



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

### ENGLISH LANGUAGE & READING (ELAR)

- Analyze structure and characteristics of argumentative texts
- Compose multi-paragraph argumentative texts that make a claim supported by reasons and evidence, and analyze the counterclaim
- Analyze biases in argumentative texts, and other argumentative techniques such as logical fallacies and rhetorical devices
- Analyze poetry for meaning and craft
- Respond to reading by writing analytical responses that include text evidence
- Revising and editing with a focus on sentence variety and proper punctuation

### ENGLISH LANGUAGE AND READING KLEIN PREP

- Analyze argumentative elements throughout multiple texts
- Connect argumentative texts across genres
- Research and present an argumentative topic that includes addressing the counterclaim
- Analyze biases in argumentative texts
- Compose an argumentative essay
- Apply reading and writing strategies in various texts
- Respond to reading by writing analytical responses that include text evidence

### 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

- What are you reading?
- What techniques do authors/ writers use to make an argument? What makes an argument successful?
- What types of evidence do authors use to support a claim?
- Why is it important to consider the counterclaim?
- Tell me about an argumentative text that you read.
  - What was the author's claim?
  - How did the author support the claim?
  - Do you agree/ disagree? Why/ why not?
- What is the difference between a rhetorical device and a logical fallacy?
  - Can you name a device/ fallacy?
  - Can you give me an example of a rhetorical device/ logical fallacy?

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

#### ENGLISH LANGUAGE & READING & (KLEIN PREP)

- Check Schoology frequently for updates and missing assignments
- Encourage daily reading from a choice novel
- Encourage reading current events, news articles, magazines etc.
- Practice skills on iXL

### Questions to Ask Your Child

#### G/T HUMANITIES

- What ideas have you covered in class? Why do they matter?
- 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?

#### 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 third quarter of school?

### MATH

- Calculate and compare simple interest and compound interest earnings
- Explore financial literacy topics including; Savings, Loans; Advantages and disadvantages of different payment methods
- Write a rule to represent transformation, includes translations, dilations, rotations, and reflections
- Find the volume of cylinders, cones, and spheres

### KP ALGEBRA 1

- Solve a system of linear equations using a variety of methods including graphing, substitution, elimination
- Simplify expressions using the laws of exponents
- Add, subtract, multiply polynomials
- Simplify algebraic expressions using laws of exponents, polynomial operations, and factoring methods and interpret the meaning of the factors
- Write a quadratic function in standard and vertex form
- Graph and identify key features of quadratic functions

### KP GEOMETRY

- Develop and prove properties of kites, triangle midsegments, trapezoids, parallelograms, rectangles, squares
- Prove a quadrilateral is a parallelogram, rectangle, rhombus, or square
- Perform and describe dilations as well as determine if figures are similar
- Perform and describe dilations as well as determine if figures are similar
- Use trigonometric ratios to calculate unknown side lengths and angles in right triangles
- Define a circle, focus on relationships among tangents, chords, radii, diameters, and arcs in circles

## Questions to Ask Your Child

### MATH, KP ALGEBRA 1, AND KP GEOMETRY

- Would you rather have a savings account that earns simple or compound interest? Why?
- How can the formula chart help you when finding the volume of cylinders? Cones? Spheres?
- What are the advantages and disadvantages to using debit cards? Credit cards? Loans?
- How is a quadratic function different from a linear function? (Alg1 KP)

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

### MATH, KP ALGEBRA 1, AND KP GEOMETRY

- 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 third quarter of school?

### SCIENCE

- Investigate and describe applications of Newton's Three Laws
- Describe the structure of an atom
- Interpret the arrangement of the periodic table to explain classification of elements
- Identify the formation of new substances with different physical properties that are formed during a chemical change and how the Law of Conservation of Mass is shown

### BIOLOGY

- Predict possible outcomes of different genetic combinations
- Compare characteristics of different taxonomic groups
- Analyze and evaluate how evidence of common ancestry among groups is provided by the fossil record, biogeography, and homologies
- Analyze and evaluate the relationship of natural selection to adaptation
- Interpret relationships such as parasitism, competition and predation among organisms
- Compare adaptations in different ecosystems
- Describe how events and processes can change species diversity

### Questions to Ask Your Child

#### SCIENCE

- What is evidence of a possible chemical change?
- What determines how reactive an element is and where are the most reactive elements found on the periodic table?
- What are examples of one of Newton's Laws related to sports? Amusement park rides?

### Questions to Ask Your Child

#### BIOLOGY

- What don't all offspring look just like one of their parents?
- What is the relationship between overpopulation and natural selection?
- What is an example of competition among organisms and what might an outcome be?

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

#### SCIENCE

- There are many different simple experiments about chemical change that you can do at home. Two examples use vinegar: 1) mix vinegar and baking soda (a little goes a long way) and a gas forms; 1) put an eggshell in vinegar and the shell dissolves.
- While in a moving car, talk about different examples of Newton's Laws related to accelerating and stopping

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

#### BIOLOGY

- Help your student research how a common chronic disease is caused by different genes.
- Help your student research different bird beaks/claws and why the shapes differ in different ecosystems.





# 8th Grade Third Quarter

# Family Curriculum Guide

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

### **SOCIAL STUDIES (US HISTORY)**

- Identify how industrialization and urbanization impacted life in America
- Explain the social and reform movements
- Explain the causes of the Civil War
- Explain how the major events of the Civil War lead to a Union victory

### **Questions to Ask Your Child**

#### **SOCIAL STUDIES (US HISTORY)**

- How did industrialization change America in the 1800s?
- What influenced the social and reform movements?
- What political, social, and economic factors divided the country during the Civil War?

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

#### **SOCIAL STUDIES (US HISTORY)**

- Review important inventions of the industrial revolution
- Help your student review the Civil War and the battles.

