WInSTEP SEPA Research Paper Scoring Form

Student Name(s) _____

School _____

Total Score (Maximum 64) _____   Reviewer(s) _____

Instructions: For each category, indicate which criteria were met and record score in far right column. Maximum score per category is 8 points if all criteria were included for that category.

Category	Absent - 0	+2	+2	+2	+2 Quality of Writing	Score (max 8)
Abstract	None Present	• Brief overview of the research/purpose of the experiment/ importance	• Brief description of methods/findings	• Significance of results-related to human health		
Introduction	None Present	• Background research on topic explained/ referenced	• Significance explained/big picture	• Statement of testable research question/ rationale/hypothesis		
Materials and Methods	None Present	• Provides a detailed description of key procedures, materials, safety precautions in paragraph form	• Describes how outcomes were measured	• Description of statistical methods/data gathering		
Results	None Present	• Describes the experimental design	• Correctly identifies independent and dependent variables, controls and their relationship	• Connects the results to the aims of the experiment		
Data Presentation	None Present	• Appropriate data presented (data matches research question)	• Well labeled graphs, tables /charts displaying the raw data	• Graphs and charts explained		
Data Analysis	None Present	• Correct descriptive statistical test used	• Correctly explained why statistical test was used	• Correctly explained statistical significance of results		
Discussion	None Present	• Significant results are highlighted, explains relationship between data and hypothesis (data supports or fails to support hypothesis), trends in data	• Discusses limitations of project/errors	• Links work with larger body of knowledge presented in Introduction/relevance • Explains the big picture (who cares and why)		
Overall Presentation		• References cited correctly and are appropriate	• Limited spelling/grammar errors	• Well organized, formatted properly		

Comments:

TOTAL SCORE:
(max 64)

References:
- Health Sciences and Technology Academy (HSTA). *Research Rubric*. West Virginia University.
- Hesselbach, R., Petering, D., Berg, C.A., Tomasiewicz, H., & Weber, D. (2012). A Guide to Writing a Scientific Paper: A Focus on High School through Graduate Level Student Research, *Zebrafish, 9*(4), 246-249.