

# Building a Blueprint



## Materials

- Paint (white or blue is preferred)
- Construction Paper (white or blue is preferred)
- Collection of Stamping Items\*
  - Cardboard Square (bent and straight)
  - Toilet Paper Roll
  - Wooden Block
- Paper Towels and Water (for cleaning)
- Blueprint Sample (attached)

\*Note: Stamping items should contain a variety materials with edges and faces representing difference sizes and shapes.

## Learning Objectives

- I can explain how blueprints are used to build buildings
- I can describe the attributes of different stamps
- I can create a blueprint using different materials

## Skills

-  Language Development
-  Creative Play
-  Fine Motor
-  Math Skills

## Exploration

Begin this activity sharing the Blueprint Sample with the student. Ask them to make observations and guide them to understand the purpose of a blueprint:

- **What do you notice about these blueprints?**
- **What shapes are in a blueprint?**
- **What do you think a blueprint is used for?**
- **Who do you think uses a blueprint?**

Explain to the learner that blueprints are technical drawings used by engineers, construction workers, architects, and other professions that build and design objects. Blueprints allow people to see the layout, measurements, and arrangement of materials and objects that are part of a larger project. Buildings and houses are often built using a blueprint.

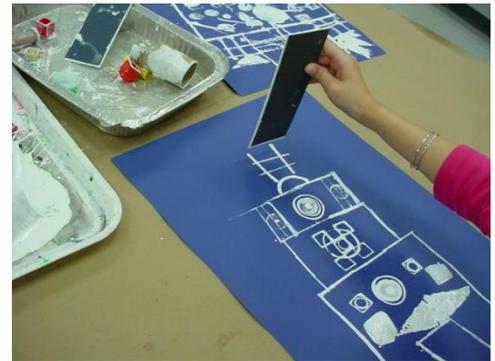


Image: <http://dolvinartknight.blogspot.com/2011/02/kindergarten-stamp-printing.html>

Explain to students that they will create their own blueprint of a building using paint and stamping materials. Give students several minutes to explore the stamping materials to determine how they could be used to create lines and shapes on their construction (blueprint) paper. Then, allow students to begin stamping the materials to create a blueprint of a building. Modeling may be required.

After completing the blueprint, encourage students to reflect on the activity:

- **Describe your blueprint.**
- **What type of building will this be? Who will live/work inside this building? What will they do?**
- **How will an engineer, designer, or construction worker use your blueprint?**
- **What shapes did you include in your blueprint?**

