Science Fair is Here!

During the next couple of months, your child will be completing a science project which uses the Scientific Method to solve a problem. Our science fair will be held on Thursday, December 8th, 2016. Science projects are primarily independent study assignments involving experimentation on a topic of individual interest. The educational benefits to the student who completes a project include, developing skills in writing, oral presentation, creative thinking and problem solving.

Students will be required to display their experiments on science boards as well as completing a project logbook, outlining their practices of the experiment. You will need to purchase a science board to display your student’s project. The boards can be found at local craft stores, Walmart, and sometimes at the dollar stores. The logbook is a required component for science fair. Each student will receive instructions for their logbook to place in their science folder. As they go through the process of their experiment they will outline the steps they took to complete their experiment in their logbook.

Science Fair Projects are to be completed at home.

1. Students will complete their own/individual project. There are no team projects.
2. Students and parents should monitor their progress staying on track to meet deadlines.
3. Topic of Science fair due: Tuesday, October 4th
   a. Students must provide 2-3 topic choices for consideration
4. Completion of Project and Logbook due: Wednesday, December 7th

Science Fair Restrictions

1. No animal or human testing. This includes taste testing, sleep deprivation and other tests that require a human or animal test subject to be involved in the experiment.
2. Molds and bacteria are prohibited from science fair, due to the high possibility of spreading disease, germs and other unsavory cells.
3. No Tobacco, weapons, or firearms.

Please sign the Parent/Student Agreement below and return it to school by Tuesday, October 4th, 2016. If you have any questions, do not hesitate to contact me Mrs. Burnett (evaburnett@mooreschools.com)

Additional information can be found on my website, under the science fair link.
Heritage Trails web address is: www.mooreschools.com/heritagetrails
Click on Our School Staff, then, Burnett, Eva.
Attached is a Science Fair Timeline with important Due dates and a Problem/Question page.

Sincerely,
Mrs. Burnett

I have received the science packet containing all the necessary paperwork for completing the science fair.

_____________________________  ____________________________
Parent Signature                  Parent Name (Please Print)

_____________________________  ____________________________
Student Name                    Homeroom Teacher
Science Fair Timeline

September 27
- Science Fair Letter and Topic/Problem worksheet sent home for signature and parent approval

October 4
- Parent/Student Science Fair Agreement Due- signed
- Problem/Question/Topic Due for consideration

October 11
- Teacher approved topic sent home
- Topic Research assigned

October 20
- Science Fair topic research due
- Hypothesis due

November 3
- Materials list is due. List anything needed to complete the experiment.
- Variables due. Identify the variables- independent, dependent, constants and/or controlled.
- Turn in procedures. List steps to follow in order to do the experiment.

November 29
- Turn in results/data. Show the results in the form of tables/graphs/pictures.
- Turn in conclusion. Should the hypothesis be accepted or rejected? Answer the problem/question. Interpret the data by explaining what happened during the experiment and why. Are the results valid? What would you or could you do differently?

December 7
- Science Fair project, board, and log book are due.

December 8
- Science Fair will be held at Heritage Trails 6:00-7:00
Problem/Question

The scientific problem should be written as a question. You may use the examples below to help you in finding your project idea.

Model 1 – “How does ____ affect _________?”
(Example: “How does water temperature affect plant growth?”)

Model 2 – “What is the effect of _____ on _______?”
(Example: “What is the effect of liquid fertilizer on house plants?”)

Model 3 – “Which _______ (consumer product) is _______ (strongest, last longest, etc.)?”
(Example: “Which brand of white glue is the strongest?”)

Model 4 – “What is the relationship between ___ and _______?”
(Example: “What is the relationship between the amount of fertilizer and the number of flowers on a rose bush?”)

Please write your problem/question below:

________________________________________________________________________________________________________________________________________________________________________________________________________________________

I understand that the project will need to be completed at home. I am aware that my science fair project and all of its pieces will be worth a total of 400 points of my science grade. I accept and approve of the science fair topic my student has chosen.

______________________________  __________________
Student Signature                     Date

______________________________  __________________
Parent Signature                    Date