

## **Science Fair 2019-20: Important Dates**

Each of the following assignments will be discussed at length in your science class. Pay close attention to any details and take notes if needed. We will be working in class over the next few weeks to prepare your investigation and get organized for the science fair.

### **Monday, August 26: TOPIC PROPOSAL WORKSHEET DUE**

You will outline three project ideas and present them to Mr. Hanna. After reviewing your proposal, Mr. Hanna will discuss your ideas with you before you select a final project idea.

*Note: Projects with living objects (animals, plants, humans, etc...) are STRONGLY DISCOURAGED. Earth/Space, Physical science, and engineering ideas are strongly recommended. Brand comparison projects, such as which type of battery lasts longest, which brand of diaper absorbs the most water, etc. are acceptable, but will need to be done VERY well to receive a high grade/score.*

### **Friday, September 6: RESEARCH QUESTION DUE**

Take the feedback from your topic proposal to select your topic. Then, develop that topic into an acceptable research question. It should be in the form of a testable question that communicates the intent of your research. Effective research questions often reference both the independent and the dependent variables (ex: "How does X affect Y?").

### **Friday, September 20: RESEARCH PLAN DUE**

You will submit a typed research plan outlining your methods and organizing your research. You will be required to use a template provided by Mr. Hanna, found in the science fair tab on Mr. Hanna's website.

### **September 20 – November 8: CONDUCT YOUR INVESTIGATION**

Be sure to collect your data in an organized fashion and keep all data in a Project Data Book!

*Project Data Book: Use a composition book, spiral notebook, or even a folder with lined paper in it as your data book. The data book is a place for you to jot down ideas, record data, make tables and diagrams, keep a record of how things are going, list challenges you have, list new questions that come up, etc. You can have your data book with you at the fair to reference during judging.*

### **Friday, October 11: PROJECT UPDATE**

You will submit a typed paragraph updating Mr. Hanna on your progress, including what you have/haven't completed, any issues you are currently having, and your plan to finish the project on time.

### **Friday, November 8: PROJECT DRAFT DUE**

You will submit a typed copy of the components of your project, including the project title, final research question, hypothesis, materials & procedures, results (including data), discussion, and conclusion.

### **Monday, November 18: FINAL PROJECT DUE (RESEARCH PAPER or PROJECT BOARD)**

Rubrics will be available on Mr. Hanna's website. Research Papers will be typed and submitted to Mr. Hanna during your science class on this date. Project boards can be dropped off before school (**back door of 520**).

### **Wednesday, December 4: SCMS SCIENCE FAIR SET UP**

Projects that are approved to move on to the school fair will be set up in the media center. Students will take their materials for set up during their science class period on this day. Mr. Rodriguez will supervise set-up.

### **Thursday, December 5: SCMS SCIENCE FAIR JUDGING**

Students participating in the school fair will report to the media center at the assigned time (you will be given a ticket during set-up 11/29 that will serve as your pass out of class). You will spend approximately one hour in the media center for project presentation and judging.