

Kitayama K-5 Science Learning

In addition to the Science/Technology/Engineering/Art activities listed on the Kitayama Remote Learning Menu, students in grades TK-5 can do the following:

Science Fair Project

Work on your science fair project. Choose an idea if you haven't done it already.

It could be a scientific investigation, a research project or an engineering project. Here are some ideas.

Scientific Investigation

1. Does music have an affect on plant growth?
2. Which paper towel brand is the strongest?
3. Does music affect animal behavior?
4. What is the best way to keep cut flowers fresh the longest?
5. Does the color of light used on plants affect how well they grow?
6. What brand of battery lasts the longest?
7. Can plants grow in pots if they are sideways or upside down?
8. Does having worms in soil help plants grow faster?
9. Which toothpaste is the best for our teeth?
10. Does the color of birdseed affect how much birds will eat it?
11. What brand of bubble gum produces the biggest bubbles?
12. How does the air pressure of a soccer ball affect how far it travels when kicked?
13. Which brand of popcorn leaves the fewest unpopped kernels?
14. Which type of bread turns moldy first: store bought or bakery bread?
15. How can you speed up the ripening of tomatoes?
16. How does the weight of a paper airplane affect its ability to fly?
17. Does maple syrup's grade affect its flow?
18. Which type of cup will keep a hot drink warm longer: paper, plastic, Styrofoam, or glass?
19. Which holds hair in place for a longer period of time: gel or hairspray?
20. Which stays fresher longer: organic or nonorganic fruit?

Research Question

21. How can you tell an alligator from a crocodile?
22. How does the solar eclipse work?
23. What is a black hole?
24. How do airplanes fly?
25. How are rainbows made?
26. Are sharks mammals?
27. Why can I see the moon during the day?

28. Why do birds fly south for the winter?
29. Why is the sky blue?
30. Do wasps have a queen like bees do?

Engineering Project

31. Egg drop engineering project – Can you keep the egg from breaking? What materials are best for cushioning the fall?
32. Invent ways to test the strength of spaghetti.
33. Create bridges and other structures using wooden clothespins, craft sticks and binder clips. Test the strength of those structures.

Technology Around Us

Technology is anything created to solve a problem or meet a need. For example - toothbrush, flashlight, sponge, plastic container, paper clip, stapler, scissors, pen, hair brush, eraser, glue stick, slippers, nail clippers....

Choose any object and discuss the following questions.

- Is the object natural or human-made?
- What material(s) is it made of?
- What problem does it solve?
- How else could you use it?
- What other materials could it be made of?