

# Science Fair Project Planner

Name: \_\_\_\_\_ Section: \_\_\_\_\_

| Parent Initials | Due Dates  | Task  | Teacher Initials | Teacher Comments |
|-----------------|--|---|------------------|------------------|
|                 | October 15 <sup>th</sup>                             | Choose a topic and write your project questions.  |                  |                  |
|                 | October 17 <sup>th</sup>                             | Write your Hypothesis. If...then... (pg. 2)   |                  |                  |
|                 | October 19 <sup>th</sup>                             | Materials- List and gather your materials (pg. 3)   |                  |                  |
|                 | October 19 <sup>th</sup>                             | Procedures- Design your experiment by listing the steps (pg. 4)                           |                  |                  |
|                 | October 19 <sup>th</sup> – November 13 <sup>th</sup> | Conduct your Experiment- make observations. You must do this a minimum of 3 times (pg. 5) |                  |                  |
|                 | November 14 <sup>th</sup>                            | Photos- Bring printed photos to class   |                  |                  |
|                 | November 16 <sup>th</sup>                            | Collect data- create a table and a chart or a graph of the data (pg. 6 – 7)               |                  |                  |
|                 | November 16 <sup>th</sup>                            | Results- Write out your results into a paragraph (pg.8)                                   |                  |                  |
|                 | November 16 <sup>th</sup>                            | Conclusion- Draw conclusions about your experiment (pg.9)                                 |                  |                  |
|                 | November 27 <sup>th</sup>                            | Make the project display (follow the guide on pg. 10)                                     |                  |                  |
|                 | Nov. 28, 29, 30                                      | Presentation of projects  |                  |                  |

**\*\* Please mark your calendars. Science Fair – December 5<sup>th</sup> \*\*\*\***

# Project Hypothesis

Based on your research, decide what you think will happen. Think like a Scientist would and make sure to make an educated guess using what you learned from your research. Complete both part 1 and part 2 of your hypothesis.

**Part 1:** What do you think will happen in your experiment? Write your ideas of possible outcomes in the box. Circle the one that you think is the best educated guess.



**Part 2:** Using the idea you circled in part 1, create your Hypothesis. Remember to follow the correct form and write a complete sentence. (If...then...)

