Agricultural Science - 0132

Surveys a wide array of topics within the agricultural industry, exposing students to the main and varied types of agricultural career opportunities and to those in related fields. This course serves as stage two, building upon the seventh-grade class.

Exploring the History and Organization of the FFA

Discovering Opportunities in FFA

Determining FFA Degrees, Awards and CDE's

Understanding FFA Officer Duties and Responsibilities

Determining Benefits of the SAE

Keeping SAE Records

Kinds of SAE's

AET Record Keeping Systems

Introduction To Communication

Understanding Effective Communication Techniques

Determining the Nature of the Agriculture / Horticulture Industry

Understanding the Importance of Agriculture to Society

Determining the Kinds of and Importance of Natural Resources

Understanding Ecosystems

Understanding World Agricultural Production

Understanding Agriculture Science and Technology

Conducting Agricultural Research

Understanding the Basics for Biotechnology Research

Recognizing the Agricultural Applications of Biotechnology

Determining the Role of Science and Technology in Ag Production

Using English and Metric Measurements

Determining Area & Volume

Understanding Problem Solving

Developing Transition Skills in Ag / Hort Occupations

Describing Ethics in Agribusiness

Determining Nature of Soil

Practicing Lab Safety

Identifying Agri-Science Lab Tools

Exploring Cells

Exploring Genetics

Examining Mitosis and Meiosis

Using Crossbreeding and Hybrids

Classifying and Naming Plants

Examining Flowers and Fruits

Identifying Plant Types and Uses

Determining the Importance of Photosynthesis and Respiration

Managing Plant Pests

Using Soils and Growing Media

Determining Plant Nutrients and Fertility

Propagating Plants Sexually

Propagating Plants Asexually

Identifying Differences Between Plants and Animals