

Agriculture...Where Does it Fit?

Seventh Grade

- **Cells:** Discover the basic structural unit of all living things and analyze how cells work together to function as a system
- **Reproduction & Inheritance:** Describe how inherited traits affect the structure and function of plants and animals
- **Utah's Geography:** Examine the interrelationship between Utah's climate, location, landforms, and life; investigate the relationship between physical geography and Utah's settlement, land use, and economy
- **Agriculture in Utah:** Identify the importance of farming and ranching to Utah's economy; explain the impact of the Great Depression on farmers and agriculture
- **Natural Resources:** Explore how natural resources sustain and enhance people's lives; distinguish between renewable and nonrenewable; explain the importance of protecting and preserving natural resources
- **College & Career Awareness:** Explore careers, education, and training related to plant and animal systems, natural resources, food and fiber, and STEM concepts
- **Health:** Explain how the United States Department of Agriculture's Seven Dietary Guidelines and most recent MyPlate can enhance proper nutrition

Eighth Grade

- **Natural Resources:** Discuss evidence about the effect of per capita consumption of natural resources on Earth's systems; emphasize that resources are limited and may be nonrenewable
- **Life Systems:** Discover how living things use energy from their environment to sustain life
- **American Expansion:** Identify significant advances in industrial technology and discoveries of vast natural resources during westward expansion
- **Industrial Revolution:** Explain the economic and geographic impact of the early industrial revolution's new inventions such as the cotton gin

High School

- **Ecosystems:** Explain how living organisms interact with one another and the environment; research food production in various parts of the world; evaluate the impact of personal choices in relation to the cycling of matter within an ecosystem; research and assess local and global practices that affect ecosystems
- **Earth's Resources:** Identify the importance of natural and human resources; describe the roles of natural and human resources in daily life; compare and contrast the use of renewable and nonrenewable resources
- **Cells:** Investigate the structure and function of cells and cell parts; experiment with microorganisms and/or plants to investigate growth and reproduction
- **DNA:** Explain how DNA is essential to heredity; discuss genetic technologies that may improve quality of life (e.g., genetic engineering, cloning, or gene splicing)
- **U.S. History:** Discuss the impact agriculture had on the history and culture of the United States
- **Great Depression:** Explain the impact of the Great Depression on the United States
- **World War II:** Explain the impact World War II had on the American home front
- **Economics and Politics:** Analyze the economy of the contemporary United States; discuss how politics was changed by the end of the Cold War

