

SPRING BRANCH ISD

**DIGITAL
BACKPACK**

GRADE 6



Grade 6 eLearning Guide – Week 6

Math: Angles and Triangles

- Students will determine if three line segments make a triangle.
- Students will solve problems finding the missing angle of a triangle and determine which side lengths go with which angles.

Math 6 PreAP: Angles and Triangles

- Students will determine if three line segments make a triangle.
- Students will solve problems finding the missing angle of a triangle and determine which side lengths go with which angles.
- Students will establish facts about the angle sum and exterior angles of a triangle.
- Students will establish facts about parallel lines cut by a transversal.

Link for students taking upper-grade courses: [7 preAP](#).

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

Science: Practicing Taxonomy

- Students will describe and explain how basic characteristics of organisms are used to determine which Domain and Kingdom they belong to.
- Students will refine their practice of classifying living organisms.

Language Arts: Powerful Women

- Students will analyze a self-portrait and listen to an expert's analysis.
- Students will read nonfiction and determine the central message.
- Students will analyze how authors use diction and language to communicate their messages.
- Students will reflect on their learning in writing or through discussion.

Social Studies: Tradition and Modernization in East Asia

- Students will study the characteristics of Mongolia, China, Korea, and Japan to explain how the cultures impact the tradition and modernization of East Asia.
- Students will use their knowledge to respond in writing to the essential question.

Grade 6 eLearning Guide - MATH

Objectives

- Students will determine if three line segments make a triangle.
- Students will solve problems finding the missing angle of a triangle and determine which side lengths go with which angles.

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 be learning about angles and triangles.
- Have your student complete the tasks below.
- Have your student watch the videos to help them complete the tasks.

For Students

Angles and Triangles

- [Task 1](#): Triangle Inequalities video
- [Task 2](#): Triangle Inequality [\(Answer Key\)](#)
- [Task 3](#): What is the Sum of Angles of a Triangle video
- [Task 4](#): Sum of Angle Measures of a Triangle [\(Answer Key\)](#)
- [Task 5](#): Relationship between Sides and Angles of a Triangle [\(Answer Key\)](#)

Resources

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

Grade 6 eLearning Guide - MATH PreAP

Objectives

- Students will solve problems involving relative frequency and percent bar graphs.
- Students will determine if three line segments make a triangle.
- Students will solve problems finding the missing angle of a triangle and determine which side lengths go with which angles.
- Students will establish facts about the angle sum and exterior angles of a triangle.
- Students will establish facts about parallel lines cut by a transversal.

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 student will be learning about percent bar graphs, angles, and triangles.
- Have your student complete the tasks below.
- Have your student watch the videos to help them complete the tasks.

For Students

Angles and Triangles

- **Task 1:** Triangle Inequalities video
- **Task 2:** Triangle Inequality **(Answer Key)**
- **Task 3:** What is the Sum of Angles of a Triangle video
- **Task 4:** Sum of Angle Measures of a Triangle **(Answer Key)**
- **Task 5:** Relationship between Sides and Angles of a Triangle **(Answer Key)**
- **Task 6:** Angle Relationships **(Answer Key)**
- **Task 7:** Exterior Angles of Triangle video
- **Task 8:** Transversals and Exterior Angles of a Triangle **(Answer Key)**

Resources

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

Grade 6 eLearning Guide - SCIENCE

Objectives

- Students will describe and explain how basic characteristics of organisms are used to determine which Domain and Kingdom they belong to.
- Students refine their practice of classifying living organisms.

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, your students have been spending the last few weeks learning about the basic characteristics of living organisms. They have studied the characteristics that are used to classify organisms into the Three Domains and Six Kingdoms.
- Ask your students to share the characteristics. Prokaryote, Eukaryote, Unicellular, Multicellular, Autotrophic, Heterotrophic, Sexual, and Asexual.
- Students will complete an assessment at the end of this week's studies.

For Students

- Students ENGAGE in identifying the basic characteristics of organisms to determine [Which One Doesn't Belong](#).
- Students practice using the characteristics of organisms to classify them within the Three Domains and Six Kingdoms. Students EXPLORE using the [Domains Kingdoms Classification Guide](#) to complete the [Domains Kingdoms Classification Journal](#). Students use [In What Domain Do I Belong?](#) Cards and the [In What Kingdom Do I Belong?](#) Cards to complete their work.
- Students check their learning by completing the [Classification Of Organisms Check](#).
- Students complete this unit of study by completing the [Classification Of Organisms Post Assessment](#). Submit your answers to your teacher.

Resources

- [Classification of Organisms Check - KEY](#)

Grade 6 eLearning Guide - LANGUAGE ARTS

Objectives

- Students will analyze a self-portrait and listen to an expert's analysis.
- Students will read nonfiction and determine the central message.
- 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 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.

Essential Question

- How have women gone from oppressed individuals to influential forces?

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](#): View and analyze a famous Frida Kahlo self-portrait.
- [Task 2](#): Watch this interpretation of the portrait. How does it compare to your interpretation?
- [Task 3](#): "Frida Kahlo"
- [Task 4](#): "Aurelia Dobre: World Champion Gymnast"
- [Task 5](#): "Should Girls Be Allowed to Play High School Football?"
- 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 trace the characteristics of various contemporary societies that resulted from historical events or factors.
- Students will analyze the historical background of various contemporary societies to evaluate relationships between past and current conditions.
- Students will define culture and common traits that unify a culture.

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.

Essential Question

- How have the cultures of East Asia balanced tradition and modernization?

For Parents

- Print the tasks below, or have your student copy the questions by hand.
- Have your student read the texts and take notes. The text may need to be read more than once for full understanding. Allow your student to use a dictionary or online resource (such as <https://www.britannica.com>) to look up words or concepts they may not know.
- After reading, have your student answer the multiple-choice questions.
- For the open-ended question, discuss ideas and brainstorm with your student prior to responding.
- Follow the same process for each article.

For Students

- **Task 1:** "Cultural Challenge" (Directions, text, and questions)
 - [Image Analysis](#)
 - [Annotation Chart](#) - to complete while reading
- **Task 2:** Big City and Desolate Desert (Text)
 - [Annotation Chart](#) - to complete while reading
- **Task 3:** Ancient Civilizations and Migration (Text)
 - [Annotation Chart](#) - to complete while reading
- **Task 4:** A Mongol Herder's Life (Text)
 - [Annotation Chart](#)
- **Task 5:** Mind Mapping What You Know About East Asia

Resources

- To view the videos below, be sure you are logged into Discovery Education through itsLearning.
 - [History of South Korea](#) (Video)
 - [Welcome to Kyoto, Japan](#) (Video)