Exploring Information Technology

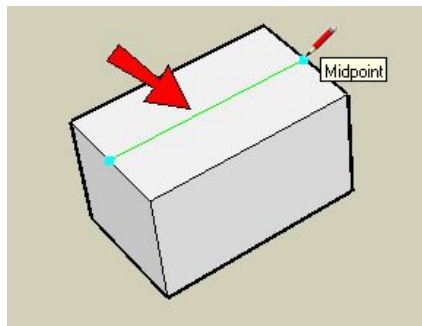**Part 2: Practicing Sketchup**

Use Sketchup to create a house.

VERY IMPORTANT: Read all directions carefully!!! Do not skip steps! If you do not READ every step your house will have a lot of problems with your design and may have to start over from the beginning. Please always remember to SAVE your project before you leave for the day!
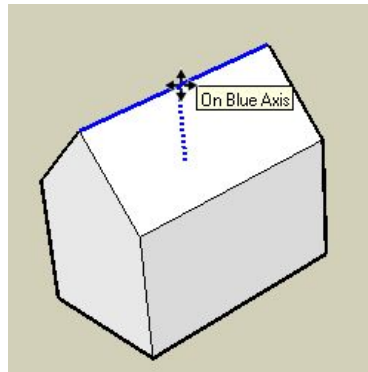
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1. Start with a **Rectangle** , and **Push/Pull** it up to a box.
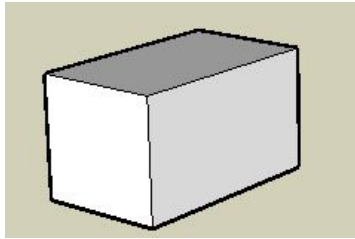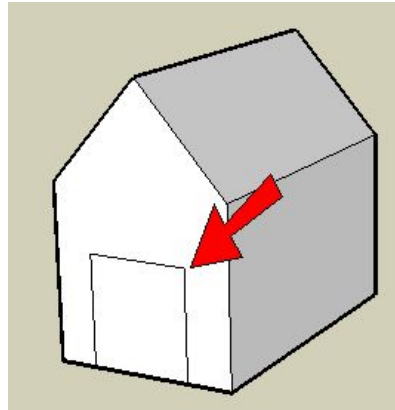

2. To make the roof, use the **Line** tool and draw a line on the roof between midpoints. Then click on the MIDPOINT in the center of the line.
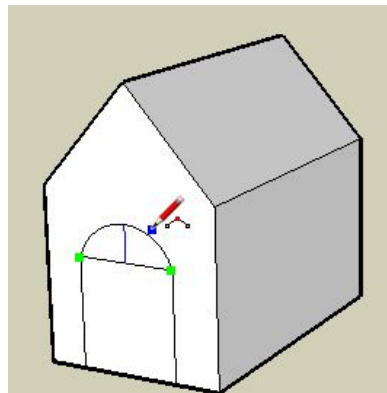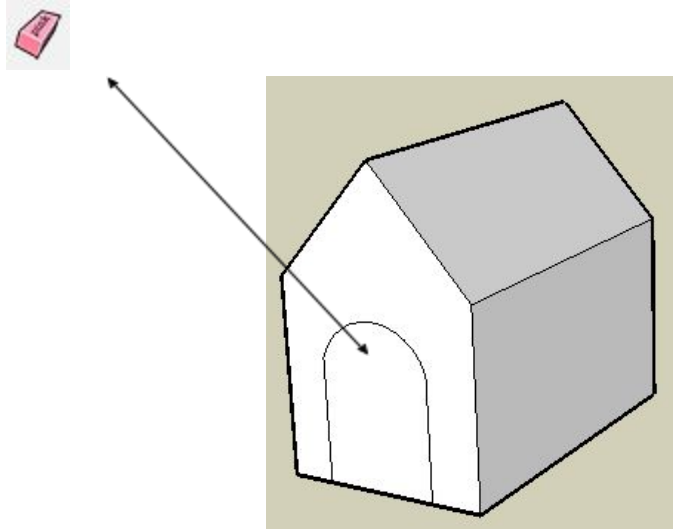
4. Add a rectangle ⬛ on the front face, to make a door.
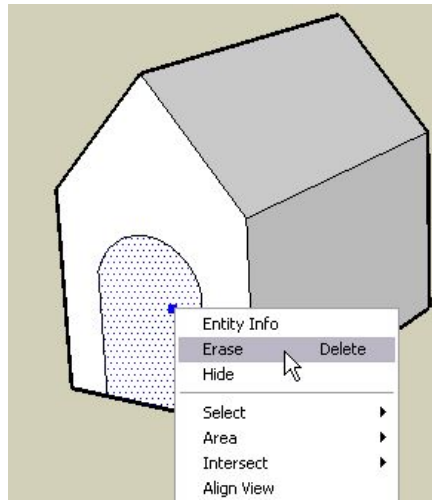

