

SPRING BRANCH ISD

**DIGITAL
BACKPACK**

GRADE 6



Grade 6 eLearning Guide – Week 4

Math 6 & Math 6 PreAP: Dot Plots, Stem and Leaf Plots, and Histograms

- Students will create and interpret dot plots.
- Students will create and interpret stem and leaf plots.
- Students will create and interpret histograms.

Math 6 and 6 preAP have this unit in common.

Link for students taking upper grade courses: [6 preAP](#), [7 preAP](#) or [High School Math](#)

Science: Classifying Living Organisms

- Students classify living organisms by identifying basic characteristics and sorting them within the broad categories, "Domains", and specific categories, "Kingdoms".

Language Arts: The Attitude of Success

- Students will explore how characters in texts and people in real-life situations respond to the obstacles they face.

Social Studies: Humans and the Environment in East Asia

- Students will describe how early civilizations in East Asia used the land.
- Students will analyze the impact of limited resources on geographically smaller nations, including Japan and the Koreans.
- Students will evaluate the impact of industrial growth on the environment in East Asia, particularly in China.

Grade 6 eLearning Guide – MATH

Objectives

- Students will create and interpret dot plots.
- Students will create and interpret stem and leaf plots.
- Students will create and interpret histograms.

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 child will be learning how to create and interpret dot plots, stem and leaf plots, and histograms.
- Have your child complete the tasks below.
- Have your child watch the videos to help them complete the tasks.

For Students

Dot Plots

- [Task 1](#): Creating a Dot Plot video
- [Task 2](#): Describing a Dot Plot video
- [Task 3](#): Dot Plots and Data Distribution ([Answer Key](#))
- [Task 4](#): Dot Plots and Data Distribution Practice and Problem Solving ([Answer Key](#))

Stem and Leaf Plots and Histograms

- [Task 5](#): Stem and Leaf Plot video
- [Task 6](#): Histogram Video
- [Task 7](#): Stem and Leaf Plot and Histograms ([Answer Key](#))
- [Task 8](#): Stem and Leaf Plot and Histograms Practice and Problem Solving ([Answer Key](#))

Resources

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

Grade 6 eLearning Guide – SCIENCE

Objectives

- Students classify living organisms by identifying basic characteristics and sorting them within the broad categories, “Domains”, and specific categories, “Kingdoms”.

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

- Ask your students to tell you about the broadest classification of living organisms: Domains: Archaea, Bacteria, and Eukarya.
- Watch the videos with your students and discuss the history of the current system of classification.
- Help your students check their learning using the keys in the Resources section.

For Students

Students - This week you will continue to practice with the topics you have been learning for the past couple of weeks. Topics: Basic Characteristics of living organisms, Classification of organisms in the 3 Domains, Classification of organisms in 6 Kingdoms.

- Students ENGAGE in the [Classification of Organisms Slideshow](#) and complete the [Classification of Organisms student page](#).
- Students complete all 5E activities on the [Classification Of Living Things](#) page on Texas Gateway for online resources. Use the [Kingdoms Classification Table](#) to record information in the EXPLAIN 2 section of your work. You will stop when you reach the Teacher Notes section.
- Find out how the Domain Archaea became a part of the classification system of living organisms. Watch [Archaea and the Tree of Life](#), and [Archaea: The hidden Domain of Life](#), to learn about the organisms in this Domain.
- Check your learning from the videos by completing the [Taxonomic Classification History check for understanding](#).
- To learn more about the Domains, watch [Domains and Kingdoms of Life](#).
- Check your learning about the broadest category for classifying organisms by completing the [Characteristics of Domains](#) check for understanding.

Resources

- [Taxonomic Classification History - KEY](#)
- [Characteristics of Domains - KEY](#)

Grade 6 eLearning Guide – LANGUAGE ARTS

Objectives

- Students will read various genres with similar themes.
- Students will analyze how authors use diction and language to communicate their messages.
- Students will reflect on their learning in writing or through discussion.

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 iLearning course, for a grade.

Essential Question

- How does one's attitude impact their level of success?

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 have written aloud and revised their work for clarity.
- Complete this process for all lessons.

For Students

- [Task 1](#): "Sometimes a Dream Needs a Push"
- [Task 2](#): "What My Father Said"
- [Task 3](#): "A Quick Note on Getting Better at Difficult Things"
- [Task 4](#): "Noticing Mistakes Boosts Learning"
- Extension Activities:
 - 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 module for “Sentences, Phrases, and Clauses” and continue working through the modules.

Grade 6 eLearning Guide – Social Studies

Objectives

- Students will describe how early civilizations in East Asia used the land.
- Students will analyze the impact of limited resources on geographically smaller nations, including Japan and the Koreas.
- Students will evaluate the impact of industrial growth on the environment in East Asia, particularly in China.

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.

Essential Question

- How have humans modified and impacted the environment in East Asia?

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, encourage your student to discuss and brainstorm their ideas.
- If students complete writing tasks, encourage them to read what they have written aloud and revised their work for clarity.
- Complete this process for all lessons.

For Students

- [Task 1](#): Map Analysis I
- [Task 2](#): Map Analysis II
- [Task 3](#): Image/Graphic Analysis
- [Task 4](#): China's Stone Forest
- [Task 5](#): Fishing in Japan

Resources

- [Encyclopedia Britannica](#)
- [History.com](#)
- [BBCTeach channel](#)