

October 14, 2021

Dear Parents and Guardians,

It is time for new discoveries with the **SCIENCE FAIR!** Scholars will begin working on Science Projects. This week, scholars will have to pick **three (3) topics** and turn them in to me on Seesaw by **Monday, October 18th** for approval. All topics must be approved before they begin working on their projects. Remember the topic must be testable. If the question can be answered with a yes or no, then it is not a testable question.

Attached to this document is a list of ideas for topics, but it must be something that scholars are curious about. In addition, scholars may visit the website www.sciencebuddies.org for inspiration, however, please be advised not all projects on the site are considered "Science Fair Projects" with testable questions.

The Science fair packet will be uploaded on Archie. It must be printed and attached to the **yellow duo tang science folder**, which you purchased at the beginning of the school year for our science class. If you have not purchased it or your child has used it for another class, please purchase one now. The packet needs to be brought to class by **Monday, October 18th**.

This year the scholars must use a **Science Board** to display the results of their experiments. The board must measure **36" H x 48" W**. Information on the board must all be handwritten neatly by the student. For your convenience, the school store is selling the boards. You may visit the school website www.archimedean.org and click on Bookstore.

If you have any questions or concerns, do not hesitate to contact me at dorlaine.quintana@archimedean.org.

Thank you for all your help and support!

Sincerely,
Ms. Quintana
3rd Grade Science Teacher



SCIENCE FAIR IDEAS

Okay, here is the hardest part of the whole project...picking your topic. But here are some ideas to get you started.

Even if you don't like any, they may inspire you to come up with one of your own. Remember, check all project ideas with your teacher and parents, and don't do any project that would hurt or scare people or animals.

Good luck!

- Does music have an effect on animal behavior?
- Does the color of food or drinks affect whether or not we like them?
- Does music have an effect on plant growth?
- Which kind of food do dogs (or any animal) prefer best?
- Which paper towel brand is the strongest?
- What is the best way to keep an ice cube from melting?
- What level of salt works best to hatch brine shrimp?
- Can the food we eat affect our heart rate?.
- Can background noise levels affect how well we concentrate?
- Does acid rain affect the growth of aquatic plants?
- What is the best way to keep cut flowers fresh the longest?
- Does the color of light used on plants affect how well they grow?
- What plant fertilizer works best?
- Does the color of a room affect human behavior?
- Do athletic students have better lung capacity?
- What brand of battery lasts the longest?
- Does the type of potting soil used in planting affect how fast the plant grows?
- Does having worms in soil help plants grow faster?
- Can plants grow in pots if they are sideways or upside down?
- Does the color of hair affect how much static electricity it can carry? (test with balloons)
- How much weight can the surface tension of water hold?

- What light brightness makes plants grow the best?
- Does the color of birdseed affect how much birds will eat it? (more info.) Do natural or chemical fertilizers work best?
- Can people tell artificial smells from real ones?

- What brands of bubble gum produce the biggest bubbles?
- Does age affect human reaction times?
- What is the effect of salt on the boiling temperature of water?
- Does shoe design really affect an athlete's jumping height?
- What type of grass seed grows the fastest?

Didn't see one you like? Don't worry...look over them again and see if they give you an idea for your own project that will work for you. Remember, find something that interests you, and have fun with it.