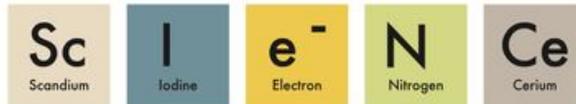


BLOSSOM HILL  
**Science Fair**



*Bee Curious!*



**MAR. 11 & 12**

Register Online

**JANUARY 13 - FEBRUARY 3**

[sciencefair.blossomhill.org](http://sciencefair.blossomhill.org)

# Everything you need to know...



What is the Science Fair?  
What is the Scientific Method?  
How do I choose a project?  
How do I present my project?  
What else do I need to know?

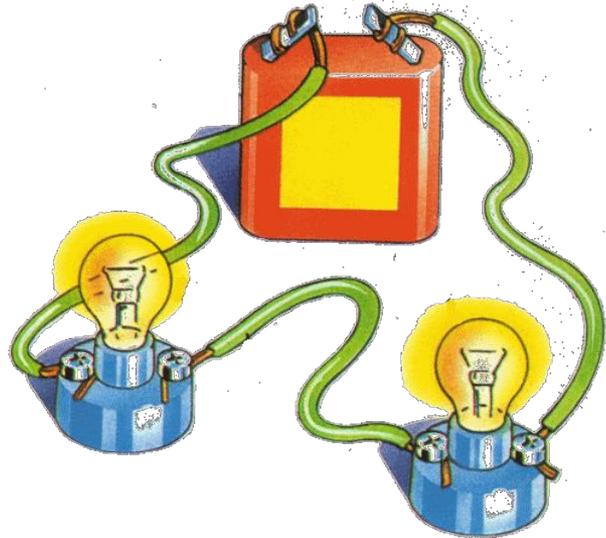
# The Blossom Hill Science Fair is...

A chance to “Bee Curious!”

A chance to use the Scientific Method to ask questions and solve problems.

A way to have fun with science.

The science fair is a showcase, not a contest.

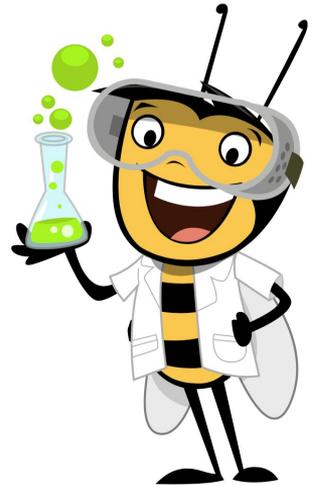


# What is the Scientific Method?

It's a problem solving framework

It's a way to help you identify problems, make observations and look for solutions

It's a way to help you understand the world around you.



# Scientific Method



## Ask a Question



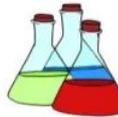
## Gather Information

Observe – look, listen, taste, touch, smell  
Read. Ask an Expert.



## Form a Hypothesis

Guess the answer.



## Test the Hypothesis

Do an experiment to see if you're right.



## Share the Results

Tell other people what you learned.



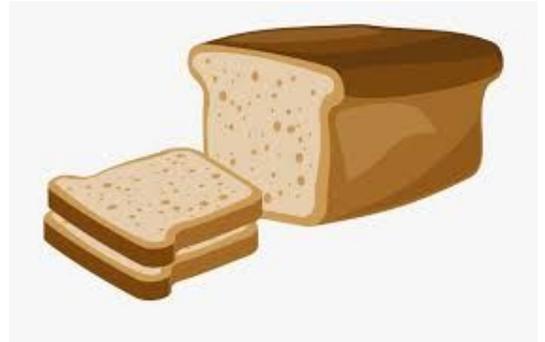
Ask a question about something in your daily life like:  
“What is the best setting for my toast?”

Gather information like:  
“There are several settings on my toaster.”

Form a hypothesis like:  
“Toasting bread on setting 3 makes great toast.”

Test the hypothesis like:  
“If I toast country white bread on setting 3, it will be great!”

