

Score Sheet

- Your presentation should contain all the content on the score sheet and your presentation slides should be in the same order as the score sheet.
 - Observation, Background Information, Research Question, Hypotheses, Variables, Procedures, & References will be scored by **CRA** (total of 37 points).
 - To pass you will need to receive at least **30 out of 37** points **AND** have been approved.
 - Title, Results, Data Analysis, Conclusion, & Presentation Skills will be scored at **Symposium** (total of 22 points).
 - To pass you will need to receive at least **18 out of 22** points.

| CONTENT | | 0 or 1 | COMMENTS |
|--|---|--------|----------|
| Contracts <i>2 pts</i> | Completed Ethics Contract | | |
| | Completed Lab Safety Contract | | |
| Title <i>3 pts</i> | Title was a complete statement/question | | |
| | Title matched the research question | | |
| | Title clearly defined the purpose of the project | | |
| Observation <i>3 pts</i> <i>1st Deadline</i> | Observation stated the project's problem clearly | | |
| | Observation included why this project was important to the community | | |
| | Observation included why this project was important to me | | |
| Justification/ Background Research <i>5 pts</i> <i>2nd Deadline</i> | Background information was related to the research question | | |
| | Background information was referenced using correct in-text APA citations for all four sources | | |
| | Background information had at least two facts from each source totaling at least 8 facts | | |
| | Background information was highlighted in bulleted format, not in paragraph form | | |
| | Background information was not plagiarized | | |
| Research Question <i>4 pts</i> <i>1st Deadline</i> | Research question was a focused and specific question | | |
| | Research question was researchable | | |
| | Research question was measurable | | |
| | Research question slide included a sentence explaining how addressing this research question will improve the community | | |
| Hypotheses <i>4 pts</i> <i>1st Deadline</i> | Hypothesis was based on research question | | |
| | Hypothesis stated how the independent variable will affect the dependent variable | | |
| | Hypothesis included background information that helps explain the hypothesis | | |
| | Null Hypothesis was stated correctly | | |
| Variables <i>4 pts</i> <i>1st Deadline</i> | Correct independent variable(s) | | |
| | Correct dependent variable(s) | | |
| | Correct control variable(s) (If no control, state no control)) | | |

| | | | |
|---|---|--|--|
| | Correct constant variable(s) | | |
| Procedures <i>11 pts</i> 3 rd Deadline | Project Procedures are listed below: Prevalence, Human Intervention, Human Experiment and Non-Human Experiment | | |
| Results <i>5 pts</i> | Results displayed data that matched research question | | |
| | Results included descriptive statistics (averages, percentages, etc) | | |
| | Results displayed pictorial evidence of research study (photos) | | |
| | Results included charts/graphs that were properly labeled (title, key, x-axis, y-axis) | | |
| | Results including graphs and charts were explained well | | |
| Data Analysis <i>3 pts</i> | Data analysis included a statistical test used to test the hypotheses | | |
| | Data analysis included an explanation of why that statistical test was used | | |
| | Data analysis included an explanation of the statistical significance of statistical test | | |
| Conclusion <i>5 pts</i> | Conclusion included an accurate summary of the project | | |
| | Conclusion interpreted the data to conclude if the data supported/rejected hypotheses | | |
| | Conclusion answered the research question | | |
| | Conclusion discussed limitations | | |
| | Conclusion discussed how student(s) would implement change and/or bring awareness to their community | | |
| References <i>4 pts</i> 2 nd Deadline | Reference slide included 4 or more academic sources | | |
| | Reference slide had ONLY in-text citations that were included as full references | | |
| | References were in the correct APA format | | |
| | References were listed in alphabet order with hanging indents | | |
| Presentation Skills <i>6 pts</i> | Student(s) spoke clearly during the presentation | | |
| | Student(s) could answer questions with confidence | | |
| | Student(s) didn't read slides word for word (used presentation and/or note cards for support) | | |
| | Presentation had limited spelling/grammar errors | | |
| | Presentation's background (color/animation) was not distracting | | |
| | Presentation's text size/font were consistent | | |

Project Types

| <i>Prevalence</i> | <i>Intervention</i> | <i>Human Experiment</i> | <i>Experiment</i> |
|---|--|--|---|
| Procedures provided a clear description of the project | Procedures provided a clear description of the project | Procedures provided a clear description of the project | Procedures provided a clear description of the project |
| Procedures were numbered | Procedures were numbered | Procedures were numbered | Procedures were numbered |
| Procedures identified all safety precautions (including how participants' identity will be kept confidential) | Procedures identified all safety precautions (including how participants' identity would be kept confidential) | Procedures identified all safety precautions (including how participants' identity would be kept confidential) | Procedures identified all safety precautions |
| Procedures explained who the study population was | Procedures explained who the study population was | Procedures explained who the study population was | Procedures explained what plant, natural resource, invertebrate (other) the project was experimenting with |
| Procedures explained what the study population did | Procedures explained details of the of the intervention | Procedures explained what the study population did | Procedures explained details of the experimental environment and/or change in environment (if you have more than one experimental group explain differences among all groups) |
| Procedures explained how at least 100 participants were recruited | Procedures explained how at least 25 participants were recruited | Procedures explained how at least 25 participants were recruited for EACH group (experimental and control) | Procedures included a control group |
| Procedures included a copy of the measurement tools (Example: Survey/observation sheet) | Procedures included a copy of the pre and post measurement tools (Example: Survey/observation sheet) | Procedures included a copy of the measurement tools (Example: Survey/observation sheet) | Procedures included a list of materials |
| Procedures included a participant cover letter explaining the project | Procedures included a participant cover letter explaining the project | Procedures included a participant cover letter explaining the project | Procedures explained that there were at least 5 replications per experimental group |
| Procedures included a copy of the data collection sheet | Procedures included a copy of the data collection sheet | Procedures included a copy of the data collection sheet | Procedures included a copy of the data collection sheet |
| Procedures explained how data was collected | Procedures explained how pre and post data was collected | Procedures explained how data was collected | Procedures explained how data was collected |
| Procedures included how data will be analyzed | Procedures included how data will be analyzed | Procedures included how data would be analyzed | Procedures included how data would be analyzed |