5. To make a more interesting door, add an arc at the top (use the **Arc** tool).

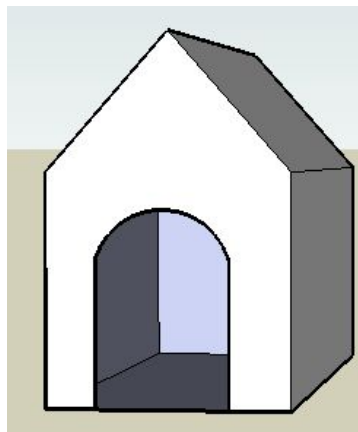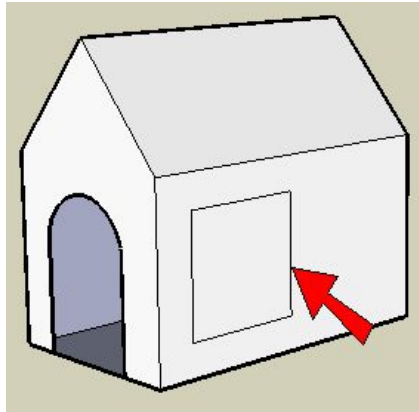7. To remove the door face, right-click on it and choose **Erase**.

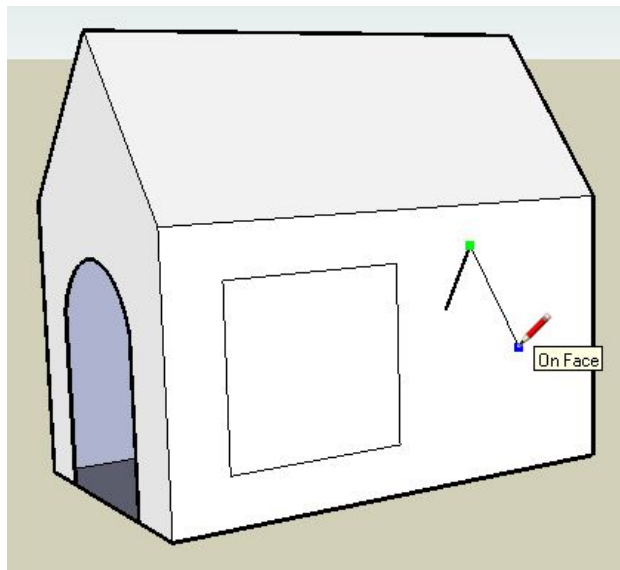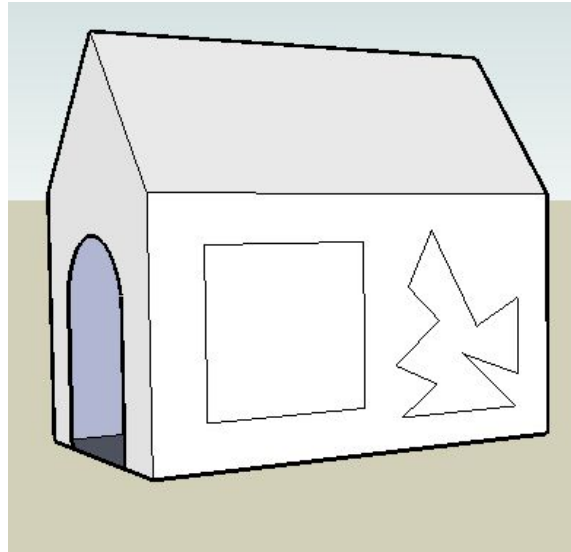Now you can see into the house.

9. Of course, windows don't have to be rectangles! Use **Line** and make some strange shape for a window. Be sure that you see "On Face" while making lines, or the lines might end up sticking out of the house.

10. Be sure to end the window shape where you started. If your lines are correct, the edges around the window will be thin.

Now we can color our house, starting with the roof. Click the **Paint Bucket** tool to open the **Materials** window (**Colors** on the Mac). Open the "Roofing" folder and click one of the swatches (I'm using the red metal roof, but you can choose your own).

