

**SOUND GARDEN**  
**EPISODE 209.1**  
**'KIDS, KIDS, KIDS'**



**MATERIALS NEEDED**

**MAIN STRUCTURE**

- 12 feet of 8" Sonotube
- 3 cubic feet of concrete to hold posts in the ground
- 3 ½" lag bolts
- 3" coated screws
- 32 feet of 2x4 standard
- 30 feet of pressure treated 4x4
- 2 Base 44 anchor plates
- 5/16" x 2 ½" sleeve anchors
- Clear anti-rust spray paint for coating all metal

**DRUM KIT**

- 1 box of rubber washers
- 4 metal buckets of various sizes for drums
- Paint cans for drums
- Metal mixing bowls for drums

**CHAIN CHIME**

- Twelve 1' lengths of 4-gauge chain
- 12 feet of 1x2 pine as backing for chime

12 galvanized washers  
2" stainless steel screws

**STEEL PIPE XYLOPHONE**

10-foot lengths of galvanized pipe  
Bolts  
Locking nuts  
Rubber washers

**SCREAMING TUBE**

10 feet of 4" PVC pipe  
6 PVC elbows  
PVC cement  
Galvanized strap roll  
Screws

**WOODEN WASHBOARD**

4 feet of 2x6 maple

**WOODEN RULER**

4 feet of 1x6 clear pine  
Small can of black paint to paint numbers and lines  
Polyurethane

## **SOUND GARDEN**

### **EYES FOR THE JOB- EPISODE 209.1**

#### **'KIDS, KIDS, KIDS'**



### **STEP BY STEP BUILD PLAN**

1. Site prep and posts
  - a. Use a post hole digger to dig 4 holes about 4 feet deep
  - b. If you encounter rock and slate, use an iron prybar to work through
2. Build panels
  - a. Cut 2x4's and 2x8's to length
  - b. Paint each board (optional) and allow them to dry
  - c. Fasten the panels to 2x4's
3. Rust proof all metal materials
4. Build 'drum kit'
  - a. Cut holes with jig saws for buckets that are to be flush mounted
  - b. Attach the remaining instruments to one of the panels with screws and rubber gaskets
5. Chain chime
  - a. Mount 1x2 pine to a panel
  - b. Screw chains to front, spaced at about 1"
6. Steel Pipe Xylophone
  - a. Measure and cut your pipe using a steel grinder
  - b. Drill holes for bolts
  - c. Attach to a panel with rubber washers, bolts, and locking nuts
7. Screaming Tube
  - a. Cut PVC pipe at various lengths to wrap around a panel
  - b. Glue ends and attach elbows

- c. Use brackets to attach the tube to a panel
- 8. Wooden Washboard
  - a. Cross cut lines across the length of 2x6 maple with a router
- 9. Schoolhouse Ruler
  - a. Rip a 2-inch piece of 1x6 clear pine
  - b. Paint lines and numbers to look like a ruler
  - c. Coat with polyurethane
- 10. Install all panels to the structure