

## STEM Fair Timeline

Student: \_\_\_\_\_

Project Due Date: \_\_\_\_\_

| Due Date | Item Due   |
|----------|--|
| 9/13/19  | <p><b>Research Plan</b><br/>           What do you want to find out or what type of problem are you trying to solve? “Research Plan” needs to be completed and approved by both teacher and parent/guardian. (page 4)</p>  |
| 9/13/19  | <p>Set up a <b>project log</b> to record your questions, diagrams or drawings, information from research, procedures, materials, observations and data. The project log can be completed using the documents provided by their teacher or can be completed in a notebook with all necessary components.</p>  |
| 9/13/19  | <p>On your planning page, write the <b>problem</b> or <b>question</b> your experiment will test. (page 5)</p>  |
| 9/20/19  | <p><b>Background Research</b><br/>           Gather <b>research</b> about your science project topic using a variety of sources such as: computer search, books, encyclopedias, magazines, as well as information from professionals like doctors, nurses, engineers, researchers, teachers, veterinarians, librarians, and other sources as needed. List the resources in your <b>bibliography</b>.</p> |
| 9/27/19  | <p><b>Identifying Variables</b><br/>           What things could you change or vary? What things could you measure or observe? Place these on sticky notes, and move them as needed. Choose one independent and one dependent variable. Create your testable question. Explain what background knowledge you already have regarding the topic. List three possible predictions. (pages 6-8)</p>          |
| 10/4/19  | <p><b>Construct a Hypothesis</b><br/>           Identify what you think will happen based on your research. (page 8)</p>   |
| 10/11/19 | <p><b>Procedure</b><br/>           List the <b>materials</b> required to carry out your investigation. List all variables that are used. Write a numbered step-by-step <b>procedure</b> to show how your experiment/design process was carried out. Include specific steps that you used to collect data on how your hypothesis is tested. Explain how you will collect and record data. (page 9-10)</p> |
| 10/25/19 | <p><b>Investigation</b><br/>           Conduct your experiment or begin your design process, being sure to follow safety rules. Keep careful, written records every day as you are working. Use a <b>data table</b> to collect your observations (results). <b>Graph</b> your results by <b>choosing one graph</b> on either page 12 or 13. (pages 11-13)</p>  |
| 11/1/19  | <p>Write a <b>project summary/conclusion</b>. Use questions provided to assist in extending your thinking and guide your writing.</p>  |
| 11/8/19  | <p>Write your <b>abstract</b> that includes your problem, hypothesis, step-by-step explanation of your procedure, and results of your investigation.</p>   |

|                                 |   |
|---------------------------------|---|
| Backboard & packet due 11/15/19 | Construct a display using charts, graphs, photos, illustrations, signs, models, and/ or demonstrations of your investigation. This step needs to be done on poster board if you want your project considered for the school science fair. |
|---------------------------------|---|

**Classroom Presentations – Begin on November 15<sup>th</sup>**

**Grade Level Competitions completed by Wednesday, December 10<sup>th</sup>**

**\*Please submit names of students who will compete in the school STEM Fair by this date.\***

**School STEM Fair December 16<sup>th</sup>**