SCIENCE FAIR GUIDE

**Science Fair is November 22nd!**

NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SCIENCE PROJECT COMPLETION SCHEDULE

 Keep this schedule in a place where it is easily seen.

|  |  |  |
| --- | --- | --- |
| **ASSIGNMENT** | **Date****Due** | **Date****Completed** |
| Question | Sept.13 |  |
| Background Research | Sept. 25 |  |
| Hypothesis | Sept. 25 |  |
| Project Proposal | Oct. 4 |  |
| Journal | Nov. 6 |  |
| Report | Nov. 13 |  |
| Project Display | Nov. 20 |  |

SCIENCE PROJECT CHECKLIST

* Ask a QUESTION that you can investigate yourself. A great place for ideas is sciencebuddies.org
* Begin a JOURNAL to write down everything you do, observe, and think during your investigation.
* Do RESEARCH on the TOPIC of your question.
* Form a HYPOTHESIS about what you think the answer to your question will be. *Make sure that your hypothesis is testable!*
* Fill out your SCIENCE PROJECT PROPOSAL and sign it. Then, have your teacher and your parents sign it too!
* Plan a PROCEDURE to TEST your hypothesis. Decide what MATERIALS you will need and write STEP-BY-STEP DIRECTIONS for what you will do and how you will do it. Make sure you follow the rules for SCIENCE SAFETY.
* Construct a CHART to help you COLLECT and ORGANIZE your DATA.
* Follow the step-by-step directions of your procedure and RECORD your data onto your chart.
* Summarize the RESULTS of your testing in a WRITTEN SUMMARY.
* Make a GRAPH of the results, so others can see at a glance what you’ve learned.
* Write a CONCLUSION statement which either restates your hypothesis (if it is supported) or revises it (if it is not supported).
* Write a SCIENCE PROJECT REPORT that summarizes your investigation. Be prepared to give an ORAL PRESENTATION.
* Construct your SCIENCE PROJECT DISPLAY.

Your display board should include the following:

* Title - Materials List
* Question - Data and Observations (include any
* Background research (be sure to site your sources) photos here)
* Hypothesis - Calculations and Results (graphs)
* Procedure - Conclusions
* Bibliography

\*\*\* Winners of the Hope Middle School Science Fair will also have to write an abstract to put on their display board for the regional competition.

Science Project Proposal

Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Question (What I want to find out.)

Background Research

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HYPOTHESIS (*Remember: the hypothesis is stated as a fact, and it must be testable!*)

Procedure (How I will test my hypothesis.)

 - Materials Needed:

 - Step-By-Step Directions: (Number each step.)

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**Permission to work with a partner**

**As the parent of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, I give my permission for my child to work with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as their partner for the science Fair. I am aware that I will need to create opportunities for these two students to get together outside of school to work on their project. I will make sure that they share the work load for their project.**

**Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

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