

Growing Careers in the World of Agriculture

Introduce your students to the essential world of agriculture, providing a strong foundation for those exploring careers in this dynamic field. With comprehensive coverage and engaging content, this first edition—available in both print and digital formats—features:

Rich, Up-to-Date Content: Students explore current agricultural systems, plant and animal science, innovative technologies, environmental stewardship, agribusiness, and career pathways.

The Broader Impact of Agriculture: Emphasizing global food needs, resource conservation, and economic development, the program connects students to the vital role agriculture plays in the world.

Active, Career-Connected Learning: Real-world examples, career spotlights, and hands-on activities inspire students to develop critical skills for the agricultural workforce, including communication, leadership, and problem-solving.

Key Features

- Explore Modern Agriculture:** This brand-new program introduces students to the latest advancements in animal and plant science, agricultural careers, sustainability, processes, and technologies.
- Aligned to AFNR and FFA Goals:** Content supports the National AFNR standards and helps prepare students for a successful Supervised Agricultural Experience (SAE) and National FFA Organization agriculture and leadership activities.
- Purposeful Chapter Openers:** Each chapter begins with an Essential Question, Objectives, and a Reading Guide to spark curiosity and set clear learning expectations.
- Built on Learning Science:** Knowledge retention and skill application is the focus through vibrant visuals, reading checks, reviews, and meaningful assessments.
- Career-Connected Learning:** Students are exposed to a wide range of agricultural career options along with the academic and hands-on skills required for success.

Chapter 2

Supervised Agricultural Experience (SAE) Program

Essential Question

As you read this chapter, keep this question in mind:
How do I develop an SAE project that is right for me?

In this chapter, you will learn about developing SAE projects. SAEs are an important part of your agricultural education. SAEs combine what you learn in the classroom with what activities you experience in the field. You will learn the role of SAEs in agricultural education and be able to understand the values they provide for developing certain skills that you can apply in the real world. You'll go through each step of creating, executing, and presenting an SAE project. Finding the right SAEs for you may take some time. You might even try different internships or change what you want to research. You will have the opportunity to learn how to develop SAEs that are right for you and your career path.



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Careers and Basics of Agriculture

Print | Digital | Mobile

Chapter 1	Introduction to Agriculture, Food and Natural Resources
Chapter 2	Supervised Agricultural Experience (SAE) Program
Chapter 3	Agricultural Leadership and Communication
Chapter 4	Global Agriculture
Chapter 5	Plant Systems
Chapter 6	Introduction to Animal Science
Chapter 7	Animal Production
Chapter 8	Ethical Considerations and Managing Animal Welfare
Chapter 9	Food Science and Technology
Chapter 10	Power, Structural, and Technical Systems
Chapter 11	Information Technology in Agriculture, Food, and Natural Resources
Chapter 12	Environmental and Natural Resources
Chapter 13	Exploring Careers in Agriculture
Chapter 14	Interpersonal and Business Skills for Agricultural Professionals

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Dynamic Online Resources

- SmartBook® delivers personalized, adaptive learning tailored to student progress
- Flash cards help students study essential vocabulary
- Rich assessment supports learning objectives
- Extensive soft skills activities and an exploratory Career Center make students future-ready
- An interactive eBook with powerful study tools along with a mobile app helps with studying on the go

Available in print and 1- to 8-year digital and bundle subscriptions

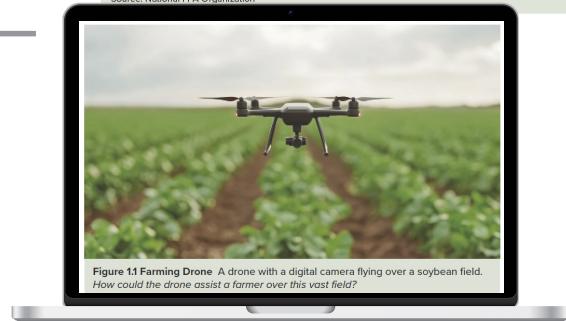
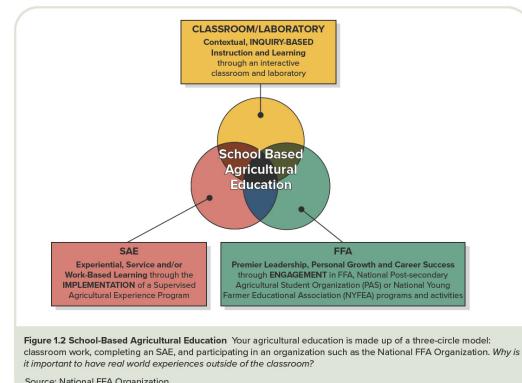


Figure 1.1 Farming Drone A drone with a digital camera flying over a soybean field. How could the drone assist a farmer over this vast field?



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