

Kingswood Science & Engineering Fair

(K – 2nd Graders): April 18, 2022



The purpose of the Science and Engineering Fair is to inspire, nurture, and develop our young scientists and engineers through a hands-on project of their choice. This fair is a great opportunity for our students to explore STEM in a fun and educational way while sharing their findings with the school.

We are confident your child will gain:

- *Reinforcement of grade level science, literacy, math skills, curiosity, awareness, and creativity
- *Increased scientific knowledge
- *Learning research techniques
- *Growth in independent work
- *Fun with a STEM project

What to expect:

- *Students will be able to work on their projects at school during their STEM periods. However, most of the work will probably need to be done at home. Students will need adult supervision.
- *Judging will be done by professionals within the STEM community. Their education, experience, and skills are valuable when scoring projects.
- *Project guidelines and scoring rubrics will be available online.
- * More information and suggestions on how to get started can be found at <https://www.wcpss.net/Page/50233>
- *If you have any questions, need help with your project, or have comments along the way, please contact Adé Lee (adelee275@gmail.com) or Steven Greene (shgreene@ncsu.edu). You can also ask your STEM teacher, Mr. Stinson.

Thank you and we look forward to seeing all the wonderful projects!

Adé Lee, Dr. Steven Greene, Dr. Gwen Wise-Blackman & Kristi Thomson
Science Fair Coordinators

Calling all Kingswood Elementary Scientists and Engineers!

Do you love STEM? Prepare for the journey of a lifetime. Grab your notebook and get ready to test those hypotheses! Start your project soon. You will need time to experiment or invent.

Important Dates:

- Sat Mar 26th : Virtual session to help students select projects.
- Mon Mar 28th : Project Selection Forms due
- Mon Apr 18th : Project due
- Wed Apr 20th : Judging takes place
- Fri Apr 22nd : Projects returned home. Projects will be shared with the Kingswood community through the PTA social media.

There are no categories this year. However, you might want to choose a project from the following disciplines:

- *Computer Science & Mathematics
- *Marine, Earth & Space Science
- *Engineering
- *Life Science
- *Physical Science

Your project should be either an experiment, invention or a collection.

Experiments: You will follow the scientific method. It is important for your experiments to have data-driven results. For example, your problem might be, "How does the angle of an airplane launch affect the landing?" Through several trials, you will collect data that helps you answer the question.

Inventions: You will follow the engineering design process. We ask that you create something that helps solve a real world problem or addresses a person or group's needs. You may have a way to create an alternative form of energy. You may discover a way to build an inexpensive robot that helps kids with Autism.

Collections: Build a collection of science-related objects, such as shells, rocks, and leaves. Then arrange or display them in a way to allow easy comparisons. Such as sorting them by color, pattern, or size. Make observations, which may include groupings of leaf rubbings or fingerprints.