

## ACTIVITY 4: E-Waste Recycling

### Activity Objective:

**Definition:** E-waste is waste from electronic devices and components of electronic devices. This has become a growing problem with the proliferation of electronic devices, accounting for 20-50 million metric tons of global waste per year according to the EPA. Many recyclers do not recycle e-waste responsibly. When barge Khian Sea dumped 14,000 metric tons of toxic ash in Haiti, the Basel Convention was formed to stem the flow of hazardous substances into poorer countries. They created the e-Stewards certification to make sure that recyclers are held to the highest standards for environmental responsibility and to help consumers identify responsible recyclers.

**REVIEW VIDEOS: Recycling E-waste** <https://www.youtube.com/watch?v=w0ikFMTuS9c>

**E-waste recycling:** <https://www.youtube.com/watch?v=uSvfun8FC-c>

**Waste electronics – how they are recycled** <https://www.youtube.com/watch?v=RaKLgovVkJQ>

**Materials:** Chapter 4, E-Waste items on campus or at home, paper, computer, printer, Internet Access

### Procedure:

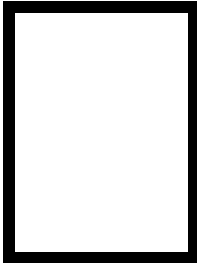
1. Work as partners or small teams
2. Locate different type of E-Waste on campus or at home and determine if there is a proper E-Waste Recycling program being used to recycle these materials
3. Use the below two column chart and identify the E-waste and how to recycle it
4. Write a short comparison essay on the proper way to recycle different types of E-Waste

E-WASTE	Recycle Process



RUBRIC

<b>4 World-Class Learner</b>	<b>3 Proficient Learner</b>	<b>2 Developing Learner</b>	<b>1 Emergent Learner</b>
Learner at this level has gone beyond mastery of knowledge, skills, & attitudes described in project. World-class learner consistently exhibits high-quality performance.	Learner at this level has had opportunities to apply knowledge, skills, & attitudes of component of project. Proficient learner has mastered essential attributes, thus proving mastery.	Learner at this level has been exposed to & had opportunity to apply knowledge, skills, & attitudes of project. Developing learner may have only a few essential attributes to master before mastery.	Learner at this level may or may not have been exposed to knowledge, skills, & attitudes required by academic standards of the project.



- 1= Emergent Learner
- 2 = Developing Learner
- 3 = Proficient Learner
- 4 = World-Class Learner