Simpson Elementary Science Fair

Thursday, January 23, 5-8 p.m.

Interviews (STEM Problem Projects Only) at 5 p.m.
Cafeteria Opens to All to View Projects at 6:30 p.m.
Awards Ceremony at 7:30 p.m.

To Register, Visit the Simpson PTA Website www.simpsonpta.homestead.com

Registration Deadline is Monday, January 6, 2020!

.....

SCIENCE FAIR ENTRY FORM 2020 SIMPSON ELEMENTARY
(ATTACH TO YOUR PROJECT)

Student Name: _____ Grade: _____ Teacher: _____

Phone Number: _____ Email:_____

PARENT OR GUARDIAN ACKNOWLEDGEMENT:
I have reviewed the Simpson Science Fair Rules and give permission for my child to participate in the Simpson Science Fair.

Parent/Guardian Signature: _____ Date: _____

STUDENT HONOR PLEDGE:
I pledge to uphold the Simpson norm of honesty and to do my own work for the Simpson Science Fair.

Student Signature: _____ Date: _____

STEM Project Problem (Potential to advance to Gwinnett County Science Fair):

_____ 1. Household Fats, Oils and Grease
_____ 2. Road Bank Erosion
_____ 3. Lake Lanier Phosphorous Levels
_____ 4. Energy Conservation in Georgia's Residential Homes
_____ 5. Protecting Georgia's Pollinators
_____ 6. Small Trash Pickup
_____ 7. Soil Health in Georgia

Traditional Science Project:

_____ Experiment
_____ Demonstration / Model

Brief Project Description:

_____

_____

GUIDELINES FOR STEM PROJECT (Potential to advance to Gwinnett County Science Fair)

Instructions for STEM projects can be found in a 2020 Science Fair Packet on the Simpson school and PTA websites or as a hard copy in Simpson Square. Briefly, STEM projects should be selected from one of seven community driven problems with STEM focus: 1. Household Fats, Oils, and Grease; 2. Road Bank Erosion; 3. Lake Lanier Phosphorous Levels; 4. Energy Conservation in Georgia's Residential Homes; 5. Protecting Georgia's Pollinators; 6. Small Trash Pickup; and 7. Soil Health in Georgia.

All projects should include:

- Display board (an example layout is included in the 2020 Science Fair Packet). The display board should include the following sections: Project Title; ASK - Selecting a Problem; IMAGINE - Background Research and Ideas; PLAN - Initial Solution Design; IMPLEMENT - Log of Tests and Evaluation of Solution; Results, Data, Graphics, and Photos; and IMPROVE - Reflection and Conclusion.
- Your designed solution (sample) model
- STEM project journal
- Copy of entry form

Students can work in groups.

GUIDELINES FOR TRADITIONAL PROJECTS

Experimental Projects require a testable hypothesis, documentation of how the hypothesis was tested, and the conclusions. Demonstration / Model Projects demonstrate a scientifically interesting phenomenon or a technology.

All projects should include: Title (as a header at the top of the display board); Hypothesis (experiment) or what is being shown and why (demo / model); Procedures / Methods (experiment) or Preparation / Build (demo / model); Results (experiment); Conclusions; Equipment or material used; The notebook used to record results (experiment); Any charts, graphs, tables, notes, photos or other visual aids that support your project; and Copy of entry form.

2020 SIMPSON ELEMENTARY SCHOOL SCIENCE FAIR RULES

1. All projects must be durable and safe. ***Projects involving vertebrate animals, food ingestion, dangerous chemicals, open flames or explosives are strictly prohibited.***

2. Exhibits should be brought to the cafeteria between 8:20 a.m. and 8:45 a.m. on the day of the fair.

3. **Students with STEM problem projects (all grades) should arrive at the cafeteria at 5 p.m. for the interview session from 5-6:30 in the cafeteria.** Students may be dropped off or parents may stay. While not being interviewed, students will wait in the media center where there will be a volunteer supervisor, a movie shown, and pizza and juice boxes available. **The cafeteria opens to all for project viewing at 6:30 p.m. The awards ceremony will be at 7:30 p.m.** 1st, 2nd, and 3rd prizes will be awarded in both the STEM Problems category and the traditional science fair category. **Only the top 3 (up to 6 students from any grade) projects in the STEM category will advance to the Gwinnett County Science Fair**. All participants will receive a participation ribbon.

4. Table-top projects must be free-standing, no larger than 18-inches deep (front-to-back) by 32-inches wide (side-to-side) and no higher than 3 feet above the top surface of the table. Students may construct displays like a miniature stage with three sides or purchase a tri-fold display board at a local office supply store.

5. Each project must have an entry form prominent on the back of the project's display board.

6. Projects should be the result of the student's own work. However, parental support and enthusiasm are welcome and necessary!

Volunteers Needed! If you're interested in helping please email sciencefair@simpsonespta.org.

Simpson Elementary PTA
everychild. onevoice.