

***On Tuesday, March 13th Tucker School will be having its Annual Science Fair!!***

***This year's theme:***  
**Tucker Experiments!**  
**Exploring Science through Testable Questions**



***Please see the attached NEW handouts for additional information on projects.***



 **TUCKER SCIENTISTS**   
**SCIENCE IS OUR SUPER POWER !**

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# **Tucker Elementary School Science Fair 2018 Student Instructions and Planner**

Dear Tucker Community,

We are excited to announce that the Tucker Elementary School Science Fair will be held on Tuesday, March 13, 2018 from 5:30-7:30 in the Tucker Gym! The purpose of the Science Fair is to encourage students to develop greater interest and awareness of science and to promote the use of critical thinking, research, and problem solving skills in a fun & creative way.

All Tucker School students are eligible to participate in the science fair and complete an individual or partner project. Your child will need to fill out the science fair registration, have it signed by a parent/guardian, and turned into school no later than March 7, 2018.

We are excited to incorporate a panel of judges into our science fair this year, following last year's success! Students will be asked to bring their projects with them to school in the morning on March 13, and we hope to give each science fair participant the opportunity to meet with the panel of judges to answer questions and explain their projects during the school day. In the evening, science fair participants will have the opportunity to share their projects with the rest of the Tucker community. *We recognize every families schedule is different but a suggested time frame is as follows. 6:00-6:30 PM for Pre-K through Grade 2; 6:45-7:15 for Grades 3-5.*

In this document you will find information on the following:

- General information about why we do science
- Guidelines for picking a great, testable science fair question
- Examples of testable science fair questions

Completing a science fair project is a very rewarding experience for students. Students love investigating a topic of their personal choice and they really learn a lot about the scientific practices along the way! If you have any questions about your child doing a project, please email Linda Stefanik [lstefanick@miltonps.org](mailto:lstefanick@miltonps.org) or the Tucker Science Fair info line (led by Tucker parent volunteers) at [TuckerExperiments@gmail.com](mailto:TuckerExperiments@gmail.com).

Sincerely,  
The Tucker Science Fair Committee

### ***Why do we do science?***

1. **To understand the world around us.** For example: What causes the tides? When will it rain? Where is the best place to drill oil? How do ants find their way back to their nest?
2. **To make our lives better.** For example: Which fuel causes the least pollution? Which sweetener do most people like? Do students study better listening to classical or rock music?

### ***How do we do science?***

The way science works is to recognize a problem or something we are curious about then ask a question that helps to solve the problem or increase how much we understand about something. For example:

**Problem:** People get sick. If we want to find out how to cure them, we have to ask a question to help us do that. A good question might be, "What causes a disease?" or "What medicine will cure a disease?"

**Curiosity:** What can fast food restaurants do to make their food healthier? One question that may help would be, "Which type of cooking oil is better to cook with?"

### ***What makes a good science fair project question?***

<b>What makes a good science fair project question?</b>	<b>For a good science fair project question, you should answer "yes" to every question!</b>
Is the topic interesting enough to learn about and then work on for the next couple of weeks?	Yes/No
Can you design a "fair test" to answer your question? In other words, can you change only one factor (variable) at a time, and control the other factors that might influence your experiment, so that they don't interfere?	Yes/No
Can you measure changes to the important factors (variables) OR...can you measure a factor (variable) that is simply present or not present? For example: <ul style="list-style-type: none"><li>• Use plant fertilizer in one trial, then DON'T USE plant fertilizer in another trial</li></ul>	Yes/No
Is your experiment safe to perform?	Yes/No
Do you have all the materials you need for your science fair project? Will you be able to get them?	Yes/No

***MORE INFORMATION IS AVAILABLE THROUGH THE SCIENCE FAIR TOPICS, TIPS & FAQ's DOCUMENT ON EDLINE AND VIA EMAIL***

# Science Fair Project Application

## (Science Fair Date- March 13th)

*This form must be filled out and returned to classroom teachers no later than **Wednesday, March 7th** to participate in the Fair.*

Student's Name: \_\_\_\_\_

Grade: \_\_\_\_\_ Teacher: \_\_\_\_\_

Science Fair Project Topic:

\_\_\_\_\_

Question(s) you are exploring for this topic:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Will you need to be near an electrical outlet on the night of the Science Fair? (please check one)

YES \_\_\_\_\_ NO \_\_\_\_\_

Parents/caregivers: Are you interested in volunteering at the Fair?

\_\_\_ Yes in the morning for set-up

\_\_\_ Yes in the evening for break down

Name: \_\_\_\_\_

Email: \_\_\_\_\_

If you work in a science-related field and are willing to be contacted about Tucker science initiatives, please provide your contact info:

Name: \_\_\_\_\_

Email: \_\_\_\_\_

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