

Calling all young scientists!

It's time for the Bells Mill Elementary Annual Science Fair!

Come participate on the 2015 Bells Mill ES Science Fair.

The Science Fair is non-competitive and it is open to all students in grades K to 5th.

Participation is voluntary.

April 17, 2015

Daytime Viewing: 9:30 to 11:15AM

Open House: 7 to 8:00 PM



Guidelines for the Science Fair:

- All projects must be durable and safe.
- Each project is limited to a tabletop area approximately 36 x 48", and should be able to stand by itself. We recommend using a tri-fold display board.
- Only the project board should be brought to school. You do not need to bring in the actual experiment, only pictures, graphs and descriptions of what you did. Displays should not require access to an electrical outlet.
- Daytime viewing instructions: bring the display in the morning to the APR before 9:15AM. Classrooms will come visit the Science Fair from 9:30AM to 11:15AM. Participants will not need to stand by their project during daytime viewing. Volunteers will set up, and later store the display boards for the Open House in the evening - no need to take it home and bring it back!
- Participants will have an opportunity to stand by their project during the Open House viewing time to describe their experiment to visitors.
- Parents and families are more than welcome to become involved with the student's project.

All participants in the science fair must follow these important rules:

- Your project must not hurt anyone.
- Your project must not hurt animals.
- Dangerous chemicals are not allowed.
- No open flames are allowed.
- Live animals cannot come to the fair.
- You can work with a friend.



Each participant must sign up before March 31st 2015. Sign up online at <http://www.signupgenius.com/go/20F0E44AEA87-2015>

Volunteers needed!

A big event like the science fair wouldn't be possible without the help of numerous volunteers. We have all kinds of different jobs to be done, so if you can help, please sign up online at <http://www.signupgenius.com/go/20F0E44AEA87-20151>

Questions? Contact Tania Bruno (tlbruno@verizon.net); Lang Lin (langlin00@hotmail.com); Adriana Marques (b304050@yahoo.com)

A good science fair project:

- It is something you are interested and like to think about.
- You can do a test to find an answer to a question.
- You can do it with only a little help from parents, teachers and friends
- It doesn't hurt or scare people or animals, including you.
- It's a project that, even when you are done with it, makes you think of new things you want to know.



The first thing is to choose a project idea. Think about what interests you.

Next, ask a question that you can test. A testable question is about changing one thing to see the effect in another thing. For example, what amount of sunlight is best to grow daffodils?

After that, it is time to do background research to find out what is already know about the topic. Keep a record of what you found out and the source so you can credit in the bibliography.

You are now ready to make a prediction (a guess) of what will happen. That is your hypothesis. It does not matter if your guess is right or wrong. That is what the experiment will show you.

Now it is time to design you experiment. These are your material and methods.

Choose the materials you will be using for your project (clay, plastic cups, soil). Make sure they are easily available to you and are safe. You can draw or take pictures of the materials you used. Also, think how are you going to set up the testing. Think what is going to change, what will stay the same and what you will be measuring. Make sure you will have enough time do the experiments before the Science Fair.

After you finish planning, it is time to do the experiment and collect your data. Keep you data organized into lists or tables, it will help with the next step, which is analyzing the data. Did what you changed cause a difference in the results?

Now, you can think of what you learned--- this is your conclusion!

You are ready to create your Science Project Display Board. Use color, pictures, charts, graphs, etc. BE CREATIVE!

There are a lot of resources in the internet- here are a few:

[www.sciencebuddies.org](http://www.sciencebuddies.org)

<http://www.all-science-fair-projects.com/>

<http://school.discoveryeducation.com/sciencefaircentral/index.html>





## Bells Mill ES Science Fair – Project Planning

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

Name (s): \_\_\_\_\_

\_\_\_\_\_ Date: \_\_\_\_\_

1. Question: What I want to know is \_\_\_\_\_

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2. Research the topic: \_\_\_\_\_

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My sources: \_\_\_\_\_

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3. Hypothesis: What I think will happen is: \_\_\_\_\_

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This is the reason: \_\_\_\_\_

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4. Design the experiment:

<b>What I will change (independent variable):</b>	<b>What will stay the same (controlled variables)</b>	<b>What I will measure (dependent variable)</b>

Materials: \_\_\_\_\_

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5. Checklist:

- My project is safe
- I can get the materials
- I have enough time to build, test, and report the project by April 17, 2015
- My project will not harm or bother other people
- My project will not harm animals