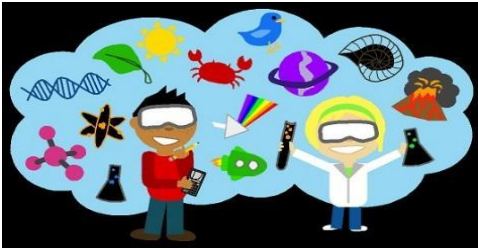


# Kingswood Science & Engineering Fair

## 3<sup>rd</sup> - 5<sup>th</sup> Graders: Projects DUE November 15, 2021



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 STEM project

### What to expect:

- \*Students will work on projects at home. They will need adult supervision with experiments and inventions.
- \*3rd graders should be able to do many parts of the project by themselves.
- \*4th and 5th graders should be doing almost the entire project by themselves.
- \*Judging will be done by professionals within the STEM community. Their education, experience, and skills are valuable when scoring projects.
- \*Our fair rules, project guidelines, scoring rubrics, and judge qualifications are in compliance with the Regional, State, and International Science and Engineering Fair. All results are final.
- \* 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](mailto:adelee275@gmail.com)) or Steven Greene ([shgreene@ncsu.edu](mailto: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 & Steven Greene  
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 Oct 16<sup>th</sup> : Virtual Project Selection Help Session, details to be announced later.
- Mon Oct 25<sup>th</sup> : Project Selection Forms due
- Mon Nov. 15<sup>th</sup> : Project due
- Wed Nov. 17<sup>th</sup> : Judging takes place
- Fri Nov. 19<sup>th</sup> : Project Pickup. 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
- \*Earth & Space Science
- \*Engineering
- \*Life Science
- \*Physical Science

Your project should be either an experiment or an invention.

**Experiments:** You will follow the scientific method. It is important for your experiments to have data based results. For example, your problem may be, "How does the angle of a paper 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.

Every participant will receive a certificate. The top projects will receive ribbons. Some students will move on to represent Kingswood Elementary at the Regional Science Fair in early **February 2021**.