



Remote Learning ~ Week At-A-Glance

AGATE 3-4

May 11-15

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Mrs. Taylor and Mrs. Fairchild

Please do your online check in as soon as possible.

Need help? Email Haley Warr at hwarr@nkschools.org for help.

Learning from home looks different from learning at school, even the guidelines for how much time a student should spend learning are different.

Please remember to dedicate ~~60-90~~ minutes to Remote Learning each day.

ELA & Math	ELA	Math
	<ul style="list-style-type: none"> • Table of Content: Scientific Method: pgs. 1-3 • Simple Machines: pgs. 4-6 • Variables: pgs. 7-9 • Engineering Design Process pgs. 10-12 • * NEW* Structural Engineering: pgs. ? • Scientific Method/Data Analysis: Notes on the scientific method. • Simple Machines: Notes on simple machine and material's list. • Variables: Notes on variables, scientific drawings and two-wheeler trials. • Engineering Design Process: Notes on inventions, Venn diagram, scientific drawings and trials for catapults <p>*New Tab*</p> <ul style="list-style-type: none"> • Structural Engineering: Notes from the videos and articles are added here. New scientific drawings and everything bridges goes here! • Glossary: Add new vocabulary 	<ul style="list-style-type: none"> • IXL Skills-Fact Fluency <p>*New Math Skills:</p> <ul style="list-style-type: none"> • Problem of the Month- Lyle's Triangles • Study Jams- Classifying Triangles • IXL 4th grade: X, Triangles and quadrilaterals: skills 2 and 3 • IXL 5th grade: BB, Triangles and quadrilaterals: skills 2, 3, and 4 <p style="text-align: center;">We are hoping students spend approximately 15-20 minutes a day</p>
	Social Studies	Science

Continue researching a topic of your choosing. It can be anything that interests you!

These notes can be kept in a separate notebook or loose-leaf paper. Remember, notes can be in word form or sketches; it's up to you!

Over the next two weeks we will be having you design a one-pager around your topic of choice. This one-pager should be completed by May 15th.

We will then pick a day for a few kids to share with us via Zoom.

Remember to look at your one-pager expectations and rubric resource in your binder **or on the website under ELA.**

1. [PBS Kids](#)- Design Squad- Triangles
2. [Science Max](#) Builds a Pasta Bridge
3. [Galloping Gertie](#)-Why the Tacoma Narrows Bridge Collapsed
4. [Bridge Building Competition](#) - Hilarious!
5. [Magic School Bus](#)- Under Construction

Experiment

6. [PBS-Forces & Loads](#) and other things that impact the strength of a bridge.
7. Cut out/paste into your notebook and read the attached article highlighting 4 different types of bridges. Circle the one you find most interesting. Then write why you find this one to be the most interesting in a complete sentence, at the bottom of the page.
8. With your parents' permission go on Pinterest or other trusted sites to come up with design ideas for your bridge. Make a list of possible materials.

After visiting all of the sites above, collect materials from around your house to make your bridge.

1. Design and make your bridge.
2. Make a **scientific drawing** of your bridge in your notebook behind the Structural Engineering tab. Your bridge needs to be **wide** enough to place a container on it to hold your load. **Write a hypothesis** how much of a load (weight) your bridge can hold.
3. Begin adding to your container. Some examples of load could be pennies, jellybeans or marbles. Record your results.

		<p>4. Do you want to make changes to your bridge to make it more structurally sound? Add changes to your scientific drawing with a different writing utensil to show the changes and write a second hypothesis of how you think the change will affect strength of your bridge</p> <p>5. Try it! Record your load</p> <p>6. Compare your results! You can run as many trials as you want. Just remember to only change ONE structural feature on your bridge at a time.</p> <p>Be prepared to share your Results at next Monday's zoom meeting. Send us pictures of you doing your experiments to put in the slide show.</p> <p style="text-align: center;">Fun Games</p> <ul style="list-style-type: none"> • Cool Math Bridge Building • Physics Bridge Builder Game
Specialist Time	PE/MUSIC	Library/Technology
Connect with Your Teacher	Office Hours every day 9:35-10:15, teachers are available by email or pre-arranged phone call during this time.	
Connect with Other Students	Class Meeting EVERY Monday 9:35-10:15 via ZOOM conference call Parents: please do your online check in as soon as possible. If you need help with this, please email Haley Warr at hwarr@nkschools.org	
Friday Feedback	*News ELA attached article and quiz/ Wildlife crossings, from bridges to tunnels to overpasses	

Scientific Engineering: Bridges Recording Sheet

Directions: Now, you get to test out your bridge strength. Begin by adding a container to your bridge. Then begin to drop in your items in, one at a time, until the load breaks the structure. Then change the structure of the bridge to better support the load and attempt again. Record the load (total number of items) for each structural change.

Bridge	Total number of load items	What will you change to better support the load?
Load 1		
Trial 2		
(optional) Trial 3		
Trial 4		