

*Evening of Excellence
Science Fair &
Invention Convention*

*Check Website for Dates and Times
schoolfairexpo.weebly.com*

What is the Science Fair?

The Science Fair is celebration of students' work researching and investigating a scientific topic of interest to them. Students display their projects and present to parents, students and local community members. This is an opportunity for children to be experts about a topic and to communicate what they have learned.

What is the Invention Convention?

The Invention Convention is a showcase of student creations and inventions designed to better their lives and the world around them. Students then present their creations to parents, students and local community members. They have a chance to share their invention and what they have learned.

Why should I do a Science Fair Project or Create an Invention?

A Science Fair project or Invention creation is a great way to show off your creativity and share your interests with others. Students also get to spend time with their parents and practice some of the skills they learned in school.

Benefits

Reading:

- ✦ Researching a topic of interest.
- ✦ Reading material lists.
- ✦ Following procedure lists.

Benefits

Writing:

- ✦ Sharing
- ✦ Being An Expert
- ✦ Describing your project/procedure.
- ✦ Explaining your results.

Benefits

Math:

- ✦ Measuring.
- ✦ Showing data on a graph or chart.
- ✦ Comparing data points.
- ✦ Looking for patterns.

Benefits

Science:

- ✦ Forming a hypothesis.
- ✦ Testing a hypothesis.
- ✦ Making observations.
- ✦ Drawing conclusions.

Who can participate?

- ✦ Optional for Kindergarten through 4th Grade.
- ✦ Required for 5th graders as part of the 4th quarter Science grade.*

Steps Toward the Fair and Convention

- ✦ We hope you have already begun thinking about a project.
- ✦ Students turn in a Project Proposal form.
- ✦ Students work to complete project at home.
- ✦ Students will meet a few times with peers in school to discuss their progress.
- ✦ Students present their projects at the Science Fair or Invention Convention.

Three Categories of Science Fair Projects

- ✦ Choose from any of the three categories based on student interest and expertise.
 - ✦ Experiments
 - ✦ Demonstration or Model
 - ✦ Collection

Experiments

- ✦ *Examples: Having to do with living and non-living things.*
 - ✦ *What will happen if you water a plant with soda?*
 - ✦ *Which laundry detergent gets stains out most completely?*
 - ✦ *How long does it take for a sunflower seed to sprout?*
 - ✦ *Is liquid glue stronger than a glue stick?*

Demonstrations or Models

✦ *Examples*

- ✦ *Ant Farm*

- ✦ *Parts of a Plant*

- ✦ *Volcanoes*

- ✦ *How Airplanes Fly*

- ✦ *The Water Cycle, etc.*

Collections

- ✦ *Examples*
 - ✦ *Seeds*
 - ✦ *Shells*
 - ✦ *Rocks*
 - ✦ *Leaves, etc.*

Invention Convention Projects

- ✦ Each project will look different and meet a different need.
- ✦ Students may work with parents or family members to identify a problem around their house for which they invent a solution.
- ✦ Students may identify a need, obstacle, or problem in their community for which they invent a solution.

What does a Science Fair or Invention Convention project look like?

- ✦ Choose a question to explore.
- ✦ Decide on an experiment, model, demonstration, collection or invention.
- ✦ Do research on the question.
- ✦ Do the project.
- ✦ Write a report including background, research done, conclusion, etc....
- ✦ Make a visual aid (chart, drawing, graph)
- ✦ Put it all together on a board or display.

The Most Important Reason

Students and parents

will feel a

**sense of accomplishment and
satisfaction**

when they finish their projects and share
their great work during this FUN event!!