Hummingbird Research Investigation Grading Rubric

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **No Evidence** | **Approaching Expectations** | **Proficient / Competent** | **Advanced** |
| Research Question | * Not formulated as a question | * RQ but not measurable * RQ but not testable | * RQ, Measurable, Testable |  |
| Research Hypothesis | * Not formulated as a hypothesis statement | * A hypothesis statement but not supported with evidence | * Scientific research hypothesis with supporting evidence. |  |
| Methodology | * Research methods unclear * No distinct step-by-step outline of methods * Some steps may have been skipped * Some processes not documented * Data collection minimal | * Most methods are clear * Most steps included * Most methods understandable and logical * Most processes documented * Data collection adequate | * All necessary steps in process are clear and documented * Methods are understandable and logical * All processes documented * Data collection thorough |  |
| Results | * Results are unclear or not understandable | * Results are mostly clear and understandable | * Results are clear and understandable |  |
| Follow-up Questions | * No follow-up questions | * Minimal follow-up questions * Not well-thought-out * May be un-scientific | * Required follow-up questions * Well-thought-out * Scientific |  |