**INDEPENDENT PROJECT RUBRIC**

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| **Criteria** | **Comments** | **Points** |
| **ORGANIZATION** * requested sections with appropriate titles
* attention to language skills (grammar, punctuation, spelling)
* clear and easy to read
 |  | 2 |
| **QUESTION*** testable and specific
 |  | 1 |
| **HYPOTHESIS*** includes a specific prediction
 |  | 1 |
| **INTRODUCTION*** background information from many sources (*with in-text citations*) on the phenomenon investigated, including
	+ general information about the plant type, including ideal growing conditions
	+ the experimental variable as it relates to plant growth
	+ other similar experiments and their findings
 |  | 4 |
| **METHODS*** procedures - including enough detail that someone could repeat the same experiment
* the experimental design is clearly indicated including the subject(s), groups and variables
* materials used are clearly listed
 |  | 3 |
| **RESULTS** * concise paragraph that summarizes what happened (but does NOT attempt to explain why it happened)
* data table that displays recorded (measured) data for all of the seeds in each group over time (every 2-3 days), and a summary statistic (average) for each group on each day that data was recorded
* graph(s) that displays the summarized data (averages) for each group over time
* photos that document the change(s) that occurred
* tables, graphs and photos stand alone, with appropriate titles and labels (including metric units)
 |  | 6 |
| **INTERPRETATION*** statement about whether results support, partially support or refute hypothesis
* description of the trends evident in the graph(s)
* a thorough explanation – WHY did the EV affect the DV(s) this way?
	+ supported by information from many sources (*with in-text citations*)
* sources of error (uncertainty)
* *see your instructor for advice ASAP if none of your seeds germinated*
 |  | 6 |
| **WORKS CITED** * list of the sources used to provide background information in the *Introduction* and to help explain the results in the *Interpretation*
	+ reliable, scholarly sources
	+ appropriate citation style/format
	+ in-text citations correspond to the sources in this list
	+ information is not copied directly from the source - NO QUOTES
 |  | 2 |
| **TOTAL** |  | 25 |

Spring 2020