

Elementary Science Research Fair

A Teacher Guide



2020

Elementary Science Research Fair

Philosophy

The Elementary Science Research Fair concept was established to strengthen student motivation, understanding, and interest in science as well as the world in which they live. Through this experience, students apply classroom learned skills in real world science situations which increase their understanding of a systematic approach to problem solving. The project allows students the opportunity to communicate, defend, and validate their own scientific knowledge. In addition, the completion of a long term project is a beneficial life skill.

Purpose

The criteria for the FWISD elementary science projects, as listed in the rubrics, are based on the standards found in the Texas Essential Knowledge and Skills. The TEKS require that students plan and implement specific types of investigations at each grade level. Students must also be able to utilize appropriate tools, processes, safety precautions, critical thinking/evaluative skills, and know how to display and use data.

Work as a Scientist Unit Grades 2-4

Monday, February 24 to March 20, 2020

Registration Deadline

Friday, **March 20, 2020**

Registration Link: will be posted in the curriculum so the designated teacher can register projects

Set-up

Monday, **March 30, 2020**

Wilkerson-Greines Activity Center

You will be emailed an assigned time to bring your school's projects to the activity center.

Judging

Wednesday, March 31, 2020

Awards Ceremony

Thursday, **April 2, 2020**

Public Viewing – 6:00pm

Awards Ceremony – 6:45pm

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Participation

(Comparative Investigations are NO longer part of our Science Fair because they are not part of our TEKS.)

- All elementary schools are encouraged to enter the Science Research Fair.
- 2nd – 4th grade **projects should be descriptive investigations.** (Experimental projects are encouraged but not required.)
- 5th grade **projects can be descriptive or experimental investigations.**
- 2nd – 5th grade may work on individual or team projects (**Team projects are strongly recommended and should have 5 members max**).
- PreK – 1st grade may enter class projects for display, but they will not be judged.
- Individual projects:
 - Completed by one student, can be done at home
 - School staff may assist with project set-up
- Team projects:
 - No more than 5 students in a team
 - Team members must be same grade level
 - Team members must be enrolled at same school
 - Each student may only work on one project
- Class projects:
 - May include demonstrations, collections, and dioramas

Not Acceptable to include in projects

- Tobacco products
- Alcohol and drugs
- Blood, teeth, or body tissue
- Dissected animals
- Explosives
- Flammable and corrosive materials

Not Acceptable for display

- Live bacteria
- Mold
- Alternating current electrical wiring or circuits (**no extension cords or plugs**)
- Live animals*

*Live animals may be used in an investigation, but should not be displayed. Investigations using vertebrates (animals with backbones) MUST have a signed form or note from a veterinarian stating that the animal is in good health and will not be harmed by the investigation.

* No vertebrates or invertebrates may be harmed in the process of completing your investigation.

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Awards

Campus Level: Awards provided by campus and are campus based decision

Each campus may send up to 11 first place entries to compete at the District Level:

- 4 individual first place projects (one for each grade level - 2nd -5th)
- 4 team first place projects (one for each grade level - 2nd -5th)
- 3 class projects (one for each grade level - Pre K, Kinder, and 1st)

District Level: 1st, 2nd, 3rd place medals for grades 2-5 will be awarded by the District and presented on April 2, 2020 at the District Science Fair Award Ceremony.

1st place district winners will be displayed at the Fort Worth ISD Administration Building Foyer

Please note: The Science Department will only transport District Level 1st place projects to the Fort Worth ISD Administration Building Foyer. It is the responsibility of the campus, teacher, or project owner to collect the remaining science fair project(s). **ALL Science Fair Projects left at Wilkerson-Greines after the District Fair Awards Ceremony will be donated to science.**

Campus Winners Registration

Please use this online registration form to register the winning entries from your campus science fair. Online registration is to be completed by the campus Science Fair Coordinator, or Campus Representative.

The deadline for registration is March 20, 2020.

*****Registration Link: will be posted in the curriculum so the designated teacher can register projects*****

You must submit one form for each project entry. **Each campus may submit up to 11 project entries determined as follows:**

Individual Projects	Team Projects
<ul style="list-style-type: none">• One 5th grade 1st place• One 4th grade 1st place• One 3rd grade 1st place• One 2nd grade 1st place	<ul style="list-style-type: none">• One 5th grade 1st place• One 4th grade 1st place• One 3rd grade 1st place• One 2nd grade 1st place

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For Display Only

- One 1st grade class project
- One Kindergarten class project
- One Pre-k class project

Total Projects

11

You will be assigned a time during which you may deliver your projects. Delivery of projects will occur at any time from 10:00 am to 5:00 pm on:

March 26, 2019

Wilkerson-Greines Activity Center
5201 C.A. Roberson, Fort Worth, TX 76119

Please contact yohanis.delafuente@fwisd.org with any additional questions.