

Sketchup Lesson Plans

Session 1: Getting Started: the Basics

Purpose:

- Students will learn the basic drawing tools for 3D structures.

Activities:

- Students will go over the Getting Started Video tutorials (1, 2 and 3).
- Students will use the techniques that have learned to explore to create some 3D structures of their choosing.

Session 2: Advanced Techniques for Drawing

Purpose:

- Students will learn more advanced techniques for drawing architectural structures including:
 - Follow Me tool
 - Offset Tool
 - Protractor
 - Rendering Options
 - Using Components
 - Downloading Models

Activities:

- Students will go through the advanced Video Tutorials created by Miles Derksen for Sketch Up.
- Students will then use the techniques to create some advanced 3D structures.

Session 3: The Dream Home

Purpose:

- Students will create an environmentally friendly dream home using Sketchup.

Activities:

- Students will discuss environmentally friendly housing.
- Students will be shown examples of these homes using a set of videos created by Miles Derksen
- Students will create their home using Sketchup.

Session 4: The Medieval Castle

Purpose:

- Students will create a Medieval Castle using Sketchup.

Activities:

- Students will discuss and learn about Medieval Architecture.
- Students will then create their own Castle structure using Sketchup.

Session 5: The Auditorium

Purpose:

- Students will design an Auditorium or Sports Complex for their home town.

Activities:

- Students will discuss the architecture of Auditoriums or Sports Complexes.
- Students will be shown examples of these complexes.
- Students will create a design in Sketchup.

Optional:

Session 6: The Future

Purpose:

- Students will muse about future architecture and then use Sketchup to create futuristic buildings.

Activities:

- Students will discuss possibilities for future architecture.
- Students will be shown some conceptual drawings of the future.
- Students will create their concept of the future using Sketchup.

Session 7: the Spacestation

Purpose:

- Students will design a space station using sketchup.

Activities:hup.

- Students will be discuss space station architecture.
- Students will be shown examples of conceptual space stations
- Students will create their own concept of a space station.

For each project, students will present their final completed designs to the class.