

# HBCSD TECHNOLOGY LESSON PLAN

## 6th GRADE (Lesson 2)

**Grade Level - 6**

**Lesson Title - Human Impact on the Environment Song**

### Standards

#### Common Core State Standards (CCSS)

[CCSS.ELA-Literacy.WHST.6-8.7](#) Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.

[CCSS.ELA-Literacy.WHST.6-8.8](#) Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.

#### Next Generation Science Standards (NexGen)

\*Based on draft standards, pending CDE approval

[Science MS-ESS3-3](#) - Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment

### Technology Competencies

- Computer Identification/Skills 3-9
- Application Skills 10-18
- Word Processing 19-27
- Research/Information Access 44-47
- Societal/Ethical Issues 48-52

### Purpose

Students will use technology to create and record a song related to how humans need to monitor and minimizing the impact they have on the environment.

### Resources

<http://www.nationalgeographic.com/eye/impact.html>

<http://www.erdas.co.uk/reducing-the-human-impact-on-the-environment.html>

<http://www.instructables.com/id/100-Ways-to-Reduce-Your-Impact/?ALLSTEPS>

<http://www.mp3sheriff.com/play/eFUxbHd2MG1qWmc/trash-is-cash-by-t-s-1.html>

### Supplies

- Free recording studio software like GarageBand or MixCraft
- Network computers
- Microphones
- Speakers

### Direct Instruction

1. Define human impact on environment and give examples
2. Discuss different kinds of reasonable solutions

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### Guided Practice

1. Divide students into small groups
2. Students research different kinds of reasonable solutions to monitor and minimize human impact on the environment
3. Students design one method to monitor and minimize human impact on environment
4. Students create a song related to their design
5. Students use the free recording studio software to create an audio version of their song including instrumentals

### Differentiated Instruction

- EL - allow proofreading by either teacher or student mentor, allow for primary language inclusion on part of the song
- GATE - expand into a travel agency where students can role play and encourage others to visit different civilizations

### Assessment

Rubric should be provided prior to guided practice. Teacher can grade based on content accuracy, entertainment value, and completion.