

Poster number: _____

Judge: _____

Competency	5	4	3	2	1
Analysis: Identifies Rationale or Hypothesis	- Very clearly identifies a hypothesis, rationale, or clarifies a systematic approach for exploration - Explicitly draws support for rationale from experience, observation and/or the literature base - Most variables are thoughtfully identified - Explicit link of current theory to the individual's own research study		- Identifies a hypothesis, rationale, or approach for exploration - Limited support for the rationale - Some variables are identified - Links current theory to the individual's own research (may be implied or vague)		- Hypothesis, rationale, or line of inquiry is not identified or has inconsistencies - Does not support rationale - Variables are inadequately addressed - Does not link current theory to the individual's own research study
Synthesis: Design of Methodology	- Clear and complete description of steps that will achieve the purpose of the research study and will allow for replication of the study		- Description of steps for research study is included		- Methodology is confusing or contains gaps - Methodology will not achieve the intended purpose of the study - Does not include description of steps for research study
Application: Data Collection & Analysis	- Very appropriate use of instruments and tools to make careful measurements		- Appropriate use of instruments and tools to make careful measurements		- Inappropriate use of tools and instruments
Application: Data Presentation	- Highly consistent and appropriate use of scientific units of measurements, labels, symbols, and equations - Concise visuals convey pertinent data that are otherwise difficult to convey; thus, increasing the efficiency and effectiveness of the presentation - Visuals enhance the communication process by utilizing the appropriate balance between effective visuals and text		- Consistent use of scientific units of measurements, labels, symbols, and equations - Minor inaccuracies or omissions noted, such as skipping a step, inaccurate equation (e.g. lack of labels, typographical errors, etc.) - Visuals convey data that are pertinent and add to the presentation, with some balance between text and visuals		- Does not attempt to use scientific labels, symbols or equations - Major inaccuracies or omissions are noted - Visuals distract from presentation by being too wordy or too limited (e.g. too much text or visual)
Synthesis: Conclusions	- Clearly addresses the research question(s) - Draws inferences that are highly consistent with the data and scientific reasoning - A clear description of the impact of the results - Provides the "big picture" of the research that includes a solid takeaway message		- Addresses the research question(s) - Identifies conclusions based on observations - A description of the impact of the results are given, but they are not detailed or clear - The "big picture" of the research is lacking, either in clarity or detail.		- Conclusions do not address the research question(s) - Conclusions not evaluated for accuracy and precision - The impact of the results from the research are not provided - There is no "big picture" takeaway provided.
Oral Presentation and Questions	- Speak clearly, make eye contact, and show a solid understanding of material - Answer difficult questions with ease		- Speak with limited clarity, show a general or limited understanding of material - Difficulty in answering questions		- Students not available