

12 Principles of Green Chemistry **Research Journal**

Overview: Each student will have their own research journal that includes daily notes and images on project work. This journal will be submitted at the end of the project as part of the summative assessment. Throughout the project, a teacher will review journals on a regular basis to keep teams on track and to use as a check-in grade. Teachers choose whether the journals are digital or in a notebook.

Requirements:

- First page of journal includes the following (note not all items will be known on day 1):
 - Name
 - Date
 - **Initial** consumer product to research
 - **Prospective** alternative sustainable consumer product
 - Stakeholders to the initial and alternative products (who uses the product, who buys the product, who makes the product, who sells the product)
 - Where the initial and prospective products are used, made, open or closed lifecycle
- Consecutive pages, students document each day that includes:
 - Who/what: What task needs to be completed that day; who needs to accomplish those tasks; what issues are part of the task; how long this task should take
 - What tasks were completed that day
 - What tasks need to still be completed for the project
- Once the following information is known, to document:
 - What are the raw materials that are needed to manufacture your artifact?
 - Where do these raw materials originate?
 - How is your artifact manufactured? (In other words, how does it go from raw materials to finished product?)
 - What happens to your artifact after it has been used
 - How does the lifecycle of your artifact align with the Twelve Principles of Green Chemistry?
- **References:**
 - Include all Works Cited
 - Include either printed journal articles used during the research or a summary of online articles used.
 - You can also include email/video/in-person interview, or explain a possible other method of information
 - Note: Wikipedia is not an acceptable source but can lead to credible sources.