SMART GOAL 9TH GRADE FALL PROJECT RUBRIC

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| **Abstract** | Does not provide a claim, evidence or reasoning | Makes an inaccurate claim, provides qualitative evidence only.  Evidence does not support the claim, provides inappropriate reasoning. | Makes an accurate claim, but the claim is incomplete. Qualitative and quantitative evidence provided, but insufficient evidence to support claim.  Provides appropriate, but incomplete reasoning (not all evidence is accounted for) | Makes a claim (SMART Goal) that is accurate and complete, includes all elements including calendar. Provides appropriate and sufficient evidence to support claim. Provides reasoning that connects the evidence to the claim. Your reasoning should consist of:  a.) Discussion of project question,  b.) Prediction for future benefits to self/others,  c.) How would you change this next time? Why?  d.) What advice would you give someone based on your outcomes  e.) What is a practical application of your learning |
| **Background information** | Does not provide a research question, hypothesis, or SMART goal | Provides testable research question (purpose/hypothesis) only | Provides a Testable research question and hypothesis (If….then statement) | Provides a Testable research question, a hypothesis ( If….then statement) and SMART goal including variables. Includes research on proper exercise procedure. |
| **Procedure** | Does not provide materials, procedure or how data is be collected | Provides materials only | Provides materials and  Procedure (correct sequence and detailed) | Provides materials, procedure (correct sequence and detailed) and the process of data collection (tables and calendars) clearly explained |
| **Results & Data Analysis(x2)** | Does not provide data collection, graphs, or discussion | Provides data collection only, which is represented with  a). quantitative and qualitative observations  b). Includes title, units  c). Reasonable number of trials to validate results | Provides data collection which is represented by  a). Quantitative and qualitative observations  b). Includes title, and units  c). Reasonable number of trials to validate results  d). Graphs and/or diagrams properly scaled & explained  e). Results show connections between variables | Provides data collection which is clearly represented,  a). Quantitative and qualitative observations  b). Includes title, and units  c). Reasonable number of trials to validate results  d). Graphs and/or diagrams (includes titles, axis labeled, units) is properly scaled and explained  e). Results show connections between variables,  discussion of experimental error, sources of error, and possible effects and recommended future design changes |
| **Conclusions** | Does not provide a conclusion | Restates hypothesis only | Restates hypothesis and connects results to hypothesis | Restates hypothesis, connects results to hypothesis and provides next steps to deeper understanding of this process or practical application. |
| **Writing Skills** | Incoherent writing | Multiple writing errors | Some writing errors | Strong, consistent writing skills |