KATONAH ELEMENTARY SCHOOL PTO'S

SCIENCE FAIR 2018

Monday, February 26th 5:30-7:30pm

Snow Date: February 27th

THE SCIENCE FAIR IS… NONCOMPETITIVE, OPTIONAL, OPEN TO K-5 STUDENTS AND FREE!!!

By signing up, you are committing to having fun and enjoying science!!!

Questions: *Leah Jacobson: lbjacobson18@gmail.com & Susan Williams: suekbrown@yahoo.com*

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Science Fair 2018 Registration Form

The title of my Science Fair project is: _____

The members of my Science Fair team are: (1-2 students only; any grade partners are allowed). One form per team.

Name: _____ **Grade:** _____ **Class:** _____

Name: _____ **Grade:** _____ **Class:** _____

Description of Project: _____

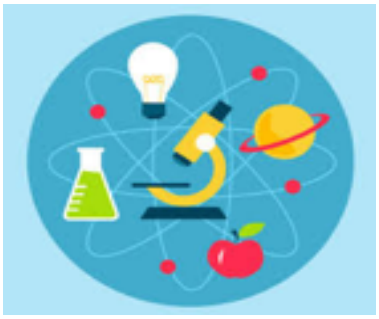
_____

_____

_____ **Parent/guardian consents to his/her child participating and agrees that child and siblings will be supervised at all times while at the KES Science Fair.**

Parent/Guardian signature: _____

DUE FEBRUARY 19TH "SCIENCE FAIR" TO MAIN OFFICE



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Participating

- Students may work alone or with one other schoolmate, from any grade.
- Choose a topic to research or a question to investigate.
- Present your findings in a display that can be as simple as a poster or as complex as an experiment to accompany your poster.
- Prepare for the Science Fair night by practicing your presentation and answering questions about your project.
- Bring your project to the cafeteria on Monday, February 26th by 4:30 PM.
- Invite your family and friends.
- Present your project to your family, friends, KES peers, and the visiting scientists.
- Take your project home with you at the end of the Science Fair and clean up your area.

Students must be accompanied by a parent/guardian the night of the Science Fair.

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Science Fair Rules and Regulations

- Number one rule... Think safety first!
- All experiments should be supervised by an adult.
- Respect all life forms; do not perform an experiment that will harm an animal.
- Any project that breaks district policy, and/or local, state or federal laws are not permitted.
- Use safety on the internet! Never write to anyone without an adult knowing about it. Be sure to let an adult know about what websites you will be visiting, or have them help you search.
- If there are dangerous aspects of your experiment, like using sharp tools or experimenting with electricity, please have an adult help you or have them do the dangerous parts.
- **No electricity will be available.**
- No live animals, dangerous chemicals, open flames or explosives. Molds, fungi or potential allergens must be displayed in sealed containers. Contact us or use photographs if in doubt!
- No food sampling allowed during presentations.
- No projects requiring NUTS to be present at the fair allowed.
- Projects may be as simple as researching a question on the Internet or more complex like a demonstration model, an experiment, a working mechanism, or charts, diagrams or collections with a scientific objective.
- **Tabletop projects must be no larger than 15 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.**
- Table-top displays must be freestanding and stable because no backing or rear display board of any kind will be provided.
- Tri-fold boards for tabletop projects are recommended. Tri-fold boards can be found at Staples (or purchased from the Science Fair Committee for $5 each).
- On the back of your display, include: name(s), grade(s), and teacher(s)

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Displays

- Consider including the following on your display (if appropriate for your project):
  - Title (your question or your hypothesis in the form of a question)
  - Research or Background Information and Sources
  - Variables
  - Materials
  - Procedure (include description of steps)
  - Results (pictures, data tables, and/or charts)
  - Conclusion (Was your hypothesis correct? Explain.)
  - Survey
  - Frequently Asked Questions
  - Additional information
  - Suggested books and/or websites
  - Pictures
  - Diagrams
  - Application of your investigation

Display Board Example: Experiments

Procedure	***PROJECT TITLE*** ***Name and Grade*** ***Research Question*** ***Hypothesis*** ***Conclusion***	***Results***

Display Board Example: Inventions and Demonstrations

Procedure	***PROJECT TITLE*** ***Name and Grade*** ***Purpose*** ***Materials***	***Results***

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Science Project Ideas

- Science project books are available at both the KES and the Katonah Library.
- Check out **www.sciencebuddies.org** or other science project websites.
- Attend an optional after school informational sessions to get ideas and learn about planning your project: K-2nd **Tuesday, Dec. 5th** & **3rd-5th Thursday, Dec. 7th**

PROJECT IDEAS:

How does popcorn pop?
Why do buildings often use florescent lights instead of bulb (incandescent) lights?
Why do airplanes fly?
Why do they salt the roads when it snows?
Why is oil so important to us?
Why do plants tend to grow in the direction of the sun?
Does everything fall to earth at different rates?
Why does a prism create a rainbow pattern of light?
Why do firefighters sometimes use fire-retardant foam to fight fires instead of water?
Can you make pure water from salt water?
Why does your body secrete sweat when you get hot?
How do certain creatures like squid change their coloration to hide from predators?
How much air is in your lungs?
How do windmills work?
How does exercise affect the heart?
How does smoking affect the lungs?
What affect does sight have on your ability to listen?
What affect does color have on your memory?
How does water temperature affect the growth of bacteria?
What temperature is best to preserve food?
How does pollution affect gardens?
How does a cell reproduce?
Is your water safe to drink?
Does soil pH affect plant growth?
How does temperature change affect living things?
How clean is our air?
Is organic soil better for plants?
Did the Egyptians practice dentistry?
What is the best way to clean an oil spill?
How do simple machines make our life easier?
Which material is the best insulator?
How does arch curvature affect load carrying strength?
How do different foundations stand up to earthquakes?
Streaks in Baseball: A Matter of Chance?