



Introduction to AFNR (Agriscience)

Career Cluster	Agriculture, Food and Natural Resources
Course Code	18001
Prerequisite(s)	None
Credit	.5 or 1
Program of Study and Sequence	Foundation Course – Introduction to Agriculture, Food & Natural Resources – Pathway Course
Student Organization	National FFA Organization
Coordinating Work-Based Learning	Job shadowing, mentoring, internships, entrepreneurship, service learning, workplace tours, apprenticeship, school-based enterprises, Supervised Agricultural Experience (SAE)
Industry Certifications	OSHA 10 Hour Safety Certification (Agricultural, Construction Industry, or General Industry)
Dual Credit or Dual Enrollment	None
Teacher Certification	Agriculture Food and Natural Resources Cluster Endorsement; *Agriculture Education
Resources	

Course Description:

This course allows students to study a variety of agricultural topics throughout the six Agriculture, Food, and Natural Resources pathways. It serves as an introduction to much of the coursework included within the AFNR cluster. Application of clinical and leadership skills are provided by participating in FFA activities, conferences, and skills competitions such as the Career Development Events and proficiency awards. Classroom and laboratory content may be enhanced by utilizing appropriate equipment and technology. Algebra, biology, English and human relations skills will be reinforced in the course. Each student will be expected to maintain a Supervised Agricultural Experience (SAE).

Program of Study Application

Introduction to Agriculture, Food & Natural Resources is a cluster course in the Agriculture, Food and Natural Resources cluster. Introduction to Agriculture, Food & Natural Resources would be preceded by a Foundation Course, and would prepare a student to take a first-level course in any of the Agriculture, Food and Natural Resources pathways.

Course Standards

ITA 1 Examine the role of FFA in agricultural education programs.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	ITA 1.1 Summarize the history and organization of FFA.	
One Recall	ITA 1.2 Explore opportunities in FFA.	
Two Skill/Concept	ITA 1.3 Demonstrate proper use of parliamentary procedure.	

Notes

ITA 2 Describe the types of Supervised Agricultural Experiences.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	ITA 2.1 Evaluate the benefits and types of SAE programs.	
Three Strategic Thinking	ITA 2.2 Develop a profile within Ag Career Network or Ag Experience Tracker.	

Notes

Career Cluster: AFNR

Course: Intro to AFNR

ITA 3 Discuss the concept of natural resources.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	ITA 3.1 Classify different types of natural resources in order to enable protection, conservation, enhancement, and management in a particular geographical region.	

Notes

ITA 4 Describe the animal science industry.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	ITA 4.1 Examine the animal science industry.	
Two Skill/Concept	ITA 4.2 Analyze historic and current trends impacting the animal science industry.	

Notes

Career Cluster: AFNR

Course: Intro to AFNR

ITA 5 Describe plant structure and function.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	ITA 5.1 Examine the plant science industry.	
Two Skill/Concept	ITA 5.2 Analyze historic and current trends impacting the plant science industry.	

Notes

ITA 6 Summarize basic economic principles.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	ITA 6.1