

Name: _____ Teacher: _____

Grade 9 and 10 students will complete a logbook that will be checked and marked daily by teachers using this rubric. The logbook will include at least two full paragraphs of reflections on what was done that day for your project. Use descriptions under categories to help decide what to include in your logbook.

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge/Understanding Qualitative and quantitative information (amount of info collected, understanding of content).	- logbook does not contain paragraphs describing daily progress and decisions -demonstrates no understanding of the design and research process	- logbook contains less than 2 paragraphs describing daily progress and decisions -demonstrates little understanding of the design and research process	-logbook contains 2 paragraphs describing daily progress and decisions -demonstrates some understanding of the design and research process	- logbook contains 2-3 paragraphs describing daily progress and decisions -demonstrates understanding of the design and research process
Thinking and Investigation How you planned the project yourself and with your teammates. Examples of what to include are formulating questions, identifying problems, selecting strategies, developing plans).	-little descriptions of team planning and problem identification. -future plans and strategies are never included.	-some descriptions of team planning and problem identification. -future plans and strategies are rarely included.	-good descriptions of team planning and problem identification. -future plans and strategies are usually included.	-detailed description of team planning and problem identification. -future plans and strategies are always included.
Communication Expression and organization of ideas and information (frequency and completeness of entries, clear expression, logical organization).	-logbook is lacking daily, organized entries. They are always much less than one page. -layout is illegible, with few entries - entries without titles	-logbook sometimes includes daily, organized entries that are often less than one full page. -layout is disorganized - entries without titles -entries on demand	-logbook usually includes daily, organized entries that are almost one full page. -readable layout -entries with title -regular entries	-logbook includes daily, well-organized entries that are 2-3 paragraphs. - layout is very easy to read - each entry has a creative title -spontaneous entries
Application Reflection on connections between science, technology, society, and the environment (what was accomplished, what you learned, how your work connects to project or the environment.	- no reflections are included on what was learned and accomplished each day -no entries included that connect project to technology, society or the environment.	- few reflections are included on what was learned and accomplished each day -few entries included that connect project to technology, society or the environment.	- some reflections are included on what was learned and accomplished each day -some entries included that connect project to technology, society or the environment.	- daily reflections are included on what was learned and accomplished each day -entries included that connect project to technology, society or the environment.