Science Fair is January 28 & 29, 2016

***Key Dates & Information***

***January 8****: Registration Form due.*

***January 28:*** *Projects due at school. Set up begins at 2:00pm. All projects must be set*

*up by 5:00pm.*

***January 28:*** *Open House 6-7:30pm*

*Students are encouraged (optional) to spend part of the evening next to their*

*projects to practice presenting.*

***January 29:*** *Science Fair judging (morning).*

*Students will take down their projects in the afternoon & can take them home*

*unless otherwise specified by their teacher. 4th & 5th grade projects may stay at*

*school for in-class presentations.*

*\*\*4th & 5th grade teachers will communicate additional timeline information to their classes.*

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Registration Form – due January 8, 2016

\*\*For partners, please include all students on one registration form. Only one form is needed. ***Please write legibly and include full name and class code of all team members!***

Please circle one: **Individual Registration** or **Team Registration**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Code: \_\_\_\_\_

Partner #1 (if applicable): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Code: \_\_\_\_\_

Partner #2 (if applicable): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Code: \_\_\_\_\_

Project Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Brief project description: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Do you need electricity? Y / N

Most displays are no more than 3 feet wide. If you anticipate your display will be larger than this, please explain & provide approximate measurements:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Volunteers

\_\_\_\_\_\_\_\_ Yes, I would like to help with the Science Fair. Select area(s) where you can help:

Set-up (1/28 afternoon) Day-of/Runner (1/29 morning) Take Down (1/29 afternoon)

Parent Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone/email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**More Details**

**Participation**: All students in K-5 are eligible. Participation is mandatory for 4th & 5th.

**Methodology**: Students must follow the Scientific Method (below).

**Topics**: Anything goes! Be creative! But remember to be safe. Projects cannot use hazardous chemicals, materials or fire. Students must be able to handle projects safely at school with no protective equipment or parental supervision.

**Presentation**: The presentation includes 3 parts: a poster board or tri-fold board summarizing the project (organized according to the Scientific Method), the student’s log book, and a 3-5 minute oral presentation.

Supporting materials may be displayed in front of the poster/tri-fold board – but students will not have time to perform their experiment for the judges.

**Judging Criteria**: Judges look for: creativity, independent student effort, strong understanding of the experiment, and use of the Scientific Method.

**Parent Involvement**: This is a chance for your student to EXPLORE! Projects must be completed at home, by the student. Parents may provide supplies, moral support, and limited guidance where needed.

**Partners**: Students may work with a partner (recommend 2 per group, no more than 3 allowed). Partners may be in different classes/grades. Projects will be judged with the highest grade. Judges expect all students to display equal effort and expect project complexity to increase as the number of students increases.

**Questions?** Contact Jill Chen (jcd12.chen@gmail.com)

**SCIENTIFIC METHOD**

**An organized way of figuring something out.**

1. **Question** – What do you want to learn? What is the purpose?
2. **Hypothesis** – Try to predict the answer, make an “educated guess”. This is usually stated like “If I…(do something) then…(this will happen).”
3. **Materials** – Identify materials needed to carry out the experiment.
4. **Procedure** – List the specific steps you will follow to carry out the experiment.
5. **Observations and data** – Record what happens during the experiment. What do you observe? What data do you measure?
6. **Conclusion** – Review the data and state whether your hypothesis was proven or not. This is usually stated like “When I…(did something) then…(this is what happened).”