

# Workshop #4 Design a Plastic Recycling Process

## Purpose

To use the information students have learned from workshops #1 through #3 to undertake an open design process to design a recycling process for plastic recycling. Through this design process students should learn some creative thinking and also how to represent and defend their ideas and undertake group decision making (This is very similar to how engineering design processes work)

## Safety

- No safety issues

## Materials

- Drawing materials for students:
  - Butchers paper and markers; and
  - Whiteboard and whiteboard markers;
- Reference handouts on plastic density that the students completed from Workshop #3;

## Setup

- Materials ready.

## Approach/Timing

Time	Duration (min)	Task	Description
1400	5	Introductions/Welcome	Students into groups and grab all the equipment.
1405	25	Design process	Coordinators to move amongst groups.
1435	20	Design 'briefs' and decision.	All teams to come together and 'present' their ideas to the group. Then group is to decide what design is best.
1450	5	Clean up / Pack Up	
1455	0	Back to Class / Finish	