---

---

---

---

---

---

---

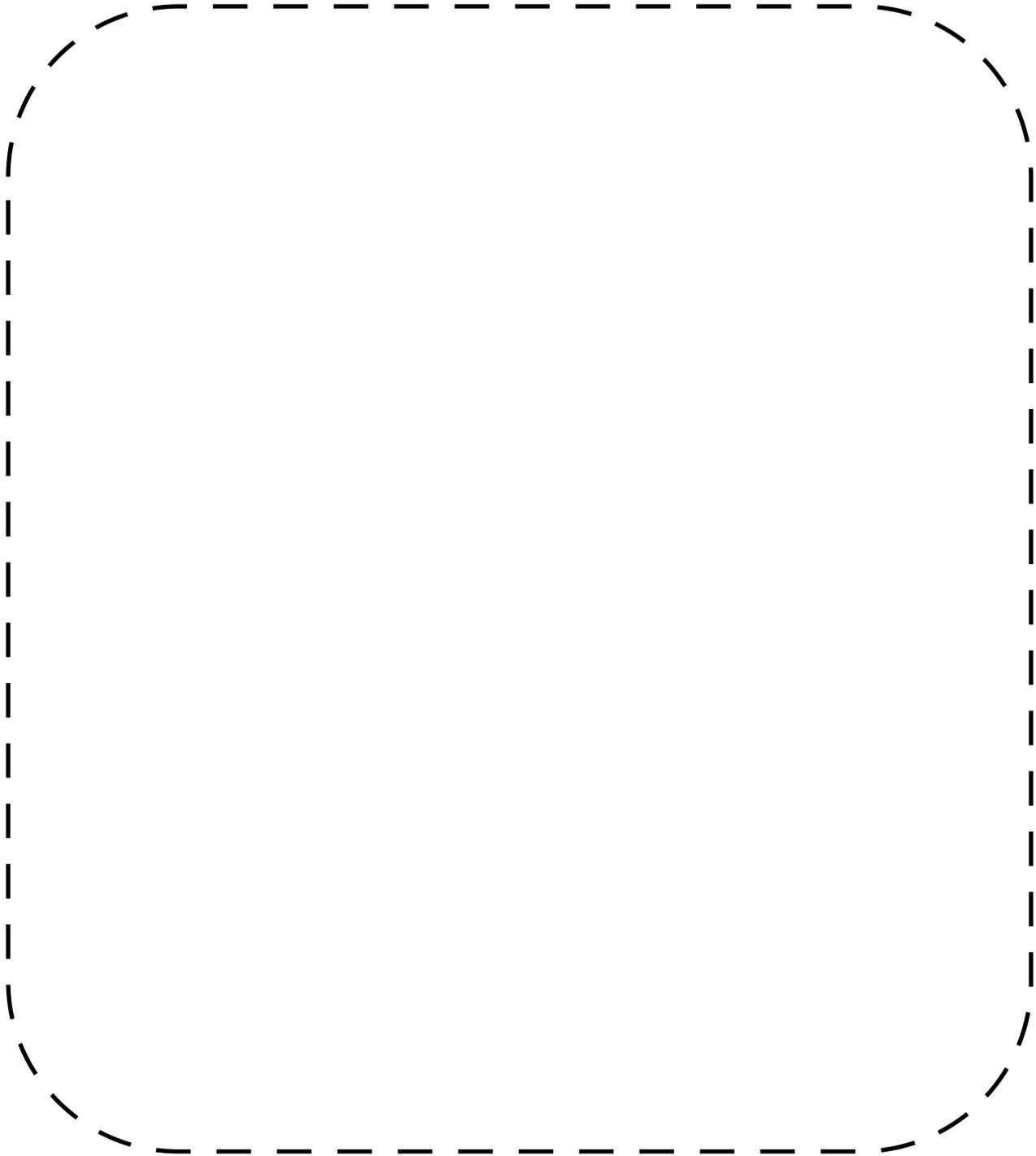
---

---

---

# Project Materials

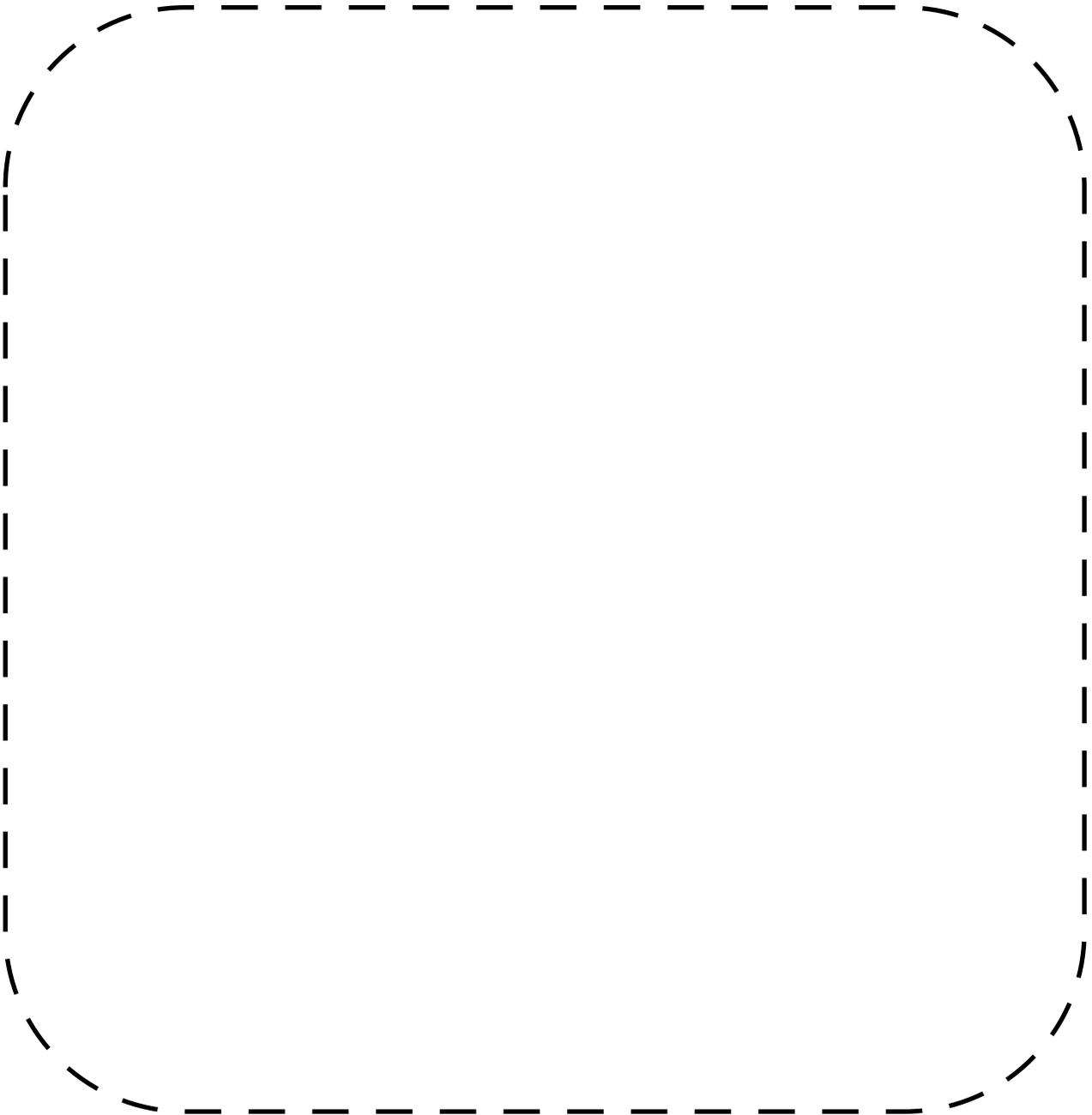
Make a list of all of the materials you will need to complete the experiment.  
Be specific about the brands, sizes, and quantities.

