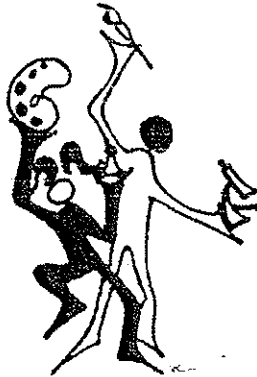


## St. Agnes Art and Science Fair

Dear Students and Parents,

Thank you for your interest in the St. Agnes Art & Science Fair. The Fair is open to all grades but participation is not mandatory for grades K-5. By participating in the Fair, we hope the students will expand and develop their interest in these areas. All K-5 Fair participants will receive a participant ribbon—and also, we hope, a sense of accomplishment. We have compiled the attached packet to help you in your planning.



### Some important dates

**Friday, February 17, 2012** is the deadline for turning in applications. You may turn in your application sooner. We just need to have an idea of what kind of projects there will be and how many to prepare for. (If your idea changes, just let us know. Thanks!)

**Monday, February 27, 2012—2:30-3:30 pm**—K-5 bring completed projects to the church hall. Please make sure name/title is attached and visible.

**Tuesday, February 28, 2012—7:30-8:00 am**—Grades 6-8 bring in completed science projects to the church hall. Please make sure name/title is attached and easily visible.

**Tuesday, February 28, 2012—6:30-8:00 pm**—Projects are displayed for classes and parents. Projects must be taken home at 8:00 pm so we can put the church and hall back in order.

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## Where to get ideas for the Fair

### Art

-Look at the world around you. Some of the best Art comes from artists who find inspiration from important people, places, etc in their lives. Some great ideas are self-portraits or pictures of family members or friends. When doing a portrait, you can include favorite colors, symbols of favorite hobbies or things (i.e. yourself wearing a 49er shirt, your favorite color pants, and holding a basketball, a fishing pole and a paintbrush). Remember you are the artist and you can be as creative as you want.

-Books: The St. Agnes Library or the local library has many art books.

-Use your imagination...have fun!

### Science

-Observation and your own curiosity: Why do things work the way they do? How could I make something better? What would happen if I changed something? Questions that begin with what, why, how, where, and when stimulate curiosity and scientific thinking.

-Books: The school library, the public library, the Lawrence Hall of Science, the Exploratorium, book stores, and teacher supply stores.

Thank you for your interest and support. If you have any questions, feel free to contact Jennifer De Freitas (925) 680-8712 / [jendef1@comcast.net](mailto:jendef1@comcast.net) or Margaret Bettencourt (925) 680-0449 / [bettencourt4@sbcglobal.net](mailto:bettencourt4@sbcglobal.net)

## Visual Art Guidelines

Every student is allowed to submit **one** piece of art. **All artwork must be the student's original design. No copyrighted or published images will be accepted unless permission has been received in writing by the creator.** Up to two students may collaborate on one art project.

Photography: A singular photographic print may be taken by one student with an instamatic, automatic, digital or panoramic camera. Prints may be in color or black and white. Photographs may be developed professionally. A print taken by the student may be painted, stained, dyed or marked on by the student. A collage, montage, sandwich or multiple exposures of photos taken by the student will be accepted. No glass covered photographs. You may cover with acetate or plexiglass.

Computer Generated Art: A student may scan in a photo or drawing that the student has produced and then manipulated the image.

Prints: All graphic processes such as linoleum cuts, serigraphs, woodcuts, eraser prints, or vegetable prints will be accepted.

Drawing: All types of drawings are acceptable including pencil, charcoal, chalk ink, crayon, colored pencil, pastel, markers, or any combination of mediums.

Painting: All types of painting will be accepted including tempera, acrylic, oil, watercolor. Paintings on stretched canvas will be accepted. T-shirt paintings will be accepted, but they must be mounted for presentation. No paint-by-number kits will be allowed, only works of original design.

Metal or Leather work: Metal or leather etching or punch work will be accepted.

Fiber work: Any original fiber work, needle or sewn design will be accepted. No kits allowed, only original designs.

Sculpture: Three-dimensional works will be accepted. This includes ceramics, plaster, metal, paper-mache, fiber and any other medium.

Sketchbooks: A student may submit a piece of work in sketchbook. The page to be displayed must be clearly marked.

## Visual Art Rules for Displaying Work

Two-dimensional work: All two-dimensional work (including photography) **must** be mounted on construction paper, matt board, foam core board, poster board or framed without glass. Pieces should be mounted so that a boarder 1" to 3" surrounds the art image. (ie If the art work is 8"x8" then the piece of construction paper should be approx. 10"x10") The full name of the artist and their grade should be clearly printed on the back of the mounted work. No glass frames will be accepted. Works covered with acetate or Plexiglas will be accepted.

Three-dimensional work: All three-dimensional work should be soundly constructed. If work is extremely fragile then it needs to be mounted onto a wood, cardboard or foam core board base. The artist's full name and grade needs to be printed on the bottom of the work.

