

SPRING BRANCH ISD

**DIGITAL
BACKPACK**

GRADE 7



Grade 7 eLearning Guide – Week 3

Math7 and 7 preAP: Dot Plots, Bar Graphs, and Circle Graphs

- Students will analyze dot plots.
- Students will analyze bar graphs.
- Students will analyze circle graphs.

Math 7 and 7 preAP have this unit in common.

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

Science: Effects of Weathering and Erosion on Texas Ecoregions

- Students will research the environment in Texas Ecoregion of their choice.
- Students will describe the role of Ecological Succession in an environment.

Language Arts: The People We Love

- Students will analyze realistic fiction texts for theme and character motivation.
- Students will compare and contrast 2 texts on a similar theme.

Social Studies: Texas Oil

- Students will explore the social impact Texas Oil had on society. Students will analyze primary and secondary documents to help answer the essential question: What was Texas Oil's impact on social change?

Grade 7 - MATH

Objectives

- Students will analyze dot plots.
- Students will analyze bar graphs.
- Students will analyze circle graphs.

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

For Parents

- Your child is analyzing dot plots, bar graphs, and circle graphs.
- Have your child watch the two videos in Task 1 and Task 2.
- Have your child look at and do the examples for Task 3.
- Have your child complete the remaining tasks.
- Revise work as needed.

For Students

Dots Plots, Bar Graphs, and Circle Graphs

- [Task 1](#): Video - Bar Graphs and Dot Plots
- [Task 2](#): Video - Circle Graphs
- [Task 3](#): Analyzing Categorical Data ([Answer Key](#))
- [Task 4](#): Analyzing Dot Plots ([Answer Key](#))
- [Task 5](#): Analyzing Circle Graphs and Dot Plots ([Answer Key](#))
- [Task 6](#): Bar Graphs and Circle Graphs ([Answer Key](#))

Resources

Looking for more math?

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

Grade 7 - SCIENCE

Objectives

- Students will research the environment in Texas Ecoregion of their choice.
- Students will describe the role of Ecological Succession in an environment.

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

For Parents

- Ask your students to tell you about the ecoregion they have chosen to research. Your student will have a Texas Ecoregion Research Data Table that they can share with you.
- Watch the Born From Fire video with your student and talk about what happened.
- Ask your student to EXPLAIN the term "Succession". See if they can tell the difference between primary and secondary succession.

For Students

- Students choose the city of one of the Texas ecoregions as seen on the [Texas Ecoregions Research Data Table](#). Follow the directions for the research on the [Texas Ecoregion Research](#) page. Use the information from the Ecoregion Research Resources links below.
- Students watch [Born From Fire](#) and then look at the picture of the [Washington State Mudslide](#). Ask yourself these questions:
 - What will happen next? What factors allow plants to be able to live there? How do the plants spread into the area? Will all types of plants move in at the same time?
- Students EXPLORE the changes over time of a temperate forest in [Sequencing Succession](#).
- Students EXPLAIN their learning after reading [Primary and Secondary Succession](#) [Primary and Secondary Succession - Spanish](#)
- Students check their learning by completing the [Succession Concept Map](#).

Ecoregion Research Resources

- [Texas Natural Regions Research](#)
- [Maps of Texas Ecoregions](#)
- [Weathering and Erosion - Texas Ecoregions](#)
- [Average Wind Speeds Map Data - NOAA](#)
- [Average Temperature Map Data - NOAA](#)

Resources

- Edumedia-Watch each simulation of [weathering, erosion, and deposition](#).
- [Texas Ecoregions Data Table KEY](#)
- [Succession Concept Map KEY](#)

Grade 7 - LANGUAGE ARTS

Objectives

- Students will analyze realistic fiction texts for theme and character motivation.
- Students will compare and contrast 2 texts on a similar theme.

Essential Question

- How do we express love differently in romantic and family situations?

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 revised their work for clarity.
- Complete this process for all lessons.

For Students

- **Task 1:** "Mother and Daughter"
- **Task 2:** "The Drive-In Movies"
- **Task 3:** Comparing Texts
- **Task 4:** "Seventh Grade"
- **Task 5:** "The Challenge"
- **Task 6:** Comparing 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 "Sentences, Phrases, and Clauses."

Grade 7 - Social Studies

Objectives

- Students will explore the social impact Texas Oil had on society.
- Students will analyze primary and secondary documents to help answer the essential question: What was Texas Oil's impact on social change?

Essential Question

- What was Texas Oil's impact on social change?

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.
- This week, your student will write a DBQ (Document Based Question) essay.
 - Some tasks require your student to read a text and answer questions. They can answer these questions on lined paper, a notebook, or a separate document like Microsoft Word or Google Docs.
 - Other tasks will allow students to check their previous answers. Students should use these tasks to go back and revise their work.
 - The final task is to write an essay. Before they draft the essay, encourage your student to plan it out using a pre-writing strategy they have learned in school, such as outlining or creating a graphic organizer.

For Students

- **Task 1:** Analyze the Hook & Background Essay. Then check your answers.
- **Task 2:** Analyze Document A. Then check your answers.
- **Task 3:** Analyze Documents B & C. Then check your answers.
- **Task 4:** Analyze Document D. Then check your answers.
- **Task 5:** Organizing Your Thinking and Drafting Your Response

Resources

- [Watch this video](#) for help analyzing documents and writing a DBQ essay.
- Review the [basic strategies](#) of persuasive writing.
- [How the Texas Oil Boom Led to this 1937 American Tragedy](#) (video)