

Wiring a House Project

Challenge: Your job is to create a four room house out of a cardboard box and wire it so that it has working lights. Each room must have at least ONE switch that can turn the lights in that room on and off. Once you have completed the wiring of the house, you may include decorations and furnishings as you choose.

Minimum Requirements:

- At least FOUR rooms
- A drawn DIAGRAM showing the bulbs, wires, switches and batteries in the house
- At least ONE light in each room
- At least ONE switch in each room
- Source(s) of electricity outside of the house in one set location

Grading:

- Complete diagram of wiring _____/ 5 pts
- Batteries located outside of the house in one set location _____/ 3 pts
- Neat wiring job _____/ 4 pts
- Room Lights & Switches _____/ 8 pts
 - Room 1
 - Light _____/ 1 pt
 - Switch _____/ 1 pt
 - Room 2
 - Light _____/ 1 pt
 - Switch _____/ 1 pt
 - Room 3
 - Light _____/ 1 pt
 - Switch _____/ 1 pt
 - Room 4
 - Light _____/ 1 pt
 - Switch _____/ 1 pt
 - Additional rooms (extra credit possible)
 - Lights _____ x 1 pt = _____
 - Switches _____ x 1 pt = _____
- House Décor (Pick 3 of the 4 categories below) _____/ 6 pts.
 - Furniture (must be made) _____/2 pts
 - Walls – painted or wall paper _____/2 pts
 - Flooring _____/2 pts
 - Other: _____/2 pts (extra credit possible)
- Overall Effort & Creativity _____/ 4 pts

Total Points _____/ 30 pts.