

White Oak Elementary Family Science Fair/Expo

What: The WOE staff is excited to introduce our sixth annual Science Fair!

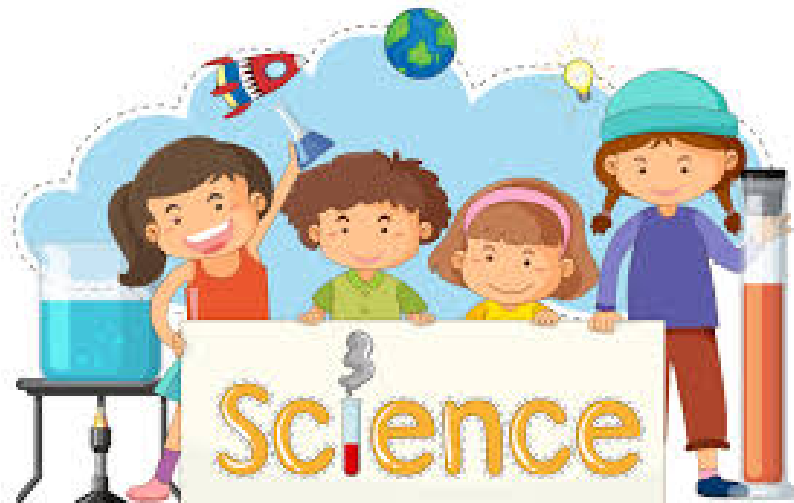
When & Where: Thursday, March 23rd from 5:30-7:00 pm at White Oak Elementary

Who: This is a voluntary science fair expo for students in grades K-5.

We encourage this to be a family event and for siblings to work together. This is a chance for students to explore an area of their interest. All work will be done at home. You can choose to present in person at the Science Fair Expo **OR** at home via Flipgrid video that will be compiled and sent out to families at the end of March. Please choose one option on the interest form below.

This is not a competition and it will not be judged.

If you are interested in participating, the guidelines can be found on the next page. Please complete this **INTEREST FORM** by **Friday, February 17th**. If you have any questions, feel free to email the Science Fair Committee at whiteoaksciencefair@gmail.com.



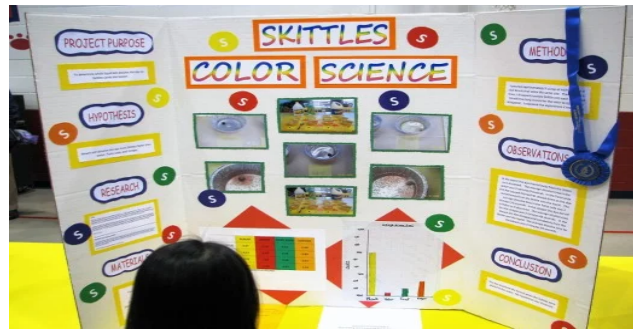
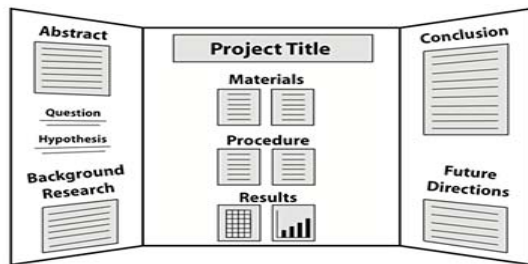
Science Fair Guidelines

1. Ask a question	The question should be clear, safe, quantifiable (it can be measured in some way), and related to one of the following topics: <ul style="list-style-type: none"> • Biological Sciences • Earth Sciences • Environmental Sciences • Physical Sciences • Behavioral, Social, and Health Sciences
2. Research the problem	Find out what you can about the topic to help you come up with a hypothesis.
3. Construct a hypothesis	If I do _____, then _____ will happen. (This should be measurable so that you can collect data on it.)
4. Test with an experiment and troubleshoot as needed	There should be a controlled variable (does not change), an independent variable (the thing you are testing), and a dependent variable (the results of what you tested.) You should be testing multiple times to see if you get the same result each time.
5. Analyze data and draw a conclusion	Figure out the best graph or visual to show your data and communicate your findings
6. Communicate your results	<ul style="list-style-type: none"> • Introduction (describe your purpose - why is this work important?) • Identify your hypothesis • Procedures: What was your approach • Results • conclusion

Technology & Other Guidelines

- Can choose to present in person at the Expo or via Flipgrid
- In Person Option: You will set up between 5:15-5:30pm on March 23rd and the fair will be from 5:30-7pm
- Flipgrid Option: All science fair videos are subject to Science Fair Committee approval (approved videos will be shared with all White Oak families). Flipgrid link will be sent to families that choose to participate in this way.
- All projects must follow White Oak Elementary TREK expectations, and WCPSS student conduct guidelines
- No animals (can photograph)
- No chemicals or liquids in open containers
- No foul-smelling or allergy provoking substances such as molds in open containers
- No wiring hazards, such as frayed insulation, exposed wires or loose connections
- Fair will not provide access to electricity, gas, water, or technology
- Display board should not exceed width: 3.5 ft, depth: 2.5 ft,, height 5 ft,
- If you want to show a video, please bring a charged device with you.

There are a lot of ideas on line if you are looking for additional help, such as:



<https://www.education.com/science-fair/>

We Have Kids Website: <https://wehavekids.com/education/How-to-do-a-Great-Science-Fair-Project-and-Board>

Image from: *Science Project: Skittles Color Science*: Source: VirginiaLynne CC-BY via HubPages

Once again, if you have any questions, feel free to email the Science Fair Committee at whiteoaksciencefair@gmail.com