

Drastic Plastic (Activity 3) 檔名請用班級座號姓名，如 40620 孫小明

My Class:

My Name:

※禁止複製網路文章，繳交作業！

Goal of the activity:

This activity gives us the chance to develop awareness of the problems of plastic pollution in the oceans.

學習策略：閱讀網路資料 (中文先，英文後) --> 統整不同網站之網路資料--> 繕寫到學習單上 (同學可輸入關鍵字網路查詢)

問題	內容	網路資源
1. Where does plastic come from?	The plastic comes from ...	Where does marine plastic come from? 1. https://www.ecowatch.com/80-of-ocean-plastic-comes-from-land-based-sources-new-report-finds-1891173457.html 2. https://www.marinelitterthefacts.com/sources 3. https://oceantoday.noaa.gov/trashtalk_wheredoesmarinedebriscomefrom/
2. Why does it end up in the ocean?	The reason why plastics end up in the ocean is that...	Marine currents and gyres (Plastic Adrift) 1. http://plasticadrift.org/?lat=28.6&lng=-28.7&center=-4.9&startmon=jan&direction=fwd 2. https://www.sciencenewsforstudents.org/article/plastic-trash-rides-ocean-currents-arctic
3. Identify the ocean currents and gyres and understand how they contribute to the movement of plastic.	The ocean currents and gyres ... They contribute to the movement of plastic by ...	Micro-plastics and Nano-plastics: https://www.wur.nl/en/Dossiers/file/Microplastics-and-Nanoplastics.htm Effects of micro-plastics and nano-plastics on marines: https://phys.org/news/2013-11-microplastic-pollution-effect-ocean-ecology.html
4. What do the terms micro-	Micro-plastics are...	Links: - Life cycle of a plastic bottle video - Life of a plastic bottle video - Carbon footprint of a plastic bottle

plastics and nano-plastics mean?	Nano-plastics are...	
5. What are the effects these have on the marine ecosystems?	The effects on the marine ecosystem contain...	Internet resources: http://yourenergysavings.gov.au/information/plastics
6. What are the detrimental effects plastic has on marine wildlife?	The detrimental effects plastics has on marine wildlife are ...	1. http://www.dw.com/en/is-marine-plastic-pollution-a-threat-to-human-health/a-39161868 2. http://www.plasticpollutioncoalition.org/pft/2015/8/21/plastic-impacts-on-marine-environment
others		

任務：

1. 1:10-1:40 個人探索
2. 1:30-2:00 小組討論
3. 2:10 上台分享