11. Then click the roof face (don't forget to paint both sides of the roof). Use Orbit to navigate.
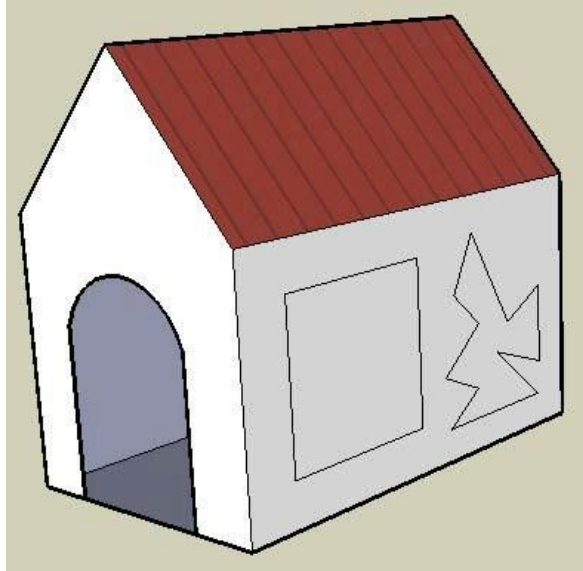
12. For the walls, I'm using tan bricks from the "Bricks and Cladding" folder. Choose your own color.

Here are the painted sides of the house:

13. Color your windows using colors in the "Translucent" folder.
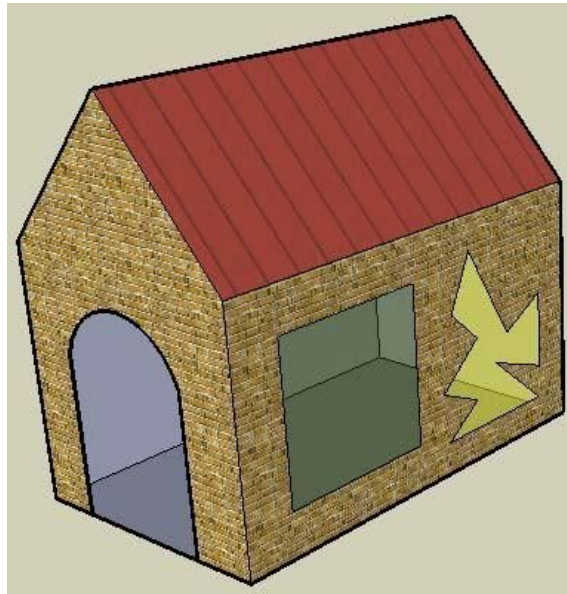
14. These   windows are so plain - let's make them more interesting. Add some vertical stripes to this window   by using the Line   tool.

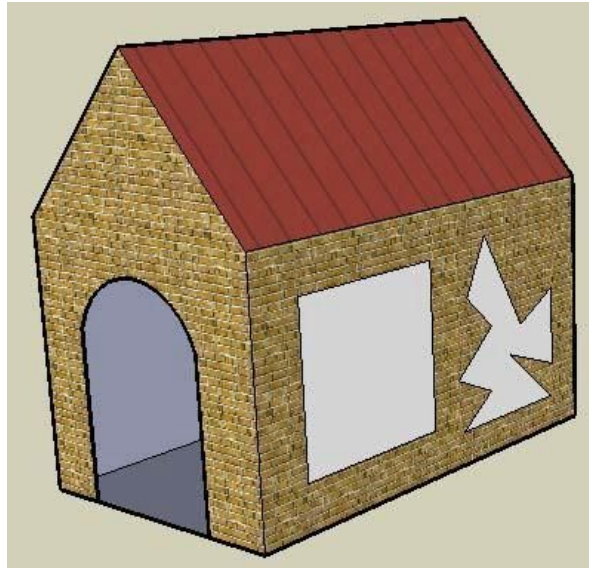Then paint   the stripes using different translucent colors.
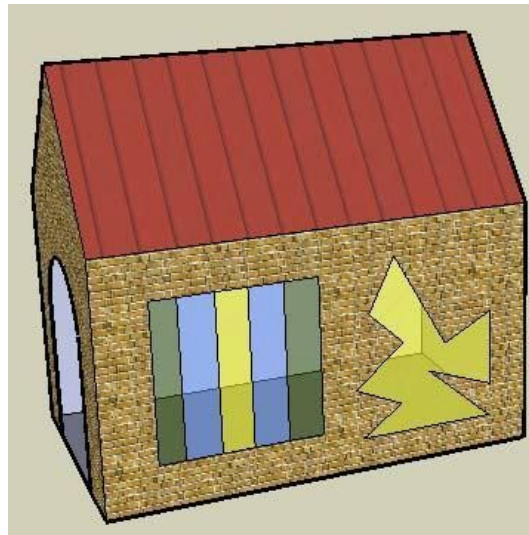
15. Let's design your door. Just use   **Line**   to redraw and connect the left side to the right side and the door face comes back. Use   the Eraser   to get rid of the line.