A large, vertically oriented oval shape defined by a dashed black line. This shape is intended to serve as a workspace for the student to write their list of materials.



# Project Data

Scientists conduct an experiment several times in order to get the most accurate data, so make sure you do the same. Conduct your experiment a minimum of 3 times. During your experiment, you need to collect data and make observations. You will record this information using the space below by creating a data table or observation log.

A large, empty oval shape defined by a dashed black line. This shape is intended to provide space for students to create a data table or an observation log as part of their project.

# Project Data

Using the space below, create a graph in which to display your data. This can be either a bar graph or chart. If your project does not contain numerical data, then create an organized observation log.





# Project Display

Now that you have completed your experiment you will begin setting up your display board to communicate the results of your experiment to others. Remember, the board is graded based on the content of information that is required to be displayed on the board. Your display board must have ALL of the following components located in the places indicated on the sample board below.

## Guidelines:

- Board must measure 36"H X 48"W
- Photo **MUST NOT** include any faces
- Information on the board must all be hand written neatly by the student.

|                                 |                                   |                   |
|---------------------------------|-----------------------------------|-------------------|
| <b>Problem Statement</b>        | <b>Title</b>                      | <b>Results</b>    |
| <b>Hypothesis</b>               | <b>Photos</b>                     | <b>Conclusion</b> |
| <b>Materials<br/>Procedures</b> | <b>Tables, Graphs, and Charts</b> |                   |

# Project Components Score Sheet

Name: \_\_\_\_\_ Section: \_\_\_\_\_

You will receive a grade for turning in all of the required components of your science fair project contained in this packet completed and on time using the rubric below.

| Component                       | Points Possible | Points Received |
|---------------------------------|-----------------|-----------------|
| Question- Problem Statement     | 4               |                 |
| Hypothesis                      | 4               |                 |
| Materials                       | 4               |                 |
| Procedures                      | 4               |                 |
| Data - Tables, Charts, & Graphs | 4               |                 |
| Photos                          | 4               |                 |
| Results                         | 4               |                 |
| Conclusion                      | 4               |                 |
|                                 |                 |                 |
| <b>Total Points</b>             | <b>36</b>       |                 |

- 4- Turned in complete and on time
- 3- Turned in late but complete
- 2- Turned in on time but incomplete
- 1- Turned in late and incomplete
- 0- Not turned in at all

# Project Board Score Sheet

Name: \_\_\_\_\_ Section: \_\_\_\_\_

You will receive a grade for including all of the required components of your science fair project on the display board in the place shown on the sample board. You will also be graded based on the neatness of your handwriting, spelling and the general appearance of your board.

| Component                       | Points Possible | Points Received |
|---------------------------------|-----------------|-----------------|
| Title                           | 4               |                 |
| Question- Problem Statement     | 4               |                 |
| Hypothesis                      | 4               |                 |
| Materials                       | 4               |                 |
| Procedures                      | 4               |                 |
| Data - Tables, Charts, & Graphs | 4               |                 |
| Photos                          | 4               |                 |
| Results                         | 4               |                 |
| Conclusion                      | 4               |                 |
|                                 |                 |                 |
| <b>Total Points</b>             | <b>36</b>       |                 |

- 4- Exemplary quality with little to no spelling mistakes
- 3- Sufficient documentation with minimal spelling mistakes
- 2- Average quality with some spelling mistakes
- 1- Poor quality with many spelling mistakes
- 0- Not included or labeled on display board

# Project Presentation Score Sheet

Name: \_\_\_\_\_ Section: \_\_\_\_\_

You will receive a grade based on your presentation of your project. The grade will be determined based on your ability to present your project, answer questions about your project, and

| Component   | Points Possible | Points Received |
|---|-----------------|-----------------|
| Voice   | 4               |                 |
| Content Knowledge -<br>Ability to describe all parts of the scientific method | 4               |                 |
| Speaks Knowledgeably-<br>Ability to answer questions about the experiment     | 4               |                 |
| Enthusiasm-<br>Students eagerness to tell all about their project             | 4               |                 |
| Preparedness-<br>Student practiced presentation at home                       | 4               |                 |
| Total Points  | 20              |                 |

- 4- Exemplary with minimal prompting
- 3- Sufficient demonstration with minimal prompting
- 2- Average demonstration of knowledge with some prompting
- 1- Poor quality demonstration of knowledge with significant prompting
- 0- Unable to demonstrate knowledge even with prompting