

## **The PowerPoint**

Your PowerPoint document will serve *both* as your presentation and your final report. It's essentially an outline of your proposal plus your data, sample calculations and a conclusion.

1. Title Slide – A title slide with descriptive, scientific title, your name, date, and block.
2. Purpose – An introductory slide with research question and hypothesis. You can include background information such as why you chose this project.
3. Background – a brief synopsis of the physics behind your experiment. Discuss the theory involved.
4. Materials, Equipment and/or Setup – A picture of your setup and/or a brief list of materials. State here if you received any help from anyone.
5. Procedure or Methodology – How did you conduct your experiment? Be brief.
6. Calculations – If there were calculations, show a sample of each type.
7. Results – Show your *significant* data and/or results here. This should be in the form of tables and/or graphs.
8. Sources of Error – What were the sources of error in your experiment? How did they affect your results? Error analysis is not a vague statement that you may have messed up – be specific about what problems you encountered and specifically how they would affect the outcome
9. Conclusions – What were your key findings? Did you confirm your hypothesis or did you fulfill your objective? Be brief.

*Your oral presentation must be no more than 5 minutes so be careful not to use too many slides and rehearse your presentation a million times.*

## **POWERPOINT**

- remember YOU are the focus of the presentation, not your slides!
- not many words: NEVER read from a slide
- focus on the results – graphs, pictures, diagrams, maybe key equations used, table of important results...

## **ORAL**

- ABOVE ALL, BE PREPARED: practice your presentation out loud
- look up, speak to audience, use appropriate language
- do NOT begin “I did my project on...”