**Electrical Systems Project Rubric**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Criteria Categories** | |  |  |  |
|  |  |  |  |  |  |  |
| **Criteria** | **Unacceptable** | **Major Revisions** | **Acceptable** | **Acceptable** |  |  |
| (Content/Skills | **with Minor** | **without** | **Points** |  |
| **(0-15 pts.)** | **Necessary** |  |
| To Be | **Revisions** | **Revisions** | **Earned** |  |
|  | **(16-19 pts.)** |  |
| Addressed) |  | **(20-22 pts.)** | **(23-25 pts.)** |  |  |
|  |  |  |  |
|  |  |  |  |  |  |  |
|  | The team did not | The team used the | The team used | The team used the |  |  |
|  | use the energy | energy audit of | the energy audit | energy audio of |  |  |
|  | audit of their school | their school. The | of their school. | their school. The |  |  |
|  | or the drawing did | drawing is only | The drawing is | drawing utilizes |  |  |
|  | not seem to match | two-dimensional, | only two- | three dimensions |  |  |
| **Detailed** | the energy audit. | but is lacking | dimensional and | and would be easy |  |  |
| **Drawing** | The drawing is two- | details. Some | would be easy to | to replicate. |  |  |
|  | dimensional, but is | labels and | replicate. Labels | Labels and |  |  |
|  | lacking details. | dimensions are | and dimensions | dimensions are |  |  |
|  | Very few labels and | marked. | are mostly | clearly marked. |  |  |
|  | dimensions are |  | marked. |  |  |  |
|  | marked. |  |  |  |  |  |
|  | Areas of the | Areas of the | Areas of the | Areas of the |  |  |
|  | building are | building are | building are | building are |  |  |
|  | submitted, but | submitted, but the | submitted and | submitted and |  |  |
|  | incomplete. | drawing seems | present. All | present. All |  |  |
| **Areas** | Dimensions are | incomplete. Some | dimensions are | dimensions are |  |  |
| missing. Answers | dimensions are | present. There | present. There are |  |  |
|  |  |  |
|  | are wrong. | present. There are | are minor | no mathematical |  |  |
|  |  | minor | mathematical | mistakes. |  |  |
|  |  | mathematical | mistakes. |  |  |  |
|  |  | mistakes. |  |  |  |  |
|  | The team did not | The team used | The team used | The team used |  |  |
|  | include a list of any | limited | conventional and | conventional and |  |  |
|  | power sources. | conventional | renewable power | renewable power |  |  |
|  | Design was not | power sources, but | sources. Design | sources. |  |  |
| **Electrical** | efficient or cost | did not include | could be more |  |  |  |
| **Guidelines** | effective. | renewable power | efficient and cost |  |  |  |
|  |  | sources. | effective. |  |  |  |
|  |  | Design was not |  |  |  |  |
|  |  | efficient and cost |  |  |  |  |
|  |  | effective. |  |  |  |  |
|  | The team members | The team | The team | The team |  |  |
|  | showed no | members showed | members showed | members showed |  |  |
| **Creativity** | creativity in the | limited creativity in | above average | a high level of |  |  |
| design of the | the design of the | creativity in the | creativity in the |  |  |
|  |  |  |
|  | electrical system. | electrical system. | design of the | design of the |  |  |
|  |  |  | electrical system. | electrical system. |  |  |
|  |  |  |  |  |  |  |
| **Teacher Notes:** |  |  |  | **Total:** |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |  |