

Asalamu Alaikum,

Second Grade Scientists are starting to conduct their own investigations using the Scientific Method. They are going to select from a list of topics which will be introduced in class (please see page 3 for potential topics). Students that choose topics other than those introduced in class must have prior consent from both their teacher and parents. Students will utilize the Scientific Method in order to discover their findings. Then students are going to present their projects on a free-standing, 3-sided display board. These boards can be found at most teacher and office supply stores. (Dimensions are 36”x 48” when folded)

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| **Purpose/****Question****Hypothesis** | **Data**

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**Procedure****Materials** **Data****(Picture)****Project Title** | **Conclusion****Data** (Graph) |

**The Scientific Method ![C:\Users\Batoul\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\0K155Q9J\MC900351955[1].wmf]()**

|  |  |
| --- | --- |
| Purpose/Question | The scientific method starts when you ask a question about something that you observe: How, What, When, Who, Which, Why, or Where?(This could also serve as the title of the project) |
| Hypothesis | A hypothesis is an educated guess about how things work:"If \_\_\_\_\_ *[I do this]* \_\_\_\_\_, then \_\_\_\_\_ *[this]* \_\_\_\_\_ will happen."(Hint: You must state your hypothesis in a way that you can easily measure, and of course, your hypothesis should be constructed in a way to help you answer your original question.) |
| Materials | The materials section is simply a list of materials needed to conduct the experiment.  |
| Procedure | The procedure is a step-by-step list of actions taken during your science experiment. A good procedure is so detailed and complete that it lets someone else duplicate your experiment exactly! |
| Results/Data | Once your experiment is complete, you collect your measurements and analyze them to see if your hypothesis is true or false. |
| Conclusion | State whether your results support or contradict your hypothesis. Summarize your science project results in a few sentences and use this summary to support your conclusion.  |

**Choosing a Topic![C:\Users\Batoul\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\WC01157C\MC900237945[1].wmf]()**

Students need to select a topic from the following list. Please help your child pick one of the following topics listed below and fill out and return the STEM Entry Form by Friday, January 17.

## Can our eyes fool our taste buds?

## Who eats more (children or adults)?

## Which paper airplane flies the furthest?

## Which paper towel is the strongest?

**STEM Entry Form![C:\Users\Batoul\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\0K155Q9J\MC900441715[1].png]()**

**Student’s Name:**

**Project Topic:**

**Project Title: (The question you are trying to answer)**

**Parent’s Signature:**