Science Fair

On March 22nd Sacred Heart will be having the annual Science Fair. This event is open to students from Kindergarten to 8th grade. Junior high students (grades 6-8) are required to participate. This is a fun and creative way to learn a little more about science. There will be judges and awards given out. There will also be an opportunity for everyone to view the science projects and speak to some real scientists. Below is some general information you will need to get started. Please contact anyone on the Science Fair Committee if you have any questions or concerns. The attached page you will find an outline form to help you get started. The outline form must be turned in by February 24th.

General Information:

Outline of Project due date: February 24th

Science Committee review/comment/return to students: March 3

Date of event: March 22nd

Tentative Schedule of events:

Set-up: 7:30am on March 22nd

Viewing: 5:30pm – 8:30pm on March 22nd

March 23rd - classroom viewings

Take down: 2:50 on March 23rd

Guidelines:

K-3rd grade students may work in groups or individually. These projects can be demonstrations. Example: How does a volcano erupt?

4th -8th grade students will work on projects individually and follow the Scientific Method. (Solving a problem they don't know the answer to through experiments).

Board Measurements:

Maximum width: 4ft. Maximum depth: 2 ½ft.
Maximum Height: 6 ½ ft.

Scientific Method:

<u>Problem (or Question)</u>: State a problem, usually in the form of a question.

<u>Hypothesis</u>: Write down the answer to your problem. This is not a guess but an answer based upon knowledge obtained upon research or observation.

<u>Controlled Experiment (Procedure)</u>: Your plan to test your hypothesis. You explain both your methods and materials.

<u>Results</u>: Write down the observations and measurements of your experiment. Tables of information to organize your data and graphs to present it are very important.

<u>Conclusion</u>: Try to answer your hypothesis: Were you right or wrong?

Remember, some of the best experiments prove their hypothesis wrong! Always use the experimental data from your results to support your conclusion.

The following are the scientific sections that are available to students:

- **Botany**
- **Earth Science**
- **Physical Science**
- **Environmental Science**
- **Behavior/Physiology**
- **Microbiology**
- **Zoology**