

GLOBE Eco-engineered Products Show

Students attending the 2014 GLE are invited to participate in a *GLOBE Eco-engineered Products Show*. This event encourages students to reuse or *upcycle* items that would normally be thrown away into functional items, clothing or decorative items.

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

At the GLE, students will have the opportunity to display, demonstrate and/or model their creativity at the GLOBE Eco-engineered Products Show.

Objectives:

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

Participants: Students participate in their research project teams

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 GLE:

- 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.

Tips:

Students can:

- Use multiple pieces of clothing, such as pants, jeans, shirts, jackets, sweaters, socks, etc., to create a new piece of clothing.
- Ask fellow students or teachers to bring in items they no longer need or visit local thrift or second-hand stores that sell reused goods.
- Create a theme, such as outfits inspired by scientific discipline, music, movies, cartoons, parts of the world, the environment, etc.

The GLE Eco-engineered Products Show

GLE students will share their upcycled creations in a creative, fun event. During this event:

- ✓ Students can participate as individuals or project teams to demonstrate, display or model their eco-engineered products during the *GLE Eco-engineered Products Show*.
- ✓ Certificates will be awarded.

Eco-engineered Products Show 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!!