



Grade 8 eLearning Guide – Week 3

Math 8 and 8 preAP: Personal Financial Literacy

- Students will learn the importance of saving money.
- Students will calculate simple and compound interest.
- Students will compare different interest rates when borrowing money.

Math 8 and 8 preAP have this unit in common.

Link for Students taking high school math courses: [High School Math](#)

Science: The Electromagnetic Spectrum

- Students will explain data on the Hertzsprung-Russell Diagram and the relationship of temperature and brightness of a star.
- Students will identify how different wavelengths of the Electromagnetic Spectrum are used to gain information about the components in the Universe.

Language Arts: Beauty

- Students will analyze a poem text for figurative language and tone.
- Students will read a nonfiction article to determine the author's claim and purpose.
- Students will read and analyze fiction and nonfiction with central ideas connected to the concept of beauty.

Social Studies: Reconstruction (Continued)

- Students will compare and contrast cultural and ethnic characteristics of South Asia.
- Students will assess the long-term social and cultural impacts of Reconstruction on various groups.
- Students will account for Southern distrust of federal governments and Northern interests.
- Students will analyze primary and secondary sources to help answer the Essential Question: In what ways did Reconstruction change Southern Society?

Grade 8 - MATH

Objectives

- Students will learn the importance of saving money.
- Students will calculate simple and compound interest.
- Students will compare different interest rates when borrowing money.

Note: Tasks are not intended to be graded. This work is to support understanding of the subject area.

For Parents

- Your child is exploring a range of topics from saving, interest, and borrowing money.
- Have your child complete the tasks below.
- Have your child watch the videos in Additional Resources, if they need help understanding how to find Simple and Compound Interest.
- Have conversations with your child about the importance of saving money and the importance of paying off debt when borrowing money.

For Students

Saving Money

- **Task 1:** Money to Save
- **Task 2:** Using a Savings Calculator ([Answer Key](#))
- **Task 3:** Simple and Compound Interest ([Answer Key](#))

Borrowing Money

- **Task 4:** Which is a Better Deal ([Answer Key](#))
- **Task 5:** Borrowing Money ([Answer Key](#))
- **Task 6:** Credit Card Payoff ([Answer Key](#))

Additional Resources

Looking for more math?

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

Helpful Videos

- [Calculating Simple Interest](#)
- [Calculating Compound Interest](#)

Grade 8 - SCIENCE

Objectives

- The student is expected to identify how different wavelengths of the electromagnetic spectrum such as visible light and radio waves are used to gain information about components in the universe.

Note: Tasks are not intended to be graded. This work is to support understanding of the subject area.

For Parents

- Ask your students to explain the different types of waves that are found in the Electromagnetic Spectrum.
- Help your student check their work by using the Answer Keys provided in the Resources section.

For Students

- Students read about [“My EM Experience”](#) and think about the types of energy that moves in waves throughout the Universe.
- Students EXPLORE how scientists gain information about the components in the Universe using the [Electromagnetic Spectrum Student Guide](#) and recording their learning in the [Electromagnetic Spectrum Student Journal](#). Use the [EMS MATCH](#) items to complete work in the Student Journal.
- Students read [The Electromagnetic Spectrum](#) and EXPLAIN their learning about the Energy waves that travel through the Universe by completing the [EM Spectrum Card Sort](#).
- Students watch [What Makes Up the Electromagnetic Spectrum](#) (STEMScopes).
- Students check their understanding of what they have learned by completing the [Electromagnetic Waves Concept Map](#).

Resources

- See how you can look at the spectrum of visible light by making a [CD Spectroscope](#). Scan down the page and watch the video. You are not required to make one, just see how it works.
- Electromagnetic Spectrum EXPLORE - [Answer Key](#)
- EM Spectrum Card Sort - [Answer Key](#)
- Additional [Electromagnetic Spectrum Reading](#)

Grade 8 - LANGUAGE ARTS

Objectives

- Students analyze a poem text for figurative language and tone.
- Students read a nonfiction article to determine the author's claim and purpose.
- Students read and analyze fiction and nonfiction with central ideas connected to the concept of beauty.

Essential Question

- How do we define beauty?

Note: Tasks are not intended to be graded. This work is to support understanding of the subject area.

For Parents

- If you have access to a printer, print the texts 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:** "This World"
- **Task 2:** "Behind Closed Doors: 'Colorism' in the Caribbean"
- **Task 3:** "Snow White"
- **Task 4:** "Going, Going, Gone!"
- Extension Activity:
 - Read a book for 30 minutes.
 - [Log](#) to keep track of reading.

Resources

- [CommonLit](#) is offering free [parent accounts](#). Many of the reading assignments above come from CommonLit. If your student needs assistance with the readings, create an account, search for the article by title, and click the "Read Aloud" button.
- [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 "Body Paragraphs: Claims, Evidence, and Reasoning."

Grade 8 - Social Studies

Objectives

- Students will assess the long-term social and cultural impacts of Reconstruction on various groups.
- Students will account for Southern distrust of federal governments and Northern interests.
- Students will analyze primary and secondary sources to help answer the Essential Question: In what ways did Reconstruction change Southern Society?

Essential Question

- In what ways did Reconstruction change Southern society?

Note: Tasks are not intended to be graded. This work is to support understanding of the subject area.

For Parents

- If you have access to a printer, print the texts below. If you do not have printer access, students can access the texts online.
- Have your student read each text and answer the questions/follow the directions for each task.
- 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 revised their work for clarity.
- Complete this process for all lessons.

For Students

- [Task 1](#): Building Context with Classical Invention
- [Task 2](#): Image Analysis
- [Task 3](#): Spelman College: A Fascinating Place (text)
- [Task 4](#): Analysis of Documents (texts, graphics)
- [Task 5](#): Planning and Drafting Your Response

Resources

- [Reconstruction: The 15th Amendment and African American Men in Congress](#) (video)
- [Reconstruction: The Birth of a Nation - Rewriting History through Propaganda](#) (video)