

Part I: Situation

You are a Secondary One student who likes reading science magazines about new inventions and is committed to protecting the natural environment. One day, you and your friend saw the following poster and would like to compete for the \$5000 start-up fund to develop a gadget which is both environmentally-friendly and can help save the Earth.

Super Green Invention Competition

Mr. Earth is sick! Let's join hands to save Him!

- 1) Aim:
To help fight against problems caused by pollution and adverse climatic change such as the greenhouse effect and to protect our natural environment.
- 2) Who to enter:
Young Scientists aged 11 to 20.
- 3) How to Enter: Design a gadget that is environmentally-friendly **on pair work basis** and present the gadget in the form of
 - i) an information leaflet (150-180 words)
 - ii) a PowerPoint presentation (2-3 minutes)
- 4) Prize: A cash prize of \$5000 for manufacturing the gadget
- 5) Deadline: 6 July 2018

Part II: How to Enter the Competition

Instructions: To enter this competition and win the cash prize, you must form a team with a partner and complete the following tasks:

A. Design a super environmentally-friendly gadget

Please refer to P.4 – P.6 of this set of handouts.

B. Conduct an oral presentation of the product which includes:

- a PowerPoint presentation of the gadget (2 to 3 minutes) with the support of the information leaflet.

C. Attend a consultation meeting with the Science teachers

At the meeting, you will be requested to introduce your new invention to the Science teachers and seek their advice on how to improve the design of your gadget.

Super Environmentally-Friendly Gadget Design Blueprint

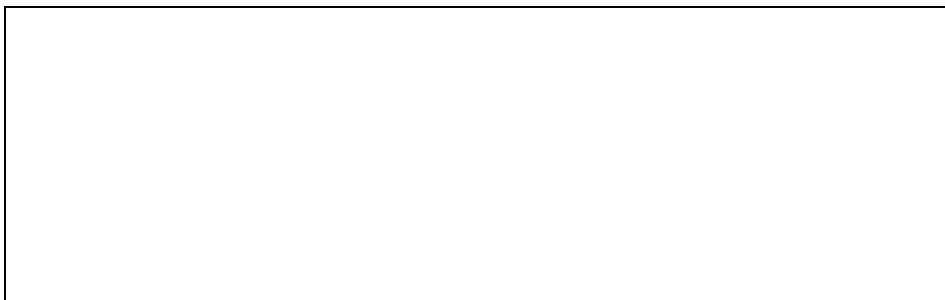
In order to tackle the environmental problem you and your team member have identified, design a gadget that can help protect the natural environment. You may use the following design blueprint to help you.

Super environmentally-friendly gadget

•Name of the gadget:

•Function(s) of the gadget:

•How the gadget addresses the environmental problem we are facing:



A Rough Draft of the Gadget

Description of the Gadget:

Features of the Design	Function(s) of Each Feature
•Size:	
•Shape:	
•Colour:	
•Material(s) used:	
•Cost:	
•Others:	