IB Design Tech
Summer Assignment 2018

This assignment is due in its entirety the first day of class.

<u>**Overview**</u>

A critical part in the design project is the selection of a real life problem to solve. The solution must be obtainable, challenging, something you can prototype and test, and unique. It is to be your unique solution to a problem different than any existing solutions. Over the summer you are to think of three different problems you can solve as part of the design project. You will be spending a significant amount of time on this project, so select a problem you will enjoy solving. Also keep that this problem must result in a marketable solution, meaning there must be a market interested in purchasing a solution to the problem. The design project is the Internal Assessment, counting as 40% of the total IB assessments for SL and HL.

<u>**Assignment**</u>

Come up with three problem statements that you would consider for your design project. Each problem statement is to include the following:

- A two paragraph description of the problem with two images included and referenced in the text. The paragraphs are also to include a summary of who will benefit from a solution to this problem.
- One paragraph on how the problem is currently handled and why these solutions are inadequate, with two images included and referenced in the text.

Summer Work Grading Matrix

	4	3	2
Problem Identification	The 3 solutions must be obtainable, challenging, something you can prototype and test, and unique.	The 3 solutions must be obtainable, something you can prototype and test, and unique.	The solutions are either not something you can prototype and test or not unique.
Problem Description	A two paragraph description of the problem with two images included and referenced in the text. The problem is well defined and specific. Paragraphs include a personal statement for selecting this problem.	A two paragraph description of the problem with two images included and referenced in the text. The problem is partially described in generic terms. Paragraphs include a personal statement for selecting this problem.	The description does not include 2 images, is poorly defined, or does not include a personal statement.
Problem Discontent	Well written paragraph explaining how the problem is currently handled with two images included and referenced in the text. Explanation of why current problem is unacceptable	Well written paragraph explaining how the problem is currently handled with two images included and referenced in the text.	Does not include a current method of how this problem is overcome.