

# Exploring Agriculture Science and Business Ed: Grade 5, 6, 7, 8

## Content Standards

- 1. Students are able to see the importance of developing leadership skills and how The National FFA Organization (FFA) can be a critical component of a well-rounded agricultural education.**
  - A Recognize and explain the role of FFA in the development of leadership, employability, communications and human relations skills [EA.1.1](#)
  - B Develop an understanding of the history of The National FFA Organization [EA.1.2](#)
  - C Identify and understand personality types to be able to work with others effectively on a team [EA.1.3](#)

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- 2. Students see the importance of a Supervised Agricultural Experience (SAE) program and how it is a critical component of a well-rounded agricultural education.**
  - A Explain the nature of and become familiar with those terms related to an SAE program [EA.2.1](#)
  - B Explore the numerous possibilities for an SAE program which a student might develop [EA.2.2](#)
  - C Understand and apply basic record keeping skills [EA.2.3](#)

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- 3. Students have an understanding of plant and soil science and how it relates to the agricultural industry.**
  - A Understand basic needs of plant growth from germination to soil fertility [EA.3.1](#)
  - B Explore and recognize the importance of plant and soil science as it relates to the agricultural industry [EA.3.2](#)
  - C Identify and describe basic plant structures and their roles within the plant [EA-3.4](#)  
Identify basic soil properties [EA.3.3](#)
  - D Explore the importance of biotechnology as it relates to feeding a growing world population. [EA.3.4](#)

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**4. Students gain an understanding of preserving and replenishing our natural resources through natural resource management.**

- A Identify renewable and nonrenewable resources and how they relate to everyday life [EA.4.1](#)
- B Explore the interaction between local natural resources and the economy [EA.4.2](#)
- C Understand the relationship between wildlife habitats and human population [EA.4.3](#)

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**5. Students gain an understanding of the importance of the animal industry.**

- A Share and explain the care and management of various animals in the livestock and companion animal industries [EA.5.1](#)
- B Understand the relationship between wildlife habitats and human population [EA.5.2](#)
- C Explain common uses of animals [EA.5.3](#)
- D Identify common species and/or breeds of livestock [EA.5.4](#)

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**6. Students recognize basic economic principles and how they relate to agricultural business management.**

- A Recognize the influence of social media as it relates to agricultural businesses [EA.6.1](#)
- B Define agritourism and how it affects the agricultural industry [EA.6.2](#)
- C Apply principles of personal finances that are used in everyday life [EA.6.3](#)

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**7. Students examine components of the food science industry and how they relate to agriculture.**

- A Explore how various foods are grown and processed through the concept of farm to plate. [EA.7.1](#)
- B Apply concepts of MyPlate to a balanced diet for all ages [EA.7.2](#)
- C Recognize food safety principles and management techniques [EA.7.3](#)

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**8. Students gain a basic understanding of agricultural power, structure, and technical systems.**

- A Recognize and apply safety principles as they relate to agriculture and everyday life [EA.8.1](#)
- B Identify and understand the uses of various hand and power tools [EA.8.2](#)
- C Explore modern technology applications within the agriculture industry [EA.8.3](#)

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**9. Students examine the scope of career opportunities in and the importance of agriculture to the economy.**

- A** Evaluate the nature and scope of agriculture in society and the economy **EA.9.1**
- B** Describe career opportunities and means to achieve those opportunities in agriculture **EA.9.2**
- C** Explore those qualities, attributes, and skills necessary to succeed in a chosen agricultural career **EA.9.3**