**Legacy 2000**

**Proposal Grading Rubric**

**Assignment: The goal of this assignment is to outline the goals of the project, propose expected outcomes, and identify what will need to be investigated. A description of each section written in a professional manner needs to be submitted to turnitin.com**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Project Goal**  | Possibility for Expansion | **Science Background** |
| **Exceeds expectations** | **4** | * All criteria below are included.
* The project goal is particularly unique and shows that the group has thought critically about the project. (The results will be possible to explain using scientific theory and the project will challenge the group.)
 | * All criteria below are included.
* More than one idea for expansion is given.
* The ideas for expansion are particularly unique and add interest to the project.
 | * All criteria below are included.
* The scientific and/or engineering principles listed show insight and demonstrate that the group has thought about scientific principles that will inform their result or design.
 |
| **Meets expectations** | **3** | * The project has new learning in science, technology, or math as its core focus.
* The question or problem that is being solved during the project is clearly identified.
* An expected outcome is stated:

(For engineering projects: measurable criteria for success are identified.)(For science projects: the independent and dependent variable is identified. Controls are identified.) | * A timetable is given outlining when specific portions of the project are expected to be complete.
* The timetable includes due dates but also gives details specific to the project.
* An idea for expanding the study or design beyond the expected scope is given. (What will you study if things get completed quicker than expected?)
 | * At least 3 scientific principles are identified that will need to be researched. (Note: all projects need this.)
* Engineering projects: Existing machines or designs are identified that will need to be studied are identified.
 |
| **In Progress** | **2** | * The project has science, technology, or math as the focus, but is too simplistic.
* Engineering projects: The criteria lack detail. (Be numerical when possible.)
* Science projects: Either the independent, dependent variables, or controls are not identified.
 | * The timetable only includes due dates with very limited information about project specific deadlines.
* The idea for expansion of the project appears to be too simplistic or not related to the main goal of the project.
 | * Less than 3 scientific principles are identified.
* Engineering projects list machines that are not closely related to the project or the relationship is not explained.
 |
| **Insufficient Progress** | **0** | * Science, technology, or math is not the focus of the project.
* A poor effort at identifying design criteria or experimental design was done.
 | * No timetable is given
* No idea for expanding the project is offered.
 | * No scientific principles are identified.
* Engineering projects: no existing devices are identified that will guide the design.
* The project appears to be based only on intuition, prior knowledge, or age inappropriate thinking.
 |