



# Humane Mouse Traps

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## LESSON OVERVIEW

To promote equality and to conceptualize a topic for students we will create a STEM for social justice project demonstrating how to present social justice and active learning in the classroom. Students will complete a project regarding humane mouse traps. This project will involve students working in science and mathematics. This promotes equity and social justice allowing for safety of the mice and the overall ecosystem. Dead mice are a safety risk to homes and families, and using poison could endanger drinking water or other aspects of the environment.

## STUDENTS

This STEM activity for grades 7-12 supports content standards ENV.ER.3 and ENV.ER.4. Students choose their own materials for designing alternative pest control solutions. Protecting the planet is inherently relatable to everyone. This STEM unit empowers students to become stewards in their communities.

## STEM INTEGRATION

### Science

Students will learn about soil and water contaminants in the form of chemical mouse traps.

### Technology

Students will perform research in relation to humane and inhumane traps. The teacher uses a powerpoint to display the material.

### Engineering

Students are testing a mousetrap and adjusting their design based on the outcome.

### Math

Students will represent quantitative data on a scatter plot and determine if the variables are related.

## SOCIAL JUSTICE

Inhumane mouse traps, specifically poison, pose risks to humans and the environment. Teaching students about alternative engineering-based solutions allows them to examine ethical and environmental implications while promoting affordability and accessibility. Empowering students with environmentally conscious choices fosters social justice in conservation.

## MODELS

