

PARTS OF A ROUGH DRAFT

Each student is required to submit a research paper for their research project. After their project is approved, Students will prepare a PowerPoint presentation in computer classes and they will decorate their poster boards.

The following parts should be in the research paper and each part should be on a separate sheet of paper.

1. **TITLE PAGE** Topic, your name, school's name, grade, sponsor, city, state, and zip code)
2. **TABLE OF CONTENTS**
3. **ACKNOWLEDGEMENTS**
4. **INTRODUCTION** (Explain your topic. What is it about?)
5. **PURPOSE** (The purpose of a statement of what you intend to do. What is your goal? What idea are you trying to test?)
6. **PROBLEM** (What is the scientific question you are trying to answer?)
7. **HYPOTHESIS** (Explain how you think your project demonstrate your purpose. Make a prediction regarding the outcome of your experiment. State the results you are predicting in measurable terms.)
8. **VARIABLES** (Independent, dependent, constants, and control group. Be clear about the variables (elements of the experiment that change to test your hypothesis) versus your controls (elements of the experiment that do not change).
9. **MATERIALS** (List all materials and equipment that were used. Your list of materials should include all of the ingredients of the procedure recipe.)
10. **PROCEDURE** (In steps not in paragraphs), if possible, with pictures. Give a detailed explanation of how you will conduct the experiment to test your hypothesis. Be very specific about how you will measure results to prove or disprove your hypothesis. You should include a regular timetable for measuring

results or observing the projects (for example, every hour, every day, and every week). Your procedure should be like a recipe – Another person should be able to perform your experiment following your procedure. Test this with a friend or parent to be sure you have not forgotten anything.)