

# OAKWOOD ELEMENTARY

## 2019 STEM FAIR



### What Is A STEM Fair?

STEM stands for Science, Technology, Engineering, and Math. Our fair will allow students to gain experience in scientific areas through hands-on experience. It is also a great opportunity for them to learn, think creatively, and try something new.

### Who Participates?

ALL STUDENTS at Oakwood will be participating, either through an individual or class project, as shown below. Please note that individual projects (or small group projects of 2-3 students/group) will need to be completed at home.

Please remember that this is a student learning experience. For those students completing their projects at home, **parent involvement is essential**, but the work should be that of the student's. By being involved, you can help your child learn something new, encourage them, help them do their best work, and ensure project safety.

Grade	Participation
K-2 <sup>nd</sup>	In-class project led by teacher and involving all students
3 <sup>rd</sup>	In-class project led by teacher and involving all students. Students are also encouraged to complete a project outside of class. They may work by themselves or in small groups of 2-3 students from their classroom.
4 <sup>th</sup>	Individual project or group project consisting of 2-3 students from the same class
5 <sup>th</sup> -6 <sup>th</sup>	Individual projects or group project consisting of 2-3 students from the same class

### How Do I Get Started?

**START NOW!** Find a topic that is interesting to you (the student). Then decide on a focused question that can be answered through a set of experiments. Please keep in mind that the project should be an inquiry of the topic instead of a demonstration. Also, your result should not be a yes/no answer to a question. Keep it simple. Lastly, Have FUN!

### **\*\* IMPORTANT DATES \*\***

Pre-approval Forms (5<sup>th</sup> and 6<sup>th</sup> graders) due: Monday, December 17, 2018

Display board/Logbook (3<sup>rd</sup>-6<sup>th</sup> grade individual/group projects) due: Mon., January 14, 2019

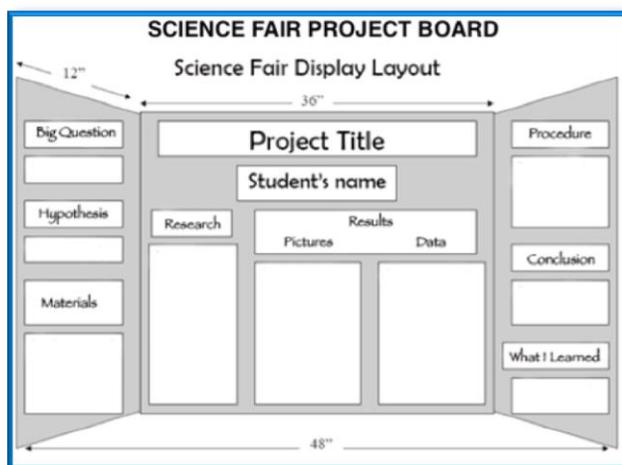
Class project sharing within each grade (K-3<sup>rd</sup> grade): Tuesday, January 15, 2019

STEM Fair Judging (individual/small group projects in 3<sup>rd</sup>-6<sup>th</sup>): Tuesday, January 15, 2019

## What Do I Bring?

All students completing an individual or small group (2-3 students) project will turn in a display board and logbook. **Blank display boards will be provided to students in each classroom.** Logbooks can be recorded in a notebook, on paper and compiled into a binder or folder, or typed up on a computer and presented as a hard copy.

**Both display boards and logbooks are due January 14<sup>th</sup> for display setup. Do not bring experiments to school as part of your display.** Winning projects don't need props! Photos or diagrams of your experiments are a great addition to your board instead.



## Where Do We Find Help?

Students will be learning about the scientific method in a school assembly as well as in their classes. These concepts should be applied while completing their project. Your student's teacher will be providing a handout that contains guidelines, further details and resources, as well as a list of websites with great project ideas. An additional handout (provided by the 5<sup>th</sup> and 6<sup>th</sup> grade teachers) will cover specific guidelines for 5<sup>th</sup> and 6<sup>th</sup> grade projects, as they have the opportunity to advance to the Granite District Fair. (Links to these documents will be available on Oakwood Elementary's web site. Hard copies will also be available in the main office.) Finally, tips and reminders will be posted to Oakwood's social media accounts, and flyers sent home to remind you about the Fair.

## When Do I Work On The Project?

Although Oakwood's STEM Fair is not until January 15, 2019, **begin NOW!** A well-researched and executed project will result in a good experience for parents, teachers, and students. Our amazing Oakwood teachers can assist with refining topics, signing pre-approval forms for 5<sup>th</sup> and 6<sup>th</sup> graders, and may check for student progress.

## Why Are We Participating In The STEM Fair?

The STEM Fair allows a student to learn about the scientific method and apply it. Elementary students are naturally curious and generally interested in scientific topics. This is an exciting time to be able to participate in a STEM Fair. Students will be graded on their individual/small group projects by their teachers. Recognition will be given to each student as well as the outstanding projects in the 3<sup>rd</sup>-6<sup>th</sup> grades. Our judges will select 15 qualified projects from the 5<sup>th</sup> and 6<sup>th</sup> grades to participate in the District STEM Fair. **More questions? Please contact Michelle Cannon (STEM Fair Chair) at michelle.cannon@gmail.com or 385-315-6303.**