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| Sustainable Home Design Rubric | | | | | | | |
| Teacher Name: |  |  |  | | |  | |  |
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| Student Name:     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |  | |  |
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| CATEGORY | Excellent | Good | | Satisfactory | | | Poor |
| Home Design | Team designed an original structure. | Team used a predesigned structure with significant modification (exp. Adding/removing doors, windows, changing colors, etc.) | | Team used a predesigned structure with very minimal modification (exp. Reduced or increased the size) | | | Team has used a predesigned structure with no modification. |
| Radiation Analysis | Before and after solar radiation analyses are included and an explanation of modifications incorporated between the analyses is included. | A solar radiation analysis is included and explanations or relevant modifications is included. | | A solar radiation analysis is included and a simple list of relevant modifications resulting from the analysis is provided. | | | A solar radiation analysis is not included, or an analysis is included but design modifications were not made as a result of the analysis. |
| Model Home | A model of the home has been provided. The model is carefully constructed. Relevant landscaping has also been included. | A model of the home has been provided. The model is carefully constructed. | | A model of the home has been provided. The model is carelessly constructed. | | | A model of the home has not been provided. |
| Energy Performance Analysis | Three energy performance analyses are provided. A list of revisions incorporated between each analysis is provided. An explanation of the impact of each incorporated feature on energy consumption is provided. | Three energy performance analyses are provided. A list of revisions incorporated between each analysis is provided. | | Three energy performance analyses are provided, but revisions employed by the team between analyses are not present. | | | Fewer than 3 energy performance analyses are provided. |
| Efficient Features | 7 or more energy efficient features have been included in the design | 5-6 energy efficient features have been included in the design | | 3-4 energy efficient features have been included in the design | | | 2 or fewer energy efficient features are included in the design |
| Floorplan | House layout has been carefully planned, is logical, and unique. Includes furnishings and relevant labels. | House layout has been carefully planned and is logical. Includes furnishings. | | House layout has either been carefully planned or is logical, but does not include furnishings or relevant labels. | | | House layout is neither carefully laid out nor logical |