

“Be a STEM Teacher”⁸

Job Task:

You are a science, technology, engineering, and math (STEM) teacher! Colony Collapse Disorder was identified in 2006. It is the phenomenon that occurs when the majority of worker bees in a colony disappear and leave behind a queen, plenty of food and a few nurse bees to care for the remaining immature bees and the queen. Colony Collapse Disorder remains the subject of continually evolving new theories. Your job is to research collected data on Colony Collapse Disorder, a real-world problem, and create a brochure using graphs and key facts to educate the population on Colony Collapse Disorder and what can be done to save the honeybees.

Time Frame: 1-2 hours

Materials:

- Laptop or other device used for research
- Books about Honeybees and Colony Collapse Disorder
- Articles about Colony Collapse Disorder
- Materials for brochures

Procedure:

1. Divide the students into groups of 3-4 to work on the project.
2. Students should conduct research to collect knowledge and content information about Colony Collapse Disorder.
3. While conducting the research, students should collect data that they can use to explain the phenomenon. Students should organize the data that they collect into tables and/or graphs. (<https://www.trythisteaching.com/2014/05/pop-up3d-graphs/>) Each group should create a brochure using the data and information that was collected.
4. Groups should communicate their findings with the class and present the brochure and graphs that were developed.

⁸ Adapted from “Sparking Curiosity and Solving Real-World Problems” - www.edutopia.com