

Computer Literacy 9 - IBMYP Project

You will choose a problem or issue, then design and create a product/procedure that will solve it (remember, a narrowly defined problem or issue, like “pollution in San Diego Harbor” is easier to create a solution for than is “water pollution”). You will do a presentation about how it affects life, society, and/or the environment and how your product or procedure will help solve it. You will follow the steps of the design cycle. Each step will contain requirements that you will be evaluated on.

Investigate

- Summary of Problem or issue and its importance for life, society, and/or the environment.
- Simple Design Brief including:
 - Questions to broaden research
 - Product or Solution suggestions
 - List of requirements for a successful product
 - Tests against design requirements

Design

- Three or more clearly presented possible designs for the product/procedure/solution you have created.
- Pros and Cons of each design and compare designs to the requirements to choose best design

Plan

- Plan all steps to create final product and tells how time and materials will be used

Create

- Document the creation process with journal entries or drawings and pictures and document and explain any changes to your plan
- Your final Product

Evaluate

- Reflection including how product was successful/unsuccessful based on testing and how it impacts individuals and society, and an evaluation of your performance at each stage of the design cycle with ways to improve in the future.

Attitudes in Technology - You will also be assessed on:

- Personal engagement
 - motivation
 - independence
 - general positive attitude
- Attitudes toward safety, cooperation, and respect for others

Due Dates

Problem Summary due Fri. March 18, 2011

Design Brief due Mon. March 21, 2011

Designs and choice due Wed. March 23, 2011

Plan due Fri. March 25, 2011

Spring Break

Product and documentation due Friday, April 22, 2011

Be ready to present on Mon. April 25, 2011

Reflection due Fri. April 29, 2011