Allenwood School
12th Annual Science Fair – 2019

Wednesday, May 22, 2019 from 6:30-7:30pm

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

Allenwood PTG is proud to host the Twelfth Annual Science Fair at Allenwood School. We are very excited about the fair because it ties in so nicely with the "hands on" science curriculum the kids enjoy in the classroom. 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 that participate will receive a participation ribbon and will get 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, May 10th. The $15 entrance fee goes towards the tri-fold board and participation ribbons. The tri-fold board will be delivered to your child's classroom.

Key points/dates:

- **Entry form and $15 are due by Friday, May 10th .** 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.
- 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 .
- **Projects boards are due into school on Monday, May 20th.**
- STUDENTS MAY NOT BRING THEIR EXPERIMENTS TO SCHOOL . ONLY THE BOARDS ARE TO BE BROUGHT TO SCHOOL.
- 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 Susan De Simone (dsagdesimone@gmail.com) 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 NEXT PAGE)

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 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!

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

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

2019 Allenwood School Science Fair Entry Form

Return this form along with $15 entry fee to your teacher by Friday, May 10th.

Science Fair Project:

Your Scientific Question:

Brief description of your project:

I have read all the rules and understand my responsibility in entering the Science Fair.

_____
Student's Signature

_____
Parent/Guardian Signature and email

Teacher approved Y/N_____ (initial)

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