

3-D Modelling

In this assignment, you are going to use Google SketchUp to build an electronic model of a home.

Step 1: Open Google SketchUp 8. Follow the tutorials found at:

- SketchUp Intro Part 1: <http://www.sketchuptutorials.net/2011/10/18/sketchup-basics-tutorial-part-1-%e2%80%93-a-tutorial-primer-for-those-new-to-sketchup/>
- SketchUp Intro Part 2: <http://www.sketchuptutorials.net/2011/10/21/sketchup-basics-tutorial-part-2-creating-your-first-building/>
- SketchUp Intro Part 3: <http://www.sketchuptutorials.net/2011/11/01/sketchup-basics-tutorial-part-3-%e2%80%93-a-tutorial-primer-for-those-new-to-sketchup/>

Step 2: Now that you have learned how to build a house, design your own. It helps to plan ahead – it might be a rough sketch on a scrap piece of paper, but it is worthwhile to have some idea of you would like to organize your home (how the rooms are organized, where windows and doors might be, rough dimensions, etc). Build the home. You should include:

- A Kitchen
- A Bathroom
- A Living Room
- A Bedroom

Step 3: Once you have the building designed, begin adding the external features. Add textures (bricks, siding, etc.) to the exterior of the home. Add a roof. You might even want to put in a driveway!

Step 4: Now for the detail work. Add furniture to your rooms. Put in some landscaping features (pool, trees, maybe even a garden!). See if you can figure out how to direct where the light is coming from to add shadows. You might feel like putting a car or two in your yard. Do your best to make your place as nice as possible. Remember – this is your dream home!

Step 5: Add in any finishing touches you would like and be sure to save your work.

Once you are complete, let your teacher know. Be sure to save a copy of your home in the Hand-In folder on the Student Common drive.