16. To dress up the door, you can add a **Circle** for a window. Paint the door and the circle. I painted my door with cherry wood from the "Wood" folder. I painted the Circle with the "translucent colors."

17. To personalize the house, you can add text using the **3D** [image] **Text** [image] tool
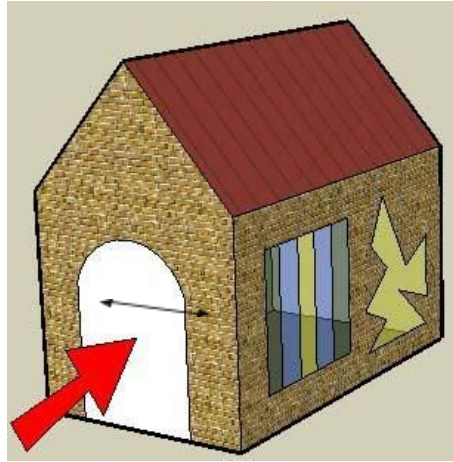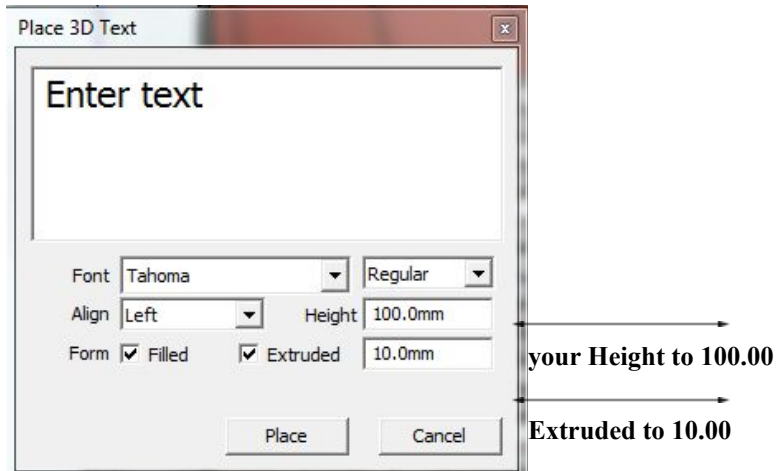
Place 3D Text

Enter text

Font Tahoma ▼ Regular ▼
Align Left ▼ Height 100.0mm
Form ✓ Filled ✓ Extruded 10.0mm

Place   Cancel

your Height to 100.00   **Change**

Extruded to 10.00   **Change**

3D Text requires that you enter a specific font and size, so you might have to try a few times to get the exact text you want. It also comes into the model as a component, so if you want to change it, you need to edit the component first (or explode the component).
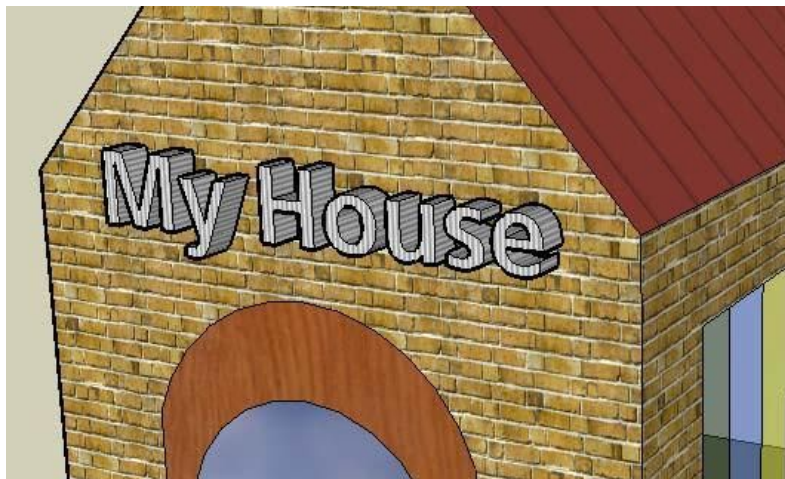
20. Add some personal features to your house
- Front Yard with trees, bushes, flowers
- Backyard with trees, bushes, flowers
- Driveway
- Fence around your house
- More windows

Part 3: Naming and Turning in Your Work

1) Rotate your 3D creation so it is at the best angle
2) Use the snipping tool to take a picture of your house
3) Save your picture in this format: **FirstNameLastName-IntrotoSketchup (**Naming it correctly is worth 5 points…)
4) Go onto my website (**gastoncte102.weebly.com**) and upload the picture to the Google Drive.
5) Turn in this completed packet.

Category	Points Earned
Part 1: Exploring the Toolbar (20 points)	
Part 2: Practicing Sketchup-House (25 points)	
Part 3: Naming Your Project Correctly (5 points)	
Total Points Earned	/ 50 points