

# Light-House Project Rubric

Name: \_\_\_\_\_ Period: \_\_\_\_\_

## 1. Approval of Building Plans (Circuit Diagram)

The building plan (circuit schematic) must clearly show one room with two lights in series, one room with three lights in parallel and an independent outside light all operating from a single 9 V battery using three independent switches. (10 pts)

Date submitted:	<input type="checkbox"/> Denied	<input type="checkbox"/> Approved
Resubmitted on:	<input type="checkbox"/> Denied	<input type="checkbox"/> Approved

**2. Building Inspection:** If your building fails to meet any of these inspection points you will have to pay a fine (a point deduction):

	Check	Fine
Series and parallel circuits work independently; <i>Battery does not have to be moved</i>	<input type="checkbox"/>	-10 pts
There is a switch in each room	<input type="checkbox"/>	-10 pts
One room has two lights in series wired correctly	<input type="checkbox"/>	-10 pts
One room has three lights in parallel wired correctly	<input type="checkbox"/>	-10 pts
One outside light works independently and is wired correctly	<input type="checkbox"/>	-10 pts
The house is at least 4" x 6" x 1' (close to the size of a shoebox)	<input type="checkbox"/>	-10 pts

**3. Design Evaluation:** In order to determine the design appeal of your building to help prepare it for sale, the real estate agent will use this rubric for evaluation:

Area evaluated:	Description		
<i>Décor</i>	The rooms are well decorated and it is obvious that care was taken to do so. The rooms have an obvious purpose. (10)	There has been some effort made to decorate but the result is not clean or care was not taken. The purpose of the rooms is slightly unclear. (5)	The rooms are sloppily or undecorated. The purpose is not clear. (1)
<i>Furniture &amp; Structure</i>	The furniture appears to be well built and the structure of the building seems solid. (10)	The furniture is questionable or the structure seems of lower quality. (5)	The furniture appears poorly made or unsafe. The buildings structure appears poorly made or unsafe. (1)
<i>Blueprint</i>	The blueprints include a front elevation, side elevation, and floor plan.  The drawing is neat, correctly scaled, and clearly labeled. (10)	One of the three required blueprints is missing or done incorrectly.  The drawing is slightly messy, missing some labels, or incorrectly scaled (5)	Only one of the required blueprints was done correctly.  The drawing is messy and most labels are missing. (1)

**Final Point Value (score):**

Building Plans (circuit diagram) completed: \_\_\_\_\_/10 points  
 Building Inspection passed - any points in inspection fees: \_\_\_\_\_/ 60 points  
 Design Evaluation score: \_\_\_\_\_/ 30 points  
**TOTAL value: \_\_\_\_\_/100 points**