MYP Subject Area: Product Design								
Unit Title	**Key Concept**	**Related Concepts**	**Global Context**	**Statement of Inquiry**	**Subject Objectives & Strands**	**Overview of Summative Assessment Task**	**Approaches to Learning Skill Clusters**	**Content**
Outdoor Furniture	**Communities**	Ergonomics, Sustainability	Globalization and Sustainability	Ergonomic designs often are sustained for a long period of time through various community efforts	Criteria A-D	Students will build a piece of a furniture that can be used by the entire school community throughout the school campus.	II.Collaboration, I. Communication	Building Skills, Measuring Skills, Application of ideas, Manual Skills, Painting Skills
Electronics	**Systems**	Evalutation, Invention	Scientific and Technical Innovations	Analysis and evaluation of already existing systems enhances invention of new and improved products.	Criteria A-D	Students will design a simple electronic device that incorporates knowledge of electronics principles and electrical circucts. ex. Nigh Light	III. Organization X.Transfer	Principles of Electronics, Open and Closed Ciructs, Knowledge of the elements on the curcuit board, Soldering Skills
Choice	**Communication**	Form	Orientation in Space and Time	Application of the Design Cycle to everyday problems improves people's communication and ensures proper solutions to the presented problem.	Criteria A-D	Students will take on problem of their choice that they will solve using the Design Cycle, and all of the principles that they have learned throughout the MYP Program.	I.Communication X. Transfer	Students' Choice of the problem, medium, and past experiences from the MYP Design Program.