



St. Isidore Catholic School SCIENCE FAIR PROJECTS Grades 6, 7, & 8

The Science Fair is fast approaching and will be held during Catholic Schools Week January 31-February 5, 2010. All 6th, 7th, and 8th grade students are required to submit a science project with a report. All projects will be judged by an outside team of qualified people.

Dates to remember:

- | | |
|-----------------------------------|--|
| *Projects due at New Parish Hall: | Monday, 7:30am February 1, 2010 |
| *Judging: | Tuesday, 2:30pm—February 2, 2010 |
| *Open House & Science Fair | Wednesday, 6-8pm –February 3, 2010 |
| *Projects taken home | Friday, end of school-February 5, 2010 |

Our fair requirements are aligned with the Sacramento Regional Science & Engineering Fair (www.srsefair.org) which is a feeder fair into the California State Science Fair (www.usc.edu/CSSF/). Our fair does **not** have an interview component due to short staffing. However, St. Isidore students are required to give oral presentations to their teacher as a part of their science grade. Also, each project will have just one written report and one logbook for the judging. However, each St. Isidore student is required to turn in their own report for their science grade.

Students from outside schools: please submit a notice to gmarsh@stisidore-yubacity.org of your name, project title, grade, and contact information before January 22, 2010.



General requirements: See “Judging Rubrics” and “Grading Rubrics” for additional information.

1. All projects must be approved by your science teacher.
2. A project may be done by one or two students. The students must be in the same grade. Teachers and parents may advise the student(s), but all work must be done by the individual student(s).
3. All projects must be experimental in nature.
4. Display boards must be no longer than 30” front to back, 48” wide, and 96” tall.
5. Each display should be made of wood or cardboard and must be able to stand by itself. There are ready made display boards at Staples, Walgreens, Target ranging in price from \$3.50+
6. All switches and cords must be of an approved type. Each project requiring electricity must have at least a 6-foot extension cord and teachers must be notified before Fair setup. Battery operated circuits are acceptable.
7. Dangerous chemicals, open flames, explosives, live insects, live vertebrate animals or anything which could be considered safety hazards are not allowed. Photos may be used as a substitute. Check with your teacher if you are not sure.
8. No experiment will be allowed that may endanger the life or health of any person or animal. If classmates are asked to volunteer information, the PRINCIPAL must be informed and permission slips are required.



Specific requirements:

Logbook: (One per project) This is a journal of your progress on your project from start to finish, from getting your idea, to researching the subject, to making a plan, etc. Date each entry. Don't worry so much about neatness although it should be readable. Write about what is happening, your goof ups, your ideas, etc. Make your rough data tables to record data as it comes up. (You will make neater ones later for the report and display.) Make drawings, sketch out how you want your graphs and charts to look, etc This demonstrates to judges and teachers your thought process, creativity, and originality.

Written report: The report may be hand written or typed. Use one side of the paper only. Hand written reports must be on college ruled paper and written in ink and cursive writing. Your last name(s) and page number should be in the top right hand corner. All facts and quotes should have a citation. See “Writing the report” for specific required sections. (St. Isidore students must each write their own for science grade though only one report per project is due for judging.)

Display: The display should be neat, visually appealing, and contain the key elements that are in the written report. See “Making a display” for specific required sections.

Oral presentation: (St. Isidore students): See “Making a presentation” for specific requirements.

| Separate page? | Section | Description |
|--------------------------------------|---------------------------------|--|
| new page | Title page | Title of project, your name(s), grade, date |
| new page | Abstract | A summary of less than 250 words including purpose, hypothesis, general procedure, general results, and conclusion. There are no tables, graphs, citations, bibliography, etc. |
| new page | Table of contents | Each section with page number |
| new page start numbering pages | Abstract | A summary of less than 250 words including purpose, hypothesis, general procedure, general results, and conclusion. There are no tables, graphs, citations, bibliography, etc. |
| new page cont. to number pages | Question, variables, hypothesis | State in paragraph form what are your question, independent & dependent variables, and your hypothesis. |
| continues from previous page | Background research | This is information about your topic with citations from your resources. |
| " | Materials list | A detailed list of the materials that you used and the amounts of them. |
| " | Procedure | A description in paragraph(s) form of exactly what you did with the materials in the correct order. This is like a recipe for your project. |
| " | Data Analysis & Discussion | This where you tell your results in paragraph form and talk about how you analyzed the data to come up with your results. Also include data tables, graphs, charts, pictures that are all labeled with title, proper units, etc. |
| " | Conclusion | What you think about why you got the results. Was your hypothesis supported? Are there any changes you could make? Are there more experiments to be done from here? |
| " | Acknowledgements | Tell who helped you with what parts of your project. |
| new page | Resources or Works Cited | This is a bibliography, a listing in order of all your resources. See example. |

Resources or Works Cited: These are the resources that you used for your background research. Use the format as shown. Put them in alphabetical order by author's last name.

Author's Last Name, Author's First Name. Title of Book. City: Publisher, Year.

Author's Last Name, Author's First Name. "Title of Article." Title of Publication Date Published: Pages.

Author's Last Name, Author's First Name. "Title of Online Article." Title of Online Publication Version (Year Published): Pages. Date Accessed <Web address>.

"Title of Article." Title of Media. CD-ROM. City: Publisher, Year.

***Internet Reference Citation:**

Author's Last Name, First Name. "Title of Document."

Title of complete work. (if applicable)

Version or File number. (if applicable)

Document date or date of last revision. (if different from access date)

Protocol and address, access path or directories. (date of access)

Example:

Johnson-Eilola, Johndan. "Little Machines Rearticulating Hypertext Users." 3 Dec. 1994 <ftp://ftp.daedalus.com/pub/ccccc95/Johnson-Eilola> (14Aug.1996)

***Books:**

Author. Title. Place Published (city): Publisher, Date Published.

Example:

Smith, Alfred H. Birds of Sutter. Yuba City: Ledger Press, 1962.

***Magazines:**

Author. "Title of Article." Name of Magazine. Place Published: Publisher, Date Published.

Example:

Jones, Michael. "Snake Pits." National Geographic. Washington D.C.: National Geographic Society, November 1975.

***Encyclopedia:** Author. "Title of Article." Name of Encyclopedia. Volume Used, Date published, (signed article), page.

Example:

Jackson, William. "Reptiles of South America." Encyclopedia Americana. Volume Twelve, 1987, page 35.

***Encyclopedia:** "Title of Article." Name of Encyclopedia. Volume Used, Date Published, (unsigned article) Page.

Example:

"Birds of America" Encyclopedia Americana. Volume Two, 1966, pg 42.

***Newspaper:** Author. "Title of Article". Name of the Newspaper. Date, Page Number.

Example:

(Unsigned) New York Times. July 9, 1977, Page 12.

***Interview:** Person's Name, Occupation, Date of Interview.

Example:

Katz, Richard. Director N.B.C. Television, August 13. 1971.

***Audio Visual:** Title, Where You Saw This, and Date.

Example:

"Nature", Discovery Channel, January 17, 1988.