### The Scientific Method

**1. Ask a question.**

Example: What will happen if I vary the amount of baking soda in my cookie?

**2. Research your question.** Find books at the library, use the internet (with your parent's permission), or find an expert.

Example: Research why baking soda is important in baking. Find out what baking soda does and how it works.

**3. Develop a hypothesis.** (A hypothesis is just an educated guess which answers your question. It does not matter whether the hypothesis is correct or not. Your data will tell you that.)

Example: If I increase the amount of baking soda in my cookie recipe, I think my cookies will rise higher.

**4. Plan an experiment which will give you data demonstrating whether your hypothesis is correct or incorrect.**

Example: Make several batches of cookies. In each batch, vary the amount of baking soda. Keep accurate and detailed records in a journal.

**5. Do your experiment and collect data.**

Example: Bake the cookies with different amounts of baking soda in them. Record your data in your journal. You may also want to take pictures of the cookies and freeze samples to display at the fair.

**6. Organize your data.**

Example: Make a chart showing how much baking soda you used in each batch. Write a description of how the cookies turned out in each batch. Draw pictures, or take photographs.

**7. Make conclusions.** Did your data support your hypothesis or not?

Example: My data demonstrated that putting more baking soda in the cookie recipe did not make the cookies rise higher.

**8. Did your experiment make you think of a new question?**

Example: I wonder what would happen if I varied the amount of salt?

### Guidelines for Displaying your Science Project

-Cardboard or a display board folded into three parts makes a good backdrop for displaying your science project.

-On your science board you MUST include: your name (first and last) and your grade. You MUST also list everyone who helped you with your science project. This is what scientists do when they present the results of their experiments.

-Make up a title for your experiment and put it at the top of your display board in large letters.

-Write a description of what you did. Use graphs and charts to make you data easier to understand. Be sure to display your journal as well. If you are using the scientific method, use the following headings: The Question, Research, Hypotheses, Experiment, Data, Conclusions, Further Questions. Be sure to write a short description under each heading.

-Include pictures. You can draw pictures, use photographs, or cut out pictures from magazines or from the computer.

-Display objects related to your experiment. (Please do not bring valuable items.)

-You may provide a hands-on activity for students to try. Please bring paper towels if your project uses liquids or is messy. You are responsible for project clean up.

### **St. Agnes Art & Science Fair Safety Rules**

- All projects must be approved by your parent and the Art and Science Committee before starting.
- No live vertebrate animals may be exhibited at the Fair (models, stuffed animals, photographs, or videos should be used instead).
- No open flames will be permitted.
- No human body parts may be displayed. Exceptions are teeth, hair, and nails.
- Any displays of bacteria or fungal cultures must be in closed containers.
- No dangerous or combustible chemicals may be displayed at the Fair. Rockets of engines must not contain fuel. All chemical displays must have the contents clearly marked on the container and be presented in a safe manner.
- If eye protection is necessary, student experimenters must wear safety goggles and follow standard safety practices. Parent supervision may be required for some projects.
- All projects using household electricity must conform to standard wiring practices and safety. Due to limited electrical outlets, preference is given to grades 6, 7, and 8. Outlet availability is on a first come-first served basis. Plan on arriving early to set up project by an outlet. Fair moderators will not reserve spots for students.
- Valuable or fragile items essential to the project should be simulated or photographed.
- Collections (i.e. minerals, shells, feathers, etc) can be protected with a covering of plastic wrap.
- Bring paper towels if your experiment uses water, ice, or another liquid or is otherwise messy. You are responsible for the clean up of your project.
- Items to be displayed in front of display board must be adequately secured (i.e. batteries, wire, switch and motor secured to a piece of plywood and place in front of the board).
- Carefully pack all materials when transporting to and from the Fair.

**Art & Science Fair Application**

**Art**

Maximum of two students per Fair Project. Please clearly label your project with you name.

Choose one or both areas but no more than 1 science and 1 art project per student.

**Please print clearly.** We will use this information for your certificate or ribbon.

1.	_____	_____	_____
	Student's first name	Student's last name	Grade
2.	_____	_____	_____
	Student's first name	Student's last name	Grade

For my art project I would like to: (check one)

\_\_\_\_\_ Display a drawing

\_\_\_\_\_ Display a painting

\_\_\_\_\_ Display a sculpture

\_\_\_\_\_ Display a craft

Describe what you plan to do for art: (No copyrighted images accepted unless student has written approval from original artist/manufacturer.)

\_\_\_\_\_

Medium (Materials) used: \_\_\_\_\_

Approximate size of project: \_\_\_\_\_

All two-dimensional work must be mounted on construction paper, matted, or framed. Please remove any glass from frames, we do not want breakage.

Parent Approving Project \_\_\_\_\_ Date \_\_\_\_\_

**Email completed application by 2/17/2012 to [bettencourt4@sbcglobal.net](mailto:bettencourt4@sbcglobal.net) or turn a hard copy into the office. Applications will be considered approved unless there are questions about the project. If this occurs, a committee member will contact the child's parents for clarification.**

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