

Allenwood School

13th Annual Science Fair (Virtual)- 2021

Tuesday, May 18, 2021

Dear 3rd, 4th and 5th grade students, parents and guardians,

The Allenwood PTG is proud to host the 13th Annual Science Fair at Allenwood School. We are very excited about the Fair because it ties in so nicely with the science curriculum the kids enjoy in the classroom. This year we will be hosting a virtual fair utilizing Flipgrid to view the science experiments. We thank you for your interest in the Science Fair and for taking the time to review this packet.

Entry into the Science Fair is OPTIONAL. **All** students who participate will receive a participation ribbon and a SUNDAES gift card.

Parents: Once your child decides to participate have them fill out the submission form (which is the last page of this entire packet), submit it to your child's teacher in an envelope labeled, "Science Fair" along with entry fee of \$15 by Friday, **APRIL 16, 2021**. The \$15 entrance fee goes towards the tri-fold board, gift card and ribbon. The tri-fold board will be delivered to your child's classroom.

*******KEY POINTS/DATES*******

- ❖ **Entry form and \$15 are due by Friday, April 16, 2021.** PLEASE PUT INTO AN ENVELOPE CLEARLY LABELED: SCIENCE FAIR and send it to the Main Office. Please keep in mind, this deadline is firm. Proposed experiment sheets will NOT be accepted after this date as tri fold boards and ribbons will be ordered. We anticipate handing out tri-fold boards on May 4, 2021.
- ❖ A parent/guardian & student signatures are required on the entry form at the back of this packet.
- ❖ Your child's teacher will be approving the experiment .
- ❖ **The deadline to upload your video presentation to Flipgrid is Tuesday, 5/11/2021.**

WE STRONGLY ADVISE YOU TO READ THE RULES SECTION IN ORDER TO AVOID A PROPOSED EXPERIMENT BEING REJECTED. If you have any questions, please contact Lauren Galok (lgalok@awptg.org) Thank you!

Rules for Science Fair Projects

You must follow the rules below when designing your project. All the information below is a list of rules/guidelines you **MUST** follow. **PLEASE TAKE THE TIME TO READ THIS SECTION.**

Your project/experiment:

- ❖ **CANNOT be something you have already done in science class.**
- ❖ **CANNOT be a demonstration or model of something- it must be an actual experiment that is done outside of school.**
- ❖ **CANNOT be a survey.**
- ❖ **CANNOT be anything consumable- nothing involving tasting, smelling, applying substances to the skin, or eating things.**
- ❖ **CANNOT be based on an opinion of something- favorite colors, flavors or how much somebody likes something are NOT experiments that have Scientific data.**
- ❖ **NO Science kits or math kits from a store.**
- ❖ **NO use of expensive or irreplaceable personal property. DO NOT USE anything that may break easily.**
- ❖ **NO dangerous chemicals, matches, fire or flames (no candles or melting things).**
- ❖ **NO ANIMALS.**
- ❖ **Your display must include all steps of the Scientific Method (SEE EXAMPLE OF DISPLAY BOARD ON PAGE 5)**

Students should choose a science investigation that involves observation or experimentation. This investigation is known as the Scientific Method - an explanation of the Scientific Method is attached.

Students must choose a question that can be answered with results from an experiment or investigation of their own design.

The question CANNOT be answered with a simple “yes” or “no. The question CANNOT be one that elicits an opinion as the answer. Examples:

Acceptable	Not Acceptable
How does air pressure affect the height of a basketball bounce?	Do more people like chocolate ice cream than vanilla? (This is based on opinion)
What is the relationship between the price of a battery and how long it powers a light bulb (or other small item)?	How to make a bridge out of popsicle sticks (This is a demonstration)
How does the shape of an ice cube affect how quickly it melts?	Which dog food is more nutritious? (This is a survey)

Our goal is for the kids to practice the Scientific Method and realize that real-world, high-tech scientists use this method all the time to discover new things. This kind of approach teaches questioning strategies and experimental design skills. Please note: there is a difference between a scientific experiment and a scientific demonstration. A scientific experiment poses a question that is not based on opinion, has a stated hypothesis, and has results that are measurable.

We encourage students to complete the experiment with only a little help from their parents.















Kids: Don't be afraid to make mistakes. Some of the world's best and fun discoveries happened when the experiment didn't turn out as planned (can you say "Silly Putty?"). Please remember that we want you to keep it simple, do some experimentation, answer a scientific question that interests you and have some fun. The experiment does not have to be elaborate, but it should be complete. Try to do as much of it as you can without help from your parents. If you can't think of a question, please just use one of the suggestions provided or one that we talked about in your classroom. Remember that even with the same question, two projects are never the same. Have someone take pictures of you doing your experiment- it will look great on your display board! Please remember to get creative and enjoy yourself!

How to Upload Your Video to Flipgrid

1. Go to www.flipgrid.com/71cffd51
2. Click "Join with Google." Sign in using your student credentials.
3. Select "Record a Response"
You can record a video in Flipgrid or upload a video you already made from your device. Videos should be less than 5 minutes.
4. When complete, label your video with your first name and last initial, grade, and title of project.
5. Your video is done! A Science Fair Committee member will approve your video for viewing on Tuesday, May 18th.

*****By posting on the grid, you accept that your video will be viewed by other students and families that have a Wall Township School District email address.**

Reminder: All videos must be uploaded on Flipgrid by Tuesday, May 11th.

		
<p>Question (your choice)</p>	<p>Title Name and Class</p>	<p>Conclusion</p>
		<p>(What did you learn? Was your hypothesis correct?)</p> 
<p>Hypothesis (What do you predict will happen?)</p>	<p>Experiment Procedures</p>	<p>Pictures</p>
	<p>(How did you set up the experiment, what steps did you follow to gather your data?)</p> <p>Materials Used</p> <p>Data Collected (show numbers here & multiple trials)</p>	 <p>More Pictures</p> 
<p>Purpose of the Experiment</p> <p>(Why did you pick this idea?)</p>		<p>Background Information</p>
 <p>Pictures</p>	<p>Results</p> <p>(What happened?)</p>	<p>(Anything else you want people to know about your experiment?)</p>
		

Tri-Fold Exhibit Display: Example of Board Layout (use this as a general guide)

2021 Allenwood School Virtual Science Fair Entry Form

Return this form along with \$15.00 entry fee to the Main Office by Friday, April 16, 2021.

Science Fair Project:

Your Scientific Question:

Brief description of your project:

I have read all the rules and understand my responsibility in entering the Virtual Science Fair. I give permission for my child to upload a video to the Science Fair Flipgrid and understand that the video will be viewed by other students and families that have a Wall Township School District email address.

Student's Signature

Parent/ Guardian Signature and Email

Entry Fee: (\$15.00) enclosed: Cash _____ or Check _____ (Check # _____)
Payable to Allenwood PTG

Teacher Approved: Y/ N Teacher Initials: _____