Share the results like:  
“Country white bread on setting 3 wasn’t toasted enough but setting 4 was so delicious.”



# How do I choose my project?

There are so many ideas out there! Here are some helpful tips...

- Ask a question about something you see or do every day
- Identify a problem that you think you can solve
- You should be able to explain your project - Keep it simple!
- Conduct the experiment more than once...good results can be replicated
- Change only 1 variable each time you conduct your experiment

Let's look at a few helpful tips...





**SCIENCE  
FAIR  
TRICKS**

## Tips for using the Scientific Method:



Use your **5 senses**: Sight, Smell, Touch, Hear, Taste.

### **Ask Scientific Questions:**

- Start with question words like “What,” “Why,” or “How?”
- Scientific Questions sound like: "Where do owls live?" "What kind of clouds bring rain?" "When are shadows the longest?"
- Non-Scientific Questions sound like: "Can I play outside?" "Which park is by your house?" "What animal is your favorite?"

## Tips for running a good experiment:

- Run your test more than one time - change only 1 variable each time you run the test!
- Record your results in a table, graph, photos, etc.
- Write a clear conclusion, “what did you learn”?



# Tips on recording your experiment

Write like a scientist:

- Make sure you answer and write about the question you asked.
- Write down the steps you followed in your investigation.
- Include your data.
- Add charts, graphs, diagrams, or pictures.
- Words such as "First," "Next," and "Last:" help tell the order of your investigation.
- State facts and observations instead of opinions. A fact or observation can be supported by information gathered in an experiment. An opinion is a personal feeling or belief about something.

## WHAT IF SOMETHING GOES WRONG!?!

- Something will always go wrong. It usually does.
- Relax and figure out how to change something and try again!



# How do I present my project?

You can put a short summary of your research in your google slide presentation or video and upload it to the Science Fair website.

Each member of the household needs to upload their own presentation. Younger students can upload pictures of paper and pencil presentations or use videos.

Each teacher may choose to have students in class present during their normal Zoom time.

Family Science Night will include a fun livestream science show for the whole family.

# Remember...

Partners are allowed in the same family only.

Your brothers and sisters, mom and dad, grandparents, babysitters can be resources to help you with your project.

Remember the goal is to have fun and enjoy science and to learn something new.



Remember, this is not a contest. However, we do have parent volunteers that will review every project and make sure the you are using the scientific method.

## Blossom Hill 2021 Science Fair Project Feedback

Name: \_\_\_\_\_

Teacher/Grade: \_\_\_\_\_



Something we **really liked** about your project!

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Board Section		✓ Good Job	✓ Room To Grow
<b>Problem Question</b>	What question are you trying to answer? <ul style="list-style-type: none"> <li>• Problem is clear and specific</li> <li>• Text easy to read from a distance</li> </ul>		
<b>Hypothesis</b>	What did you think would happen? <ul style="list-style-type: none"> <li>• Hypothesis easy to understand</li> <li>• Hypotheses correct in format</li> </ul>		
<b>Procedure</b>	What steps did your experiment follow? <ul style="list-style-type: none"> <li>• Steps listed in order and easy to follow</li> <li>• Procedure aligned to the problem</li> </ul>		
<b>Materials</b>	What materials did you use? <ul style="list-style-type: none"> <li>• All materials listed</li> <li>• Clear and easy to read</li> </ul>		
<b>Data / Results</b>	What data and results did your experiment generate? <ul style="list-style-type: none"> <li>• The data / results were clear and easy to understand</li> <li>• Includes pictures, tables, or charts as needed</li> </ul>		
<b>Conclusion</b>	What did you learn? <ul style="list-style-type: none"> <li>• Was your hypothesis supported, or not supported, by the data</li> </ul> NOTE: the hypotheses does not have to be "correct"; disproving the hypotheses is also a success!		

# What else do I need to know?

Registration is open January 13 - February 3

Projects are due March 1 - 5, but you can submit earlier

Virtual Science Fair March 11-12

Family Science Night March 12

**Have fun. We can't wait to see you there!**

