**Drafting and Design Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3D Modeling Project**

**Object:**

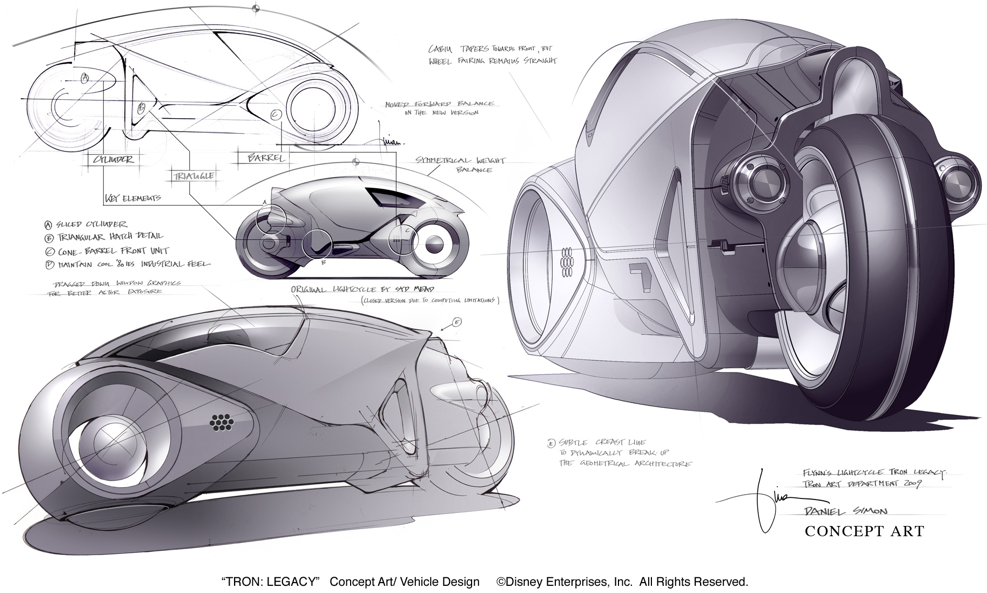
To further knowledge of 3D design and modeling techniques, students will choose a project from the list below to design and draw.

**Requirements:**

In order to earn full marks, students will need to demonstrate their application of the design process:

1. Evidence of research (photos, dimensioning info, sketches etc.)
2. 2D planning layer(s) with orthographic views of design.
3. 3D Model Layer(s)
4. Video Presentation (iMovie with audio and text)

**Project Suggestions:**

Design suggestions:

**Recreational Design**

* a board game (eg: chess)
* dartboard
* Sci-fi space/land craft
* Wall clock
* Car wheel
* Sports arena or field of play

**Transportation-based**

* Bicycle
* Scooter
* Motorcycle
* Light Rail Transit (train)
* 3-wheeled vehicle
* redesigned road to accommodate

multiple transportation-forms

**Architecture-based**

* Dream room
* Renovation and/or addition plans of a house kitchen
* Cottage in the woods

**Mechanical**

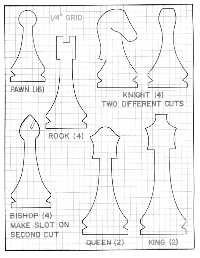
* a complex machine part
* a power tool with cross section

**Geometry study**

* celtic knot design
* 2d or 3d logo for personal or corporate use
* dartboard or other game board
* musical instrument

http://www.sadabike.it/en/the-bike-project/

**Consumer product**

* new appliance or electronic device
* Power tool
* A toy

**Landscape Design**

* Back or Front yard renovation

(Including deck and paved structures)

* Public green area

**Theatre Design**

* Set design(s) from a favorite play/musical

**Green Design**

* New recycling station for Mount Doug

**Evaluation**

Your project will be evaluated on the following criteria:

-Research

-Accuracy

-Form and function

-Aesthetics & creativity