

Bill of Materials

- ❖ 4 sections of sanded plywood ($\frac{1}{4}$ in x 2ft x 4ft)
- ❖ 4 sections of pine board (1in x 2in x 8ft)
- ❖ 23 screws (1-5/8in)
- ❖ 2 hinge sets (screws included)
- ❖ 7 arcade buttons (switches included)
- ❖ 1 Raspberry Pi
- ❖ 1 GPIO breadboard
- ❖ 1 ribbon cable
- ❖ 19 jumper wires
- ❖ 6 jumper wire extenders
- ❖ 26 wires (from engineering kit)
- ❖ 3 LEDs (blue, red, yellow)
- ❖ 3 220-ohm resistors
- ❖ 3 ping pong balls (cut in half)
- ❖ Paint (red, blue, yellow, green, black)
- ❖ Paintbrushes
- ❖ Drill (use 1-inch bit, 5/32 bit, and philips bit)
- ❖ Glue