

Science Fair

Bell Academy

2018-2019



Name of Student:

Grade: _____ Teacher: _____

Dear Parents,

It's science fair time! During the next few months your child is required to complete a science fair project, which uses the scientific method to solve/answer a question. The educational benefits are numerous and include the development of many skills such as writing, oral presentation, creative thinking, and problem solving. **Students in first through sixth grade must complete an individual science fair project.** Pre-K and kindergarten students will complete a class project with their teacher.

Bell Academy is committed to making it a school effort for science fair but we need your help as well. This project will be completed at home and at school. The actual experiment will be conducted at home, with your assistance. The science fair project will be completed at home. However, the students will be given time at school to research and type their project. However, the majority of the project, including typing, will be done at home. Students will have access to computers to type their projects at school, but they must have a jump drive to save the project in order to continue work at home. ***Remember to take pictures during the process; however, the pictures cannot show your child's face. Also, please ensure you cite who took the pictures. Somewhere on the board, include a statement of who took the pictures. ("Pictures taken by.....") Also, the following items may not be on the table during the actual science fair (food, soil, plants, liquids, glass, candy, chemicals, etc.) It is better to take pictures of these at home to display on the board.*** Should you have any questions, please email me at trussell@cleveland.k12.ms.us or send me a message in Class Dojo.

Parent's signature: _____ Date: _____

By signing this page you are indicating you have.....

*seen this folder and understand what is required

*read the timeline and marked the dates in your calendar

*understand that if your child does not abide by the dates there will be points deducted from your child's grades

Science Fair Timeline

Sept. 24-28	All students receive Science Folders in Science Lab
Sept. 24-Nov.2	Project Search
Nov. 3	Topic has to be submitted by this date to classroom science teacher.
Nov. 3	Classroom teachers checking folders for parent's signature
Nov. 3-13	Title, Topic, Category, Materials, Hypothesis, and Purpose (written in this packet)
Nov. 14-15	Classroom teachers checking folders for title, topic, category, materials, hypothesis, and purpose (written in this packet)
Nov. 16-Dec. 11	Students will work on science project at home
Dec. 12-13	Classroom teachers checking folders for procedure, results, conclusion (written in this packet) (experiment must be completed by this date!)
Jan. 9	All Projects Due-Turn in to classroom science teacher
Jan. 9-18	Teachers Grade Projects in Classroom/Classroom Presentations/Number Projects
Jan. 23	Bell Academy Science Fair
February 8	Abstracts due from school level winners only-turn in to Mrs. Russell

Grades assigned will be as follows:

Science:

G1- Science fair title, topic, category, materials, hypothesis, purpose

G1-Procedure, results, conclusion

G2- Science Fair Project

Language:

G2-Science Fair Board-Final Product Grammar

What exactly is a science fair project???

AN EXPERIMENT!!!

A lot of information is given, but it also shows testing being done and the gathering of data.

Examples of experiments can be: “The Effects of Detergent on the growth of plants,” “Which Paper Towel is more Absorbent,” or “What Structure can Withstand the Most Amount of Weight.”

USE THE SCIENTIFIC METHOD!!!!!!!!!!

1st Step: Select a project

Topic:

Title of your project:

Category: (See Mrs. Russell if you need help. The categories are also listed on the science page of the Bell Academy website.)

2nd Step: Research

Read about your topic. Find out information about the topic. Talk about what you learn with your parents. Talk about the topic with experts in that field (doctors, weathermen, veterinarians, etc.).

List 3 things you learned about your topic:

1. _____

2. _____

3. _____

List 3 sources (books, magazines, people, internet, etc.) that you found information about your topic.

1. _____

2. _____

3. _____

3rd Step: Purpose

Write one or two sentences explaining why you are doing this investigation. Answer these questions: why are you doing this? Where did you get the idea from?

Sentence starters:

The purpose of this project is to determine....

The purpose of this project is to show.....

The purpose of this experiment is to show....

I wanted to do this project because....

Purpose:

4th Step: Hypothesis

This is a statement of what you **think** the results of your experiment will be. This is done **before** the experiment!! It is your opinion. If your hypothesis is not correct, **DO NOT** go back and change it.

Sentence starters:

I believe.....

I think_____ will happen because.....

Hypothesis:

5th Step: Materials

What will you need to perform your experiment? List all materials you used in your experiment. Include what, how much, and what kind of materials you used. (Take pictures for your board)

Materials:

6th Step: Procedure

A procedure is list of steps that you did during your experiment. It should be a step-by-step explanation. Anyone who reads your procedure will be able to duplicate your experiment and get the same results. Drawings and photographs can be used to help explain your procedure.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

If you need extra room continue your procedure on a piece of paper.

7th Step: Results

Describe what happened in your experiment. These are the facts that support what occurred during and at the end of the experiment. Line, bar, and picture graphs can be used to illustrate your results.

Results:

8th Step: Conclusion

State the facts you learned from your investigation. What conclusions can you make from your experiment? This is where you can tell what you would do differently next time to improve the experiment. And most of all, tell what you learned from doing this.

Conclusion:

9th Step: Abstract—School Level Winners Only!

The abstract will be written after the project is complete. The abstract will be written and typed at Bell. An abstract is a 250 words or less explanation of the projects including the purpose, procedure, data, and conclusions.

First paragraph:

*give your purpose

- What are you doing for the project?
- Where did you get the idea?

Second paragraph:

*give your procedure

- Step by step
- Use transition words: first, next, last, etc.

Third paragraph:

*give your conclusion

- Discuss your results/ what you found out
- State what you learned from your investigation

Helpful Hints

On your display:

- 1. Use attractive lettering**
- 2. Keep it neat and uncluttered**
- 3. Spell words correctly**
- 4. Main points should be large and simple**
- 5. Details must be clear when viewed from three feet away**
- 6. Board has to be a tri-fold**

