Geometry in Construction
Minecraft Education Edition
House Build Project (50 Points)

Project Summary: You will be making a house in Minecraft and capturing video and image footage on the way. You will try to use multiple types of materials. This can be done in creative or survival mode.

Step 1: Decide on a floorplan. Whether a "Minecraft" house or an actual home, design a floorplan on paper. You will get **2 points per room** separated by a door or floor with a maximum of 10 points. Take a picture of your sketch or draw a sketch and insert here.

Points out of 10: ___

Step 2: Inside Minecraft, lay the foundation (and your exterior and interior walls 1 block high. Capture an image of the floorplan and insert here. The foundation should be made out of some type of stone. This completed step and image is worth 10 points.

Points out of 10: ___

Step 3: Complete the walls but do not put the roof on the house. Take at least 3 pictures of different viewpoints of your home after this step is completed. There should be a way to get between floors using ladders or stairs, if necessary. (NOTE: If you have multiple floors, you can build the floors to complete your build.). This step is worth 10 points.

Image#1: Image#2: Image#3:

Rubric for Step 3:

0 Points	5 Points	7 Points	8.5 Points	10 Points
You did not complete the house project.	You completed the walls but they are all using the same type of block for the entire build.	You built walls with different types of block materials. You have windows and doors.	You have walls of different types of blocks. You have doors, windows, and lighting. You have indoor furniture / decor.	You have used multiple block types as well as block textures (stairs, slabs, and blocks). You Have thought about not just the structure of the floorplan but also how it will look.

Step 4: Complete the roof. You can use blocks, slabs, stairs, etc. Do a video walkthrough (no more than 5 minutes) of the entire house. Sound is not necessary. Submit this video to Schoology for up to 20 points.

Rubric for Step 4:

O Points	5 Points	7 Points	8.5 Points	10 Points
You did not complete the video.	You completed the video but the roof is just a layer of blocks.	You completed the home with either a gable or flat roof using slabs.	You completed the roof. You added a little extra detail. This could be either attic windows, a chimney, or landscaping.	You completed the roof, added extra details where appropriate, and did landscaping including paths, outdoor lighting, out buildings, etc.