



Honors Science Project Expectations

EACH honors level science student is required to complete the following tasks individually:

1. Research current and credible published studies related to a scientific topic (may vary by discipline)
2. Write literature review paper based on research
3. Design a content-specific experiment to address a scientific question
4. Safely collect data
5. Analyze data and complete relevant calculations and statistical analyses
6. Draw conclusions about posed question based on data collected
7. Complete a formal lab report with the sections listed below
 - Title Page
 - Abstract
 - Introduction
 - Literature Review with Bibliography
 - Statement of Purpose/Hypothesis
 - Materials and Methods
 - Data and Results
 - Discussion and Analysis of Data (including error analysis)
 - Conclusion
8. Present findings to peers (visual and oral component)

If any student is interested in competing in the Plymouth Science Fair, he/she must ALSO:

1. Complete all relevant paperwork on time to be submitted for approval
2. Postpone all data collection until project is officially approved by Institutional Review Board/Scientific Review Committee (if project warrants approval)
3. Find a “designated supervisor” or “qualified scientist” to assist in data collection (if project warrants approval by Institutional Review Board/Scientific Review Committee)
4. Present findings to Plymouth community and science fair judges