

# BlueStamp Engineering

## Example of a Build Plan

After a student selects their project with their instructor, he or she must create a Bill of Materials (BOM) listing all of the parts required and write a Build Plan describing the main project. Below is an example of a build plan.

**Name:** Kenson Nguyen

**Location:** Palo Alto

**Instructor:** Leah Feuerman

**Starter Project:** #8, MiniPOV

**Main Project:** SDP, Bluetooth speaker

### Major Steps to complete the project:

1. Make sure all parts have arrived as planned
2. Cut the wood from the wood sheet.
3. Make cutouts for buttons in the wood and paint the wood.
4. Assemble the speaker frame. **MILESTONE**
5. Attach speaker drivers to the frame.
6. Create movable LED baffle with diffuser.
7. Attach buttons to top panel.
8. Add Arduino, microphone, power supply, etc into circuit. **MILESTONE**
9. Add LED code to Arduino and power on. **MILESTONE**
10. Create full documentation, write a blog post describing the system, and post everything on your webpage.

First milestone: Matrix working/ get arduino to blink

### Potential Modifications:

1. Customize LED Effects.
2. Change thickness of LED diffuser.