



## Grade 8 eLearning Guide – Week 1

### Math: Review of Algebraic Reasoning

- Students will identify if it is a function or not a function
- Students will describe a situation as Proportional or Non-Proportional
- Students will find Unit Rate as Slope
- Students will find Rate of Change/Slope and y-intercept
- Students will write an equation from a situation, table, or graph
- [Click here for HIGH SCHOOL content.](#)

### Science: Components of the Universe

- Students will describe the components of the universe
- **Guiding Questions:** What characteristics of stars, nebulae, and galaxies give us information about the Universe?
  - Where is our Sun located within the Milky Way galaxy?
  - How close is Earth to the Sun compared to other stars?
  - What have scientists learned about stars using the Hertzsprung-Russell diagram?

### Language Arts: Improving Society

- Students read texts from different genres that share a common theme
- Students analyze a variety of texts for main idea, theme, and author's craft
- Students compare and contrast two texts on a similar theme

### Social Studies: Reconstruction

- Students will explain the social and economic problems faced by the nation following the Civil War
- Students will evaluate the effectiveness of key components of Congressional Reconstruction, including the Freedmen's Bureau and the establishment of military control of the South

# Grade 8 eLearning - MATH

## Objectives

- Students will identify if it is function or not a function
- Students will describe a situation as Proportional or Non-proportional
- Students will find Unit Rate as Slope
- Students will find rate of change/slope and y-intercept
- Students will write an equation from a situation, table or graph

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

## For Parents

- Your child will be reviewing Algebra topics from the first semester.
- Have your child complete the tasks below.
- Have your child watch videos if they don't remember how to do the topic.

## For Students

### Functions

- [Task 1](#): Is it a Function ([Answer Key](#))

### Unit Rate, Slope, and y-intercept

- [Task 2](#): Unit Rate As Slope ([Answer Key](#))
- [Task 3](#): Rate of Change/Slope and y-intercept ([Answer Key](#))

### Linear Relationships

- [Task 4](#): Writing Equations ([Answer Key](#))
- [Task 5](#): Proportional and Non-Proportional Activity ([Answer Key](#))

## Resources

**REVIEW** - You may watch videos if you need a refresher.

- [Video](#): Identifying Functions
- [Video](#): Finding slope and y-intercept from a graph. Writing the equation in slope intercept form.
- [Video](#): Finding slope and y-intercept from a table. Writing the equation in slope intercept form.

# Grade 8 eLearning - SCIENCE

## Objectives

- Students will describe the components of the Universe.
- Students will describe the relationships between Universe, Galaxies, Stars, and Nebulae.
- Students will describe how Stars are classified using the Hertzsprung-Russell Diagram.

**Note: Tasks are not intended to be graded. This work is to support understanding of the subject area.**  
> **Other additional instructions here.**<

## For Parents

- Ask your students about the size and distance of the components (objects) in space. When they complete the ENGAGE portion of the lesson, you can help them check the [Actual Ranking of Universe Components](#)
- Use the information in the [Components of the Universe Vocabulary](#) to help your students understand the definitions of the objects. You can challenge your student in the online quiz [Components of the Universe Check For Understanding](#).
- Students need a paper copy of the student journal to complete their work in the EXPLORE portion of the lesson.

## For Students

- Students will order Universe components by Size and Distance from Earth by completing the ["What Do You Know About The Universe"](#) Activity - ENGAGE
- Students will classify galaxies that are found in the Universe using the [Components Of The Universe Student Guide](#) and the [Components Of The Universe Student Journal](#). Students will reference the [Mystery Galaxies](#) resource and the [H-R Diagram](#) resource to complete their work on this activity - EXPLORE
- Check your learning by completing the [Components of the Universe Check For Understanding](#).
- Students will read [Components Of The Universe](#) article and practice explaining their learning. - EXPLAIN
- Students use terms from learning to complete the [Cloze-ing in on Science Check for Understanding](#).
- Students EVALUATE what they have learned by completing [Universe Components CER](#)

## Resources

- [Actual Ranking of Universe Components](#)
- [Components of the Universe Vocabulary](#)
- [Cloze-ing in on Science Key](#)
- [CER Universe Components Key](#)

# Grade 8 eLearning - LANGUAGE ARTS

## Objectives

- Students read texts from different genres that share a common theme.
- Students analyze a variety of texts for main idea, theme, and author's craft.
- Students compare and contrast two texts on a similar theme.

## Essential Question

- What can we do to improve 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. *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](#): "The Blue-Eyed, Brown-Eyed Exercise"
- [Task 2](#): "Jabari Unmasked"
- [Task 3](#): Compare Texts
- [Task 4](#): "A Teen and a Trolley Reveal Society's Dark Side"
- [Task 5](#): "Little Things Are Big"
- [Task 6](#): Compare Texts
- 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 eLearning - Social Studies

## Objectives

- Students will explain the social and economic problems faced by the nation following the Civil War.
- Students will evaluate the effectiveness of key components of Congressional Reconstruction, including the Freedmen's Bureau and the establishment of military control of the South.

## Essential Question

- How did the Civil War and Reconstruction affect life for future generations of Americans?

**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](#): Image Analysis of Reconstruction
- [Task 2](#): Laura Matilda Towne
- [Task 3](#): Tragedy at Ford's Theater
- [Task 4](#): Image Analysis of Reconstruction #2
- [Task 5](#): Unity and Division

## Resources

- [Reconstruction](#): Infopage
- [Facing History](#): Video Series on Reconstruction