



Home Lesson

Blueprint Building

Appropriate Age or Grade Level: **2 to 4**
Estimated Duration: **1 hour**

Objectives/Key Concepts: Learn what blueprints are and how they're used. You'll also create your own while using a LEGO for scale to figure out how long or wide your structure will be.

Materials:

- LEGOs
- Blueprint examples
- Blueprint paper
- Black ink pens

Instructions:

1. Grab your blueprint paper and get ready to create your own blueprint.
2. Get ready to design a floorplan, complete with windows, chairs, walls and more. Use your imagination. It's your building, so set your own requirements for what's included.
3. Once your blueprint is complete, grab some LEGOs. Use a LEGO for scale and start to figure out just how big your building would be.
4. Now use your LEGOs to bring your blueprint to life!

Background Information:

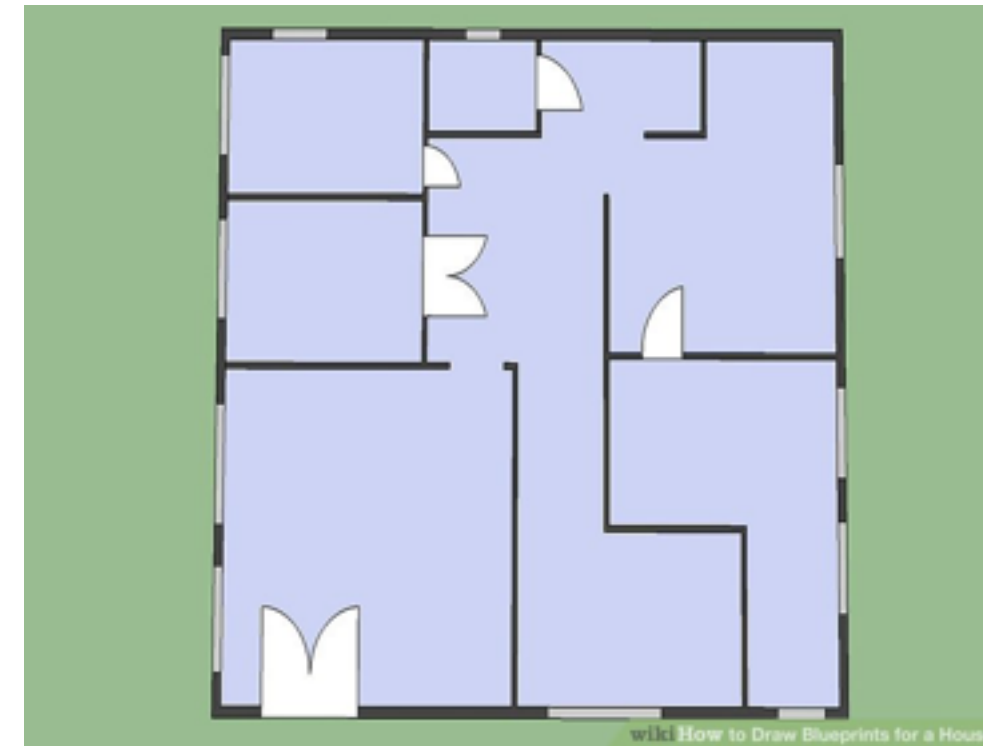
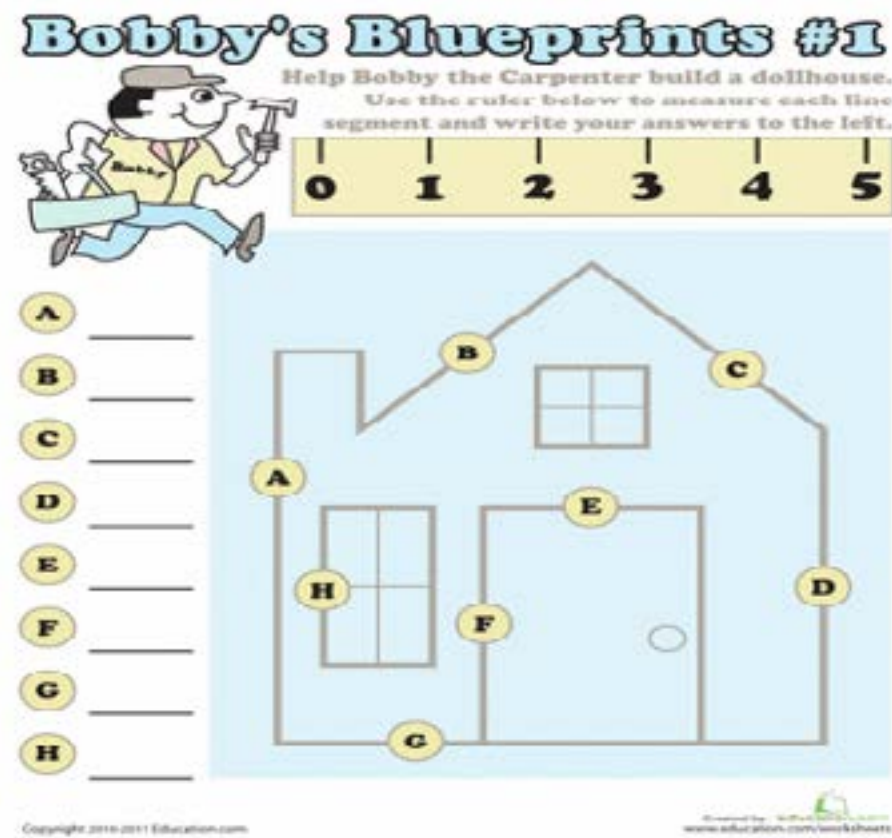
- **What are blueprints?** Blueprints serve as a guide and layout of buildings, rooms, products and more that are being designed.
- **What is included in a blueprint?** Precise locations of certain elements such as walls, doors and windows, as well as plumbing and electric.

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Visit <https://www.cincymuseum.org/learning-from-home/>

Blueprint examples



Bibliography:

<https://sciencing.com/make-blueprint-kids-6621832.html>

<http://www.the-house-plans-guide.com/how-to-read-blueprints.html>

<https://blog.plangrid.com/2016/04/the-history-of-blueprints/>

<https://www.wikihow.com/Draw-Blueprints-for-a-House>

