I have enjoyed playing with my game but wires kept falling out. Therefore, I decided to build a version where the components are soldered onto a prototyping board. There are lots of choices. I suggest you search "Prototyping Board" into the place where you like to purchase electronics (www.digikey.com (http://www.digikey.com), www.mouser.com (http://www.mouser.com), or www.element14.com (http://www.element14.com)). Get a board with a simple pattern like the video. The one I used is Jameco Part no. 206587, cut in half (www.Jameco.com (http://www.Jameco.com)). The male headers allowed me to plug the LaunchPad onto the protoboard. You are searching for "header"+"unshrouded"+2.54mm pitch, 2 rows by 10 pins, male pins. Examples include Mouser Part #:649-68691-210HLF, Newark Part No.: 08N6791, and Digi-Key Part Number 609-3236-ND

## LAB 15 BOARD

0:00 / 5:59 1.0x

JONATHAN VALVANO: Hi.

In this video, I will show you how I built my hand-held game

onto a soldered board.

Let's begin with the components.

This is a typical prototyping board that can be soldered.

Here on the front of the board, our 0.1 inch center holes,

and here on the back of the board is a simple pattern that I can solder to.

These are tined, copper plates, making it easier to solder.

You can see one of the first steps that I

did is I had to drill out the holes for my devices,

like here's where my audio jack is going to go,

and down here is where my slide pot will be.

So I drilled out the holes to make space.

As in any project, before you begin you want to plan.

So what I do is I map out physically where all my devices will fit.

Here's where I'm going to put the audio jack, over here is my Nokia display,

there's my slide pot.

My LaunchPad is going to plug-in right here on to these male headers.

And I lay everything out on the board prior to beginning.

All right, once you've figured out where

Help