

ST. ISAAC JOGUES K-4TH

SCIENCE FAIR INFORMATION

WEDNESDAY, APRIL 18, 2018



2018 SIJ Science Fair

Wednesday, April 18 6:00-7:00pm

The SIJ K-4th Science Fair will take place on Wednesday, April 18 in the SIJ gym and the whole family is invited to attend! Projects can be as simple or complex as you'd like. Individual or group projects are welcomed. All budding scientists will be recognized with a token of participation as well as the pleasure of a casual dress day (date tbd). Also, each participant will be entered in a raffle that evening for a science-related basket prize. One to be given **per grade**. As an added bonus, any student entered in the science fair by noon on March 27 will be entered in a raffle to win some fun prizes!!! This is a great opportunity for students to get excited about science!

Important Details:

- Check your email for a SignUp Genius to register your child- Please contact us if you do not receive the sign up email.
- Projects can be brought to school in the morning for viewing by classes during the day (further details to follow for those who sign up)
- Group projects should consist of no more than 3 students
- Students may work with a student in another grade (ie: siblings)
- No food or candy will be allowed to be given out
- All projects need to be taken home at the conclusion of fair. Any items left will be discarded
- Please talk with your child/ren about only positive comments to be written on the participants comment sheet
- This is not a drop off event. One adult per project must be present.

For questions, please contact Gina Papadakos at ginamarie127@hotmail.com or Liza Matricaria at matricariafamily@yahoo.com.

Attached you will find:

The Primer Question List – This will help you to get started and get your mind thinking about science.

Science-Related Website List – This list has appropriate science related sites with project, material, and presentation ideas.

“How to make it Look Good!” Handout – Suggestions on how to make your display easy to understand and look good.

The Primer Question List

Water World

- Which type of water evaporated the quickest: salt, fresh, distilled, tap?
- What melts ice quickest: salt water, tap water, soda, vinegar?
- Does the temperature of water affect the rate Alka Seltzer dissolves?
- Which solids dissolve the fastest in water: salt, sugar, baking soda?
- How does dry ice react to different liquids?
- Which brand of detergent produces the most suds? Which has the longest lasting suds?
- Does water and oil mix? Oil / Vinegar? Water / Vinegar?
- Can a needle really float on water?

Home World

- Which brand of syrup pours the slowest? Does temperature affect the answer?
- Do crystals grow at the same rate?
- Do suction cups stick equally well to different surfaces: wet dry, greasy, smooth, rough?
- Why does pop fizz more when ice cubes are added to it? "Why does soda fizz?"
- Do metals rust at different rates?
- Why does popcorn pop?
- Why do apples turn brown soon after being cut?

You and Your World

- Does the time of day affect your body temperature?
- Why do your ears pop in airplanes?
- Why does there seem to be more pressure at the bottom of a pool?
- Why do you feel cold when you get out of the tub/shower?
- What makes your hands wrinkle when soaked in water?
- Why is your hair attracted to your brush?
- Why does it feel colder when it is windy?

Outside World

- How does an earthquake work? Volcano?
- Why are sunsets/sunrises red?
- What is lightening? Thunder?
- What are clouds made of? Why does it rain?
- Are all metals magnetic? Which ones?
- How is an atom like a tiny solar system? How are they different?
- Is the Earth closer to the sun in the summer? What makes it warmer in the summer?
- If the Sun is much bigger than the Moon, why do they look like they are the same size?

Living World

- Does sugar prolong the life of cut flowers?
- Which covering keeps bread from molding the longest: foil, wax paper, plastic wrap?
- Does air cause rood to grow moldy?
- Which type of fruit will grow mold the fastest?
- Does a dog know colored water from clear water?
- Does the type of soil affect how well plants grow?
- Will caffeine affect plant growth? Soda? Juice? Salt?
- Does gravity affect the direction that a seed grows?
- Can plants grow from leaves?

Science-Related Website List

Science project ideas . . . a good place to get started

<http://www.ipl.org/youth/projectguide>

Science activities

<http://www.tryscience.org>

Mad scientist network

<http://www.madsci.org>

Background information and science project ideas

<http://www.enchantedlearning.com>

Science project ideas

<http://www.sciencespot.net/>

The Science Club

<http://www.halcyon.com/sciclub/kidproj1.html>

Bill Nye

<http://www.nyelabs.com/>

Fat Lion (easy at home projects)

<http://www.fatlion.com/science/>

PBS/Zoom (easy ideas for younger students)

<http://pbskids.org/zoom/sci/>

Science Made Simple

<http://www.sciencemadesimple.com/projects.html>

Microscopy and Microanalysis Server (older grades)

<http://www.amc.anl.gov>

How to Make it Look Good!

Here are a few simple suggestions that will not only help make your project easy to understand, but also make it look good!

1. Use writing that is easy to read from at least 6 feet away. Font size 36 or larger is best if you type with a computer. It is better to type than write your poster by hand if possible.
2. It is important to write (or type) in a dark color on a light background. Also, 1 out of 20 people have a type of color blindness which makes it tough to tell red from green, so never write with green ink on red or pink, or vice versa.
3. Separate the information on your display into subtopics. You can use standard subtopics like:
 - Title
 - Your name, grade and teacher
 - Introduction: Background information about the topic you studied
 - Hypothesis: What you thought would happen
 - Procedure: Write how you did your project
 - Data: Here you will display any tables, graphs, diagrams or pictures
 - Results: Here you can write a paragraph about what you discovered
 - Conclusions: What you learned

If you decide to do a demonstration instead of an experiment, you will not need some of these topics.

4. Use a trifold board no larger than 36x48.
5. You can write directly on the board, but you may find it easier to put each section on a separate piece of paper, and then glue or tack each topic on poster board.

Here's an example of a science poster with the different subtopics on separate sheets of paper.

HAVE FUN!

