**Exercise:   
Scoping the environmental impacts of your individual project (Collapse, Wave Energy, Safe Water, Balloon surveys) for an EIS**

**INDIVIDUAL ASSESSMENT**

NAME/ID: David Chen/z5117378 DEMONSTRATOR: Jackie

With respect to your project: Identify and list four activities likely to impact the environment and of concern needing to be addressed in an EIS. Identify and list four environmental factors (impacts).

1. Sourcing materials – From sourcing the materials such as wood to create the project, it is derived from cutting trees in the process which is detrimental to the environment. This is because the deforestation of trees without proper reforestation can be extremely damaging to the habitat and a profound effect on the atmosphere’s carbon dioxide. This is because tree absorb carbon dioxide and release oxygen that we as humans can breath.
2. Proper disposal of waste – From gluing together the materials, by using a hot melt adhesive (hot glue gun), it creates a dangerous residue which can be harmful to the environment. If the glue is cheap and not well made, it can be detrimental if not properly disposed as it can be absorbed by the environment. And because it is a plastic, it can have lasting effects on the environment, and can be dangerous to animals which may accidently consume it.
3. Noise pollution – During the testing of the truck hitting the project, it will create noise pollution. Because we are constantly ramming the car into the tower and also cutting parts out of the apparatus (the project), it will be creating more noise pollution in an already congested area.
4. Wastage of electricity – The use of the hot glue guns, research of designs and creation of models online all require electricity. This can have adverse effects on the environment as electricity could be harvested from coal which has to be mined. When mining for coal, there is a need for deforestation and the clearing of fauna which may be essential to the environment. Moreover, when changing coal into electricity, the process emits carbon dioxide which is hazardous to the earth’s ozone layer, hence, there is a necessity to find a more reliable and cleaner energy source.

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**GROUP ASSESSMENT**

GROUP NAME/NUMBER: DEMONSTRATOR:

As a group agree on six activities and six environmental values for assembly of a Leopold Matrix related to your project. Estimate the magnitude and importance of impacts and fill in the relevant cells of the matrix as described in the lecture.

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| Activities >>>>>  Impacts vvvv |  |  |  |  |  |  |
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