**PROJECT ABSTRACTS**

*Art/Designer Category*

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**Team Number:** 13  
**Category:** Artist / Designer  
**Project Title:** Seedling Keys  
**Team Members:** Jiana Seo, Jennifer Kuo, Jacqueline Min

**Project Description:**

The Seedling Keys is a project that focuses on the recycle and reuse of traditional computer keys. To begin, keys are repackaged into individual units where seeds are imbedded with a portion of soil. The base is composed of a layer of biodegradable material. The keys would be sold in a unit of four, and
packaged by recycled paper. The wrapping will have an open slot showing the
tops of key lids, exposing the seed types. Every key lid is lined with magnets
cover by graphic representation of the plant type contain within. Furthermore, a
giant key structure made 90% from keyboard backing, including a layer of
magnetized metal sheets, also found in keyboards, is the final structure where
the seedling keys can be planted. It contains an internal structure with soil and
water chambers that supports a wicking system, a semi-self watering system.
The wicking system is made of nylon strings and a segment of wire tubing, which
is utilized to facilitate this feature. The giant key structure is designed to fit 16
single keys. It is also linked with a recycled USB cord, which powers lights
situated on the top surface of the giant key, and generates a conceptual user
interface on to their computer. If the USB cord is connected to a computer, a
program will generate a report from a sensor situated in the soil chamber,
providing data regarding soil condition, water level, plant health and other crucial
information to the plant life.