

# Google SketchUp

## 8<sup>th</sup> Grade

Please Choose One:

- Create one outdoor dog house large enough for two Siberian huskies. The dog house must accommodate the height, width and length of the dog in every way... doors, beds, ceiling height, etc. The house must have an area for sleeping and an area for eating. The dog house must be the size of a small one car garage or smaller.
- Create a tree house. The tree house should be child sized... meaning tall enough for a child to stand up in. Design the tree house to be as safe as possible. Windows should be designed so a child cannot fall out. The tree house should be large enough for three children to use comfortably but small enough to fit in a tree.
- Create a home theatre room. The room should accommodate between 4-8 people. Projection wall, projection area, and stadium seating are some of the things to think about when designing this room.
- Design a garage. The garage must be large enough for one full size automobile. Your garage must include areas for storage. Think about how much room will be needed to open the vehicle doors when inside the garage and the amount of room for walking around the vehicle once inside the garage.
- Create a child's playroom. The room should be no larger than an average size bedroom. You must have areas for storage, a reading/cozy area, a place to do some art, and a space for play.
- Design a home office. The room should be no larger than an average size bedroom. You must include areas for a computer, printer, storage, and an area for writing.

Things to think about...

Lighting... Does my space need natural light or would a darker space be better? Think about unique ways to incorporate natural light that will work well with your space.

Storage... Most spaces need a place for people to put things. Some spaces need more storage than others.

Colors... Think about the kind of mood or feel you want to create for your room. Is your room designed to relax or stimulate?

Creativity... Your room should be functional but feel free to use your imagination to create a unique space. Lofts, skylights, themed rooms, or rooms with interesting shapes are good places to start.

Research... You may need to do a bit of research before you begin designing your space. You may need to find out average measurements so that you can design a space large enough to occupy the animal, person, or object that will be inside the room. You may also want to browse images of similar spaces for inspiration.

Points:

\_\_\_\_ Space is functional (meets needs for being built)

\_\_\_\_ Space is complete

\_\_\_\_ Everything in space is appropriate size for use in the real world

\_\_\_\_ Student is able to use the Google Sketchup tools independently

\_\_\_\_ Project was saved, printed and turned in on time

\_\_\_\_\_ %

