

TOTAL ____ / 50 Points

Name: _____

Student STEM Project: Design a Sustainable Building **PART 1**

- SOLO
- PARTNER: _____

Options: (Select ONLY one)

- Sustainable Building
- Large Scale Sustainable Energy Structure
- Sustainable Method of Transportation

Brainstorm:

What are the most important features you want your sustainable project to incorporate?

____ / 10 Points + ____ / 10 Points In Class Participation

Design Name: _____

Location: _____

LEED Certification Goal: _____

Renewable Energy Sources:

- Wind
- Hydro
- Geothermal
- Tidal
- Wave
- Solar
- Biomass

How will you work the selected renewable energy sources into your design concept? Where will these energy sources be located on the structure? Do they make sense with the overall global location where you plan to build? Explain.

____ / 10 Points

What 5 sustainable or energy efficient features do you plan to work into your design concept? Why?

____ / 10 Points

Sketch out or cut/ paste images to create a rough mockup of your design

____ / 10 Points