"Green" House Energy Plan – Project Rubric

Project Goal

1. The goal for the project is to design a home and an energy power source that are both Earth friendly. Materials are the responsibility of the student
2. The project will be **due on or before February 7, 2020**
3. Resources for research should include: class notes, handouts, and/or web resources.
4. The project should include the following information:

   a. A section or drawing detailing how energy is produced and brought into the home using a "green" or Earth friendly energy source

   b. A list showing a "look inside" of the home with the energy saving devices and/or technologies used – please label each device. I have a template if needed. (For Example: Energy saving appliances, insulation, fluorescent lighting, etc)

   c. A list outlining several energy conservation routines and practices (For example: light usage, hot water usage, etc)

   d. A list of consequences for using Non-renewable energy sources

DO NOT PRINT COMPLETED DIAGRAMS FROM THE WEB TO PUT ON YOUR POSTER

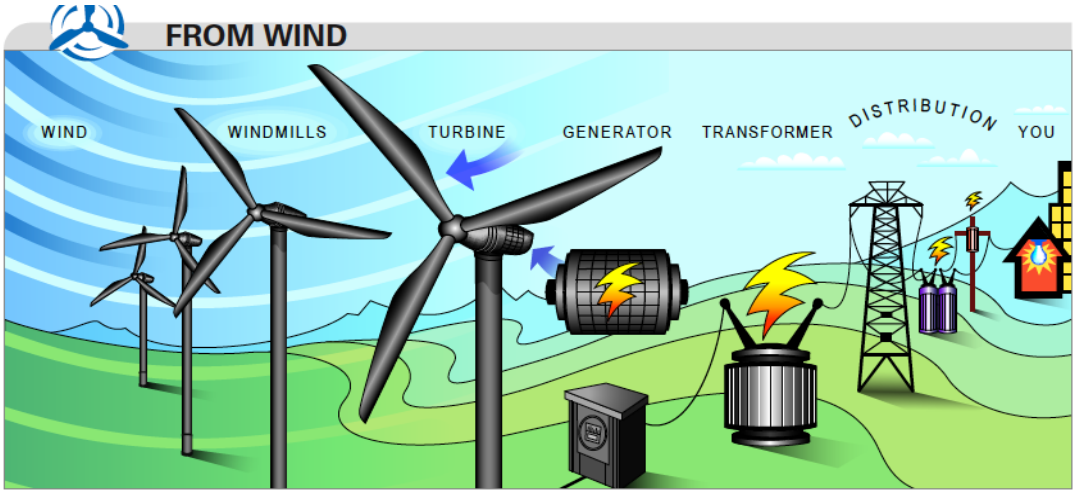
Options – only one format is required but can include a combination of the following:

1. The project can be completed on a poster or tri-fold (see second page for details)
2. Presentation format – (example: PowerPoint, Prezi, etc.)
3. The project can also be demonstrated through the use of models (physical or software)
4. A video of no more than five minutes may be created if it demonstrates **all** of the required elements. Must be in a format that will play on a computer – avi or wmv

Points	1	2	3	4
Energy diagram used for Generating electricity	Partial diagram only	Partial diagram and some explanation	Complete diagram with limited explanation	Complete diagram explaining how electricity is created and brought into the home
Energy conservation routines used in the home	2 or less energy conservation methods or procedures described	3 to 4 energy conservation methods or procedures described	5 to 7 energy conservation methods or procedures described	8 or more energy methods or procedures described
Energy conservation technologies used in the home	2 or less technologies	3 to 4 technologies	5 technologies	6 or more technologies
Nonrenewable energy consequences	One or less consequences	2 consequences	3 consequences	4 or more consequences
Presentation quality	Drawings or pictures with no labels or explanations	Colored drawings or pictures with no labels or explanations	Colored drawings and pictures with labels and explanations	Neatly colored drawings and pictures with labels and explanations

Example Sections

How electricity is generated and brought into the home



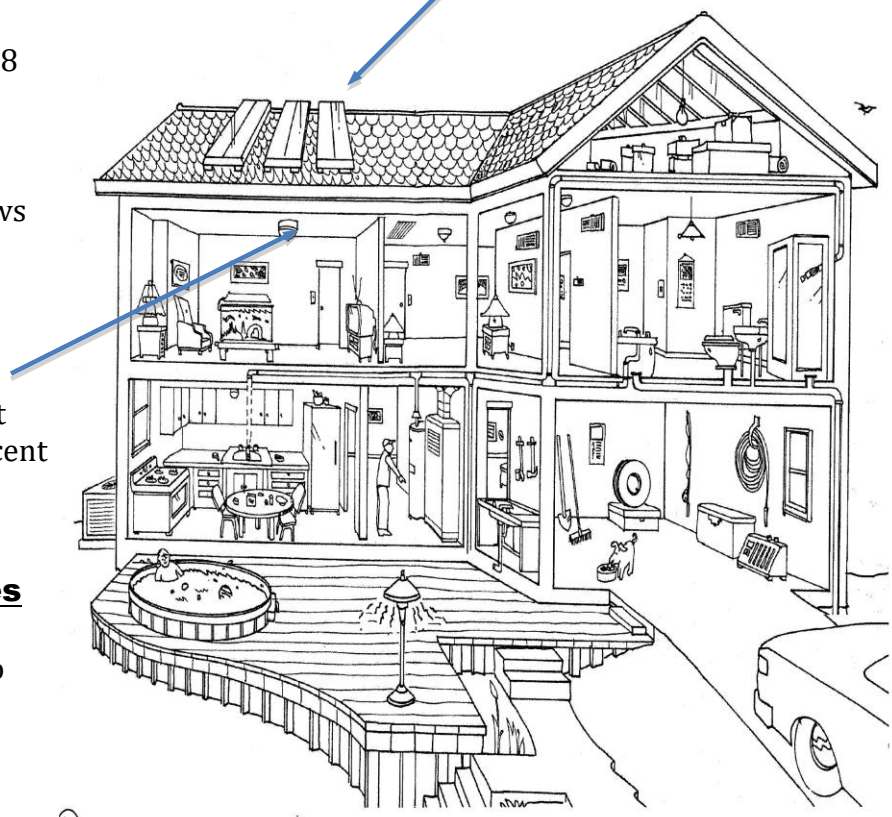
Energy saving devices and/or technologies used in the home

Energy Conservation routines and practices

1. Keeping home thermostat a 68 or lower in winter and 78 or higher in the summer.
2. Don't leave doors and windows open.
3. Etc,…….
4.

Solar Panels

Compact Fluorescent Lights



Nonrenewable Consequences

1. Release greenhouse gases into atmosphere. ……..
2. ……