



# SUSTAINABLE E-WASTE Design Competition



## PROJECT ABSTRACTS

### Art/Designer Category

**Team Number:** 10

**Category:** Artist / Designer

**Project Title:** Project E3 (E-Filter, E-Frame, E-Page)

**Team Members:** Reza Shiftehfar, Megan Kenney, Holly Roe, Monica Czarny, Bryan Dewhurst

#### Project Description:

**E-Filter:** E-wastes are the fastest growing component of the modern world. They are toxic and cannot be dumped in landfills but if used innovatively can even help the environment. Our E-flow air filtration system is designed solely from e-waste materials. It uses solar e-wastes to generate power and purifies the air from smoke, odor, toxins & dust by passing it through several designed filters. The system is also equipped with an Oxygen Generation Module which absorbs CO2 from the air while releasing pure oxygen. This module is made from recycled materials, and serves as an aesthetic sculpture for the room as well as a home for algae inside.

**E-Page:** E-wastes are left an average of 3.5 years sitting around the house before being given away. One of the concerns is privacy of data. Why not to use the e-waste by yourself? Don't know how? Don't worry. Check our e-waste-recycling-ideas website (<http://e-waste-recycle-idea.blogspot.com/>) Use these simple ideas to use your old electronics, enjoy creating your new stuff by yourself, feel green and share your new ideas with others.

**E-Frame:** Doesn't it feel weird to give away your old laptop just because 1-2 parts are damaged when you have paid thousands of dollars for it just several years ago? Did you know that a high resolution digital photo frame of 15 inches costs more than \$500? Why not create one by yourself!? We designed an e-frame; a digital photo frame which displays photographs and movies in high resolution with voice! The e-frame is created out of old laptop parts (at least 3 totally damaged laptops were combined), and a cardboard game box. Suddenly,

Project Abstracts

#### Artist / Designer

+QWERTY

+Tourist Kiosk

+Weave Lamp

+WHENCE

+Penta-Chair

+Project E3

+Campus Internet Kiosk

+Seedling keys

+Affordable Developing  
Country Server/  
Workstation Network

+Community Projector

+Digital Address Book  
for the Baby Boomer  
Generation

+E-waste

Collecting Station

+Mobile Phone  
Digital Lock

**Technical / Geek**

+EcoModule: a fungible,  
eco-friendly learning  
experience

+The E-Wave

+Centuria

+E-Waste  
Hydroponics Farm

+e-Waste Kool Kiosk

+Control Your Energy

+CompuTable

+Recycling Kiosk

what seems like a collection of junk is turned into a piece of astounding aesthetic that shares everlasting memories with all who view it.



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