

Spring Geometry Project: Phase Two

For Phase II of our tiny house project, you have two options.

Option One: 3D Design on Floorplanner.com

Once you have determined the details of each perspective of your tiny house in 2D, you are now ready to create a 3D version of your structure. Instead of asking you to draw this by hand, you will be using a website called floorplanner.com.

The tools on the website are very intuitive. You are technologically savvy enough that you can figure out the basics just by playing around with it. Obviously, your teacher can give you some tips if you're having trouble with the site.

Requirements for this option:

- Create a digital blueprint on [floorplanner.com](https://www.floorplanner.com) that matches the hand drawn blueprint (minor changes are acceptable).
- If a loft is included in the plan, it must be done as a "second floor" using the software
- Your tiny house should be completely furnished. The furnishings should be realistic (shouldn't needlessly take up precious floor space, should be appropriately sized, should be conscious of final cost of project).
- Flooring should be appropriately chosen (carpet, wood, tile, etc.)
- Basic landscaping and grass should be created on the outside of the house
- Project views to be exported and turned in:
 - PDF of the top-down view with all furnishings, flooring, etc.,
 - Screenshot (jpg) of several 3D views to showcase the landscaping, front, back, and sides of the house.

Option Two: 3D Scale Model

As an alternative to using Floorplanner, you can build an actual 3D scale model of your structure. This is essentially what you are aiming for: a scaled down version of what your building will actually look like. This also needs to be as detailed as possible including the correct use of scale, colors, and textures. The end goal is to leave nothing to the imagination: your model should look exactly like a miniature version of the real thing. In your final construction you need to include a model human to help make the scaling evident. If you choose this option I strongly encourage you to start on this as early as possible. I have an excellent example from last year's project for you to view so that you can see the standard that will be required. I will warn you up front: for this option you will need artistic/design skills. This is NOT a "craft project" option.

(The grading rubric for both options is on the other side of this page.)

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Phase II - Option One: Floorplanner	50	
All required elements are included (structure and any component parts)	10	
Everything is drawn to a correct scale	16	
Drawing is carefully rendered with significant effort in accuracy and detail	16	
Colors and textures are included and utilized appropriately	8	

Phase II - Option Two: Scale Model	50	
All required elements are included (structure and any component parts)	8	
Everything is done to a correct scale and a model person is included	14	
Model shows significant effort in accuracy and neatness	14	
Appropriate materials are used	14	