

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

### ENGLISH LANGUAGE & READING (ELAR)

- Reading a variety of genres with a focus on informational text
- Analyzing the characteristics and structures of informational text
- Making connections between informational text and other genres
- Responding to reading through discourse and writing
- Drafting an informational essay with a thesis and supporting evidence
- Revising and editing skills with a focus on compound sentence structure, prepositions, transformations and verb tenses

### ENGLISH LANGUAGE AND READING KLEIN PREP

- Reading a variety of genres with a focus on informational text analysis and author's craft
- Researching and synthesizing information between all genres of text
- Responding to reading through discourse and writing
- Drafting an informational essay with a thesis and supporting evidence
- Revising and editing skills with a focus on organization,, prepositions, transitions, and verb tenses

### 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 & ELAR (KLEIN PREP)

- How is fiction different than non fiction?
- What are the features of informational text?
- What types of text structures do authors use? How are they different?
- Tell me about some new information you've learned from something you've read.
- What do you know about prepositions? How do you use them?
- What is a compound sentence? How do you recognize a compound sentence?

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

#### ELAR & ELAR (KLEIN PREP)

- Set aside time each evening for independent reading
- Talk you your student about the texts they read
- Encourage reading outside of fiction (magazines, news articles, etc.)
- Practice reading, writing, and grammar skills on IXL.

### Questions to Ask Your Child

#### G/T HUMANITIES

What ideas have you covered in class? Why do they matter?  
Ask three "Why" questions:  
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?

#### 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 second quarter of school?

### MATH

- Multiply fractions and decimals
- Divide fractions and decimals
- Apply multiplication and division of fractions and decimals in word problems
- Apply order of operations to expressions
- Use properties of operations: inverse, identity, commutative, associative, and distributive
- Simplify expressions
- Model and solve one-step equations and inequalities
- Write an equation from a word problem
- Write a word problem to match an equation

### ADVANCED MATH

- Apply order of operations to expressions
- Use properties of operations: inverse, identity, commutative, associative, and distributive
- Simplify expressions
- Model and solve one-step and two-step equations and inequalities
- Write one and two-step equations from word problems
- Graph points on a coordinate grid
- Identify independent and dependent quantities from tables and graphs
- Use a sentence, table, graph, and an equation to represent a situation in form  $y=kx$  or  $y=x+b$

### ACCELERATED MATH

- Model and Solve one-, two- and multi-step equations with variables on both sides
- Write equations from a word problem
- Write a word problem to match an equation
- Use proportions to solve problems involving ratios, rates, financial literacy, similar shape and scale drawings
- Solve problems involving percent increase and decrease
- Graph points on a coordinate grid
- Identify independent and dependent quantities from tables and graphs
- Use a sentence, table, graph, and an equation to represent a situation in form  $y=kx$  or  $y=x+b$
- Determine rate of change/slope and y-intercept from a table or graph
- Graph proportional relationships

## Questions to Ask Your Child

### MATH, ADVANCED MATH, AND ACCELERATED MATH

- What does a model of an equation look like?
- How do you solve a one, two or multi-step equation?(based on their course)
- What does the solution of an equation mean?
- Which quantity is represented by the x value in a problem? (Independent or Dependent)
- Which quantity is represented by the y value in a problem? (Independent or Dependent)

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

### MATH, ADVANCED MATH, AND ACCELERATED MATH

- 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



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

### SCIENCE

- Calculate the force on an object
- Identify force pairs (Newton's 3rd Law)
- Compare potential energies with kinetic energy
- Describe how energy is conserved through transfers and transformations and through transverse and longitudinal waves
- Model movement of Earth around Sun to cause seasons

### ADVANCED SCIENCE

- Describe evidence that supports that the Earth has changed over time
- Describe how plate tectonics cause landforms
- Describe characteristics of the universe

### SOCIAL STUDIES (CONTEMPORARY WORLD CULTURES)

- Describe and compare different types of government
- Describe and compare the roles of citizens in different societies
- Identify and describe examples of human rights abuses by governments
- Explain how political decisions affect the use of technology

## Questions to Ask Your Child

### SCIENCE

- What is the impact of a balanced force on an object? An unbalanced force?
- How is energy conserved in a food web?

### ADVANCED SCIENCE

- What is the difference between rotation and revolution? Which movement causes seasons?
- Why are days shorter in the winter and longer in the summer?

## Questions to Ask Your Child

### SOCIAL STUDIES (CONTEMPORARY WORLD CULTURES)

- What are the characteristics of our government and others?
- What are some examples of different types of government?
- How do the roles and responsibilities of citizens in the U.S. differ from those in other countries?
- What are human rights and how have human rights evolved over time?

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

### SCIENCE

- Think of 5 real world examples of Newton's Third Law (force pairs)
- Find an object at home where energy transformations take place and diagram the transformations

### ADVANCED SCIENCE

- Look up the tide table for Galveston. What patterns do you see?
- Google the star Altair for the magnitude and size, then using the HR Diagram, determine the star class.

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

### SOCIAL STUDIES (CONTEMPORARY WORLD CULTURES)

- Ask your child about the different types of government.
- Study different types of government here.

