



## What will my child be learning during the fourth quarter of school?

### ENGLISH LANGUAGE & READING (ELAR)

- Practice the writing process through planning and drafting
- Compose multi-paragraph essays that provide support of the thesis
- Read various texts and synthesizing information gathered
- Review reading, writing, revising and editing skills

### ENGLISH LANGUAGE AND READING (KLEIN PREP)

- Select topics of interest and generate student-selected questions for inquiry
- Compose multi-paragraph essays that provide support of the thesis
- Synthesize information gathered to create new understanding
- Create a presentation to present his/her thinking about the process and product
- Review reading, writing, revising and editing skills

### G/T HUMANITIES

- Generate ideas, gather information, and manage evidence relevant to the topic and purpose.
- Identify and explain an author's argument.
- Formulate research topic and questions to explore ideas.
- Locate, evaluate, and select information from a variety of sources.

## Questions to Ask Your Child

### ELAR

- Tell me about the piece of writing you are working on.
- Which reading strategy do you use the most?
- What kinds of books do you enjoy reading and why?

### ELAR (KLEIN PREP)

- What are you thinking as you gather evidence for your presentation?
- How do you gather evidence? Which sources do you rely on?
- What modalities are you considering for your presentation?
- What kinds of books/information do you need to complete your work?

## Questions to Ask Your Child

### G/T HUMANITIES

- What ideas have you covered in class?
- Ask:  
Why might \_\_\_ matter to me?  
Why might \_\_\_ matter to people around me?  
Why might \_\_\_ matter to the world?

## How Can I Help My Child Learn at Home?

### ELAR

- Encourage Reading
- Discuss what they read
- Ask your child to share ideas, events, and characters that stand out while they are reading
- Practice iXL

### ELAR (KLEIN PREP)

- What are you thinking as you gather evidence for your argument?
- How do you gather evidence? Which sources do you rely on?
- Did you have to shift your position after reading more about your argument?
- What modalities are you considering for your presentation?
- What kinds of books/information do you need to complete your work?

## How Can I Help My Child Learn at Home?

### G/T HUMANITIES

- Assist students with conducting research.
- Allow student time to read independently.
- Encourage students to challenge themselves with complex texts.
- Have students reflect on their thinking.





## What will my child be learning during the fourth quarter of school?

### MATH

- Students will be studying geometry concepts including: circumference and area of circles; the area of composite figures; lateral and total surface area of rectangular prism, rectangular pyramid, triangular prism, and triangular pyramid by finding the area of the shapes net.

### ADVANCED MATH

- Find the volume of cylinders, cones, and spheres
- Determine total outcomes and favorable outcomes
- Interpret information from a chart, table, image, or diagram
- Calculate simple and compound probability
- Make predictions
- Compare two groups of data using dot plots or box plots by comparing their shapes, centers and spreads
- Draw conclusions and make inference based on data

### ALGEBRA 1 & KP ALGEBRA 1

- Solve quadratic functions using a variety of ways and apply their learning to analyzing real world problems.
- Identify and write arithmetic and geometric sequences when the sequences are given in the function using recursive and explicit processes
- Graph exponential functions and develop an understanding of asymptotes.
- Add, subtract, multiply, and divide radical and rational expressions

## Questions to Ask Your Child

### MATH

- What is the difference between lateral and total surface area?
- How do you find the area of composite figures?
- What does it mean to have a quarter or semi-circle?

### ADVANCED MATH

- What is the base of a cylinder or cone? How do you find its area?
- How do you find theoretical probability?
- How is a dot plot different from a box plot?

## Questions to Ask Your Child

### ALGEBRA 1 & KP ALGEBRA 1

- Can you tell me about a situation that would model a u-shaped curve?
- Can you create a list of numbers with a pattern? Explain the pattern.

## How Can I Help My Child Learn at Home?

### MATH, ADVANCED MATH, AND ALGEBRA 1 & KP ALGEBRA 1

- Ask your students what they are learning.
- Access the Klein Digital resources support math skills through your students dashboard.
- **IXL** - Skill-based program that allows students to practice skills they may have not mastered.
- **Fact track** - Practice facts online and track growth





# 7th Grade Fourth Quarter



# Family Curriculum Guide

## What will my child be learning during the fourth quarter of school?

### SCIENCE

- Describe how systems are organized and function to support the health of an organism.
- Give examples of how traits are inherited.
- Describe the taxonomic system that categorizes organisms

### ADVANCED SCIENCE

- Describe the characteristics of the universe and the relative scale of its components.
- Explore how thermal energy is transferred in systems.

### SOCIAL STUDIES (TEXAS HISTORY)

- Expansion of the Texas frontier, effects of westward expansion on American Indians and Buffalo Soldiers
- Industrialization of Texas due to the oil industry
- Impact of the World Wars and the Great Depression
- Reform movements in Texas in the 19th and 20th-century
- Advances in scientific discoveries and technological innovations in Texas

## Questions to Ask Your Child

### SCIENCE

- How does classifying organisms help different types of scientists?
- What are examples of traits that are inherited?

### ADVANCED SCIENCE

- How is energy transferred through waves? Give 2 examples.
- Why does an air fryer cook faster than a regular oven?

## Questions to Ask Your Child

### SOCIAL STUDIES (TEXAS HISTORY)

- What was the impact of the expansion of Texas?
- How was Texas affected by the development of the oil industry?
- How did industries in Texas make an impact on the Great Depression and World Wars?
- Who are significant Texans who have contributed to the Civil Rights Movement in Texas?

## How Can I Help My Child Learn at Home?

### SCIENCE

- Look at family pictures or pictures of famous families. What traits do you see that members have inherited?

### ADVANCED SCIENCE

- Research ways that different types of waves (infrared, electromagnetic) are used in science careers

## How Can I Help My Child Learn at Home?

### SOCIAL STUDIES (TEXAS HISTORY)

- Have a conversation with your child about the oil industry in Texas and the impact it has had on the state.
- Ask your child to research a Texas leader in science and technology and explain their contribution.
- Encourage your child to research the development of Texas in the areas of aerospace, energy, computer, medical, and agriculture.

