

YOUNG FRIENDS OF ENVIRONMENT

AMBASSADORS FOR SUSTAINABLE DEVELOPMENT

Transforming challenges into opportunity

Guideline for participating in Eco - Engineering Product Program

This activity will encourage students to reuse or *upcycle** items that would normally be thrown away into functional items, clothing or decorative items. The theme of **activity this year will be and Innovations in the field of Science & Technology/ Environment.**

Students participating in the activity are invited to participate in **MASS Exhibition - Motivate and Attracts Students to Science.**

*Up-cy-cyle (*verb*) to reuse discarded objects or materials to create new products for better environmental value

Students will have the opportunity to display and/or demonstrate their creativity model at the Eco-engineered Products Display / Model Display at “**MASS**” **Exhibition**

Objectives:

- 1) Students will learn the value of reusing and up cycling items instead of buying new all while showing off their creativity.
- 2) Students will have the opportunity to demonstrate, display or model their up cycled products made from recyclable materials (e.g., newspapers, water bottles, containers, aluminum foil, etc.)

Materials required:

Old clothes, newspapers, plastics, aluminum foil, and any other items which are normally thrown out or are no longer of use.

Procedure:

Before the Exhibition:

- Students work with their research project teams to create products that are either functional or decorative in nature. These can be made from multiple pieces to form interesting items.
- A few examples include creating:
 - Wallets from duct tape and cardboard.
 - Bracelets from old snack bags.
 - Origami animals and plants from scrap paper.
 - Beads for a necklace out of old magazines or junk mail.
 - A backpack or purse out of old jeans.
 - flower pins or headbands from fabric scraps.
 - Small desk-top animals out of scrap metal or aluminum foil.
 - A shirt out of several old shirts.

The MASS Exhibition:

- Students will share their up-cycled creations in a creative, fun event during this exhibition.
- Students can participate as individuals or project teams to demonstrate, display or model their eco-engineered products during the *MASS Exhibition*.

Eco-engineered Products Display Main objectives (takeaways, learning objectives):

- Sell, donate, or otherwise re-purpose usable clothing and household goods; don't throw them in the trash.
- It's cool to shop used first! Before you buy a new item, think about whether you could get it used.
- You can make creative items from reused materials.

The best waste is that which is not produced!!