



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

ENGLISH LANGUAGE & READING AND KLEIN PREP (ELAR)

- Synthesizing information from a variety of genres, with a focus on informational text structure, characteristics and author's purpose
- Analyzing informational texts through discourse and writing
- Researching and drafting an informational essay with a strong thesis and supporting ideas
- Revising and editing for organization and style, with a focus on active and passive voice, subject-verb agreement, and pronoun-antecedent agreement

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 the characteristics of informational text?
- What are you writing about?
- Did you research any topics to find support for your writing?
- What is a thesis?
- What is the difference between active and passive voice? How do you use them?
- Why is subject-verb agreement important? Can you give me an example?

How Can I Help My Child Learn at Home?

ELAR & ELAR (KLEIN PREP)

- Set aside time each evening for independent reading
- Talk to your student about the texts they read
- Check Schoology for updates and assignments
- 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:
 - 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

- Determine rate of change/slope and y-intercept from a table or graph
- Graph proportional relationships
- Write equation in the form $y = mx + b$ given words, table, or graph
- Use a trendline to make a prediction given data in a scatterplot

KP ALGEBRA 1

- Write, graph, and analyze a linear model for a real-world situation
- Identify arithmetic sequences in function form
- Write a formula for the nth term of arithmetic sequences
- Write the equation of a line in slope-intercept form and standard form
- Make predictions using a linear regression.
- Write linear inequalities in two variables, to represent real world situations
- Read, interpret, and graph the solutions of a linear inequality in two variables

KP GEOMETRY

- Identify and perform rigid transformations and composite transformations on and off the coordinate plane
- Use rigid transformations to determine if figures are congruent
- Determine when congruence criteria show triangles are congruent and use to write proofs
- Apply theorems about angle measures in triangles, determine and use points of concurrency for special segments in triangles

Questions to Ask Your Child

MATH

- How do you find the rate of change or slope from a table?
- What is a proportional relationship?
- How do you write the equation of a line from a graph?

KP ALGEBRA 1

- How do you find the rate of change or slope from a table?
- How do you write the equation of a line from a graph?
- How are linear inequalities different from linear equations?

Questions to Ask Your Child

KP GEOMETRY

- What is a rigid transformation?
- What is a composite transformation?
- What are some ways you can tell if two triangles are congruent (the same)?

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 second quarter of school?

SCIENCE

- Demonstrating and predicting the sequence of events in the lunar cycle.
- Relating the positions of the Moon and Sun to their effect on ocean tides.
- Relating plate tectonics to the formation of crustal features
- Describing the historical development of evidence that supports plate tectonic theory
- Interpreting topographic maps and satellite views to identify land and erosional features
- Demonstrating and calculating how unbalanced forces change the speed or direction of an object's motion
- Differentiating between speed, velocity, and acceleration.

BIOLOGY

- Identifying components of DNA and how information for specifying the traits of an organism is carried in the DNA
- Recognizing that components that make up the genetic code are common to all organisms.
- Describing the stages of the cell cycle and the importance of the cell cycle to the growth of organisms.
- Describing the roles of DNA, RNA, and environmental factors in cell differentiation.
- Recognizing that disruptions of the cell cycle lead to diseases
- Explaining the purpose and process of transcription and translation
- Recognizing that gene expression is a regulated process.
- Recognizing the significance of meiosis to sexual reproduction.
- Identifying and illustrating changes in DNA and evaluating the significance of these changes.

Questions to Ask Your Child

SCIENCE

- Why can't we see a new moon?
- What causes spring tides and neap tides?
- What type of plate tectonic movement forms land features?
- How does seafloor spreading help support the tectonic theory?
- What is a topographic map and how do you read it?
- How do you know if an object is being acted on by balanced or unbalanced forces?
- How do you calculate speed, velocity or acceleration?

Questions to Ask Your Child

BIOLOGY

- What are the components (structures) of DNA?
- If all living organisms have DNA with the same components, why do we have different traits?
- What are the stages of the cell cycle and which is the most significant stage?
- Give an example of how an environmental factor affects cell differentiation
- Where can disruption in the cell cycle occur and what is the effect?
- What is the purpose of transcription and translation?
- What does gene expression mean?
- Why is meiosis important?
- Describe at least 3 different types of mutations and how they can affect a cell

How Can I Help My Child Learn at Home?

SCIENCE

- Work together with your child to come up with a physical action, such as hand signs, for each type of boundary to remember what type of landform is created using this guide as a reference
- Try working on these two practice force problems with your child

How Can I Help My Child Learn at Home?

BIOLOGY

- Print and cut out this puzzle and work with your child to make the correct connections about the structure of DNA
- Work through this interactive study experience with your child to reinforce their learning about the cell cycle and mitosis





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

SOCIAL STUDIES (US HISTORY)

- Explain the issues surrounding important events of the American Revolution.
- Strengths and weaknesses of the Articles of Confederation that leads to the creation of the Constitution.
- The Bill of Rights and how they protect citizens from government abuse.
- The contributions of the Founding Fathers.

Questions to Ask Your Child

SOCIAL STUDIES (US HISTORY)

- How did the American Revolution end?
- What made the Constitution stronger than the Articles of Confederation?
- Who were the first five presidents and why are they important?

How Can I Help My Child Learn at Home?

SOCIAL STUDIES (US HISTORY)

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