## Drawing Floor Plans

Even though buildings are 3-D spaces, architects use 2-D drawings to create their designs and organize their ideas. A *floor plan* is a 2-D drawing of a building or room from an overhead view. It is like a map of the space. Sketch a floor plan of a room in your home using the plan drawing symbols below. Here is a quick overview and a video demonstration of the process to help you get started.

### Materials
- Pencil
- Ruler
- Paper
- Eraser

### Instructions

**Step 1**  
Pick a room in your home and figure out the overall shape. Is it a rectangle? A square? A trapezoid? Lightly draw this shape on your paper to show the walls.

**Step 2**  
Look at each wall to observe where there are openings for windows, doors, and walkways. Mark these openings on your sketch and erase those portions of the wall outline.

**Step 3**  
Use the symbols above to draw in the doors and windows. Thicken your outline for the walls to show they are solid.

**Step 4**  
You can add furniture to your sketch by drawing their shapes as seen from above. Make sure your plan drawing works like a map, so it shows their correct locations in the room.

**Step 5**  
Share a photograph of your creation on Instagram! Tag @centerforarchk12 and use #architectureathome.

---

This dotted line shows how the *door* swings open.

This solid line shows the *door*’s open position.

Walls are shown with thick, solid lines.

This rectangular symbol shows a *window*.

There is an opening in the wall for the door.