Field of Genes: Making Sense of Biotechnology in Agriculture

Target Audience: Grades K-12

Description: This leader's guide helps teach children and youth about the complexity of life, from the smallest one-celled protozoan to the multi-billion-celled human, in the context of agriculture and biotechnology. The program encourages youth to make a commitment to use natural resources responsibly for the sake of their communities and the world around them. It also helps youth examine their own values and opinions about contemporary issues. Children ages 5 - 8 focus on understanding the living and nonliving parts of their world. Children ages 9 and up continue to explore and understand genetics, biotechnology and genetic engineering. Older youth define, describe and plan environmental stewardship activities related to biotechnology and the environment.

Skill areas:

- Investigation
- Evaluation
- Critical thinking and judgement skills

Contents:

- Chapter One: The Great Big World
- Chapter Two: The Cell
- Chapter Three: Genetics
- Chapter Four: Agriculture and Biotechnology
- Chapter Five: Interpreting Biotechnology

This curriculum can be purchased for $5.00 or borrowed from your local County Extension Office.