sides of an issue and pick a side with which they agree.
- Students will write an argumentative essay and provide evidence that supports their side.

Essential Question

- Is it good to be greedy?

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

- If you have access to a printer, print the tasks below. If you do not have printer access, students can access the texts online.
- Have your student read each text and answer the questions. If your student needs assistance with reading, see the note about Commonlit in the "Resources" section below.
- For the more difficult questions and the comparative task, encourage your student to discuss and brainstorm their ideas.
- If students complete writing tasks, encourage them to read what they've written aloud and revise their work for clarity.
- Complete this process for all lessons.

For Students

- **Task 1:** Greed
 - **Video** for Question 3
- **Task 2:** "Klondike Gold Rush"
- **Task 3:** "Keeping Up with the Joneses"
- **Task 4:** "Capitalism"
- **Task 5:** Plan and write your essay.
- Extension Activity:
 - Read a book for 30 minutes.
 - **Log** to keep track of reading.

Resources

- **CommonLit** is offering free **parent accounts**.
- **Sora** is a free app with books and reading resources for students. Log in with SBISD credentials.
- **Noredink** is a free online writing platform. Students should start with the modules for "Sentences, Phrases, and Clauses."

Grade 7 - Social Studies

Objectives

- Students will understand the causes of European exploration of North America, focusing on the various explorers' expeditions to North America.

Essential Question

- How did the age of exploration and discovery change Europe's understanding of the world? (PART 2)

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

- If you have access to a printer, print the tasks below. If you do not have printer access, have your student read the texts/view the images on their device and then copy the questions by hand onto lined paper.
- Have your student read each text and answer the questions. Students can access and use the video below by being logged into Discovery Ed through their Clever login. These may provide additional context for the learning objectives.
- For the more difficult questions, discuss and brainstorm ideas with your student prior to answering the questions.
- After students have completed the writing tasks, encourage them to read what they've written aloud to help them revise their work for clarity.

For Students

- **Task 1:** Vasco Nunez de Balboa
 - Check your answers with the [Answer Key](#)
- **Task 2:** The Legend of the Northwest Passage
 - Video: [England Enters the Race](#)
- **Task 3:** Conquering New Worlds
- **Task 4:** Beyond the Americas
- **Task 5:** Henry Hudson and the Northwest Passage

Resources

- The videos below are optional. To access the videos, log in to our Discovery Ed account through Clever in itsLearning.
 - [Discoveries America National Parks: Dry Tortugas](#) (Video for Task 3)
 - [Crossing the Swamps](#) (Video for Task 3)
 - [The Northwest Shores](#) (Video for Task 5)
 - [Henry Hudson's Second Expedition](#) (Video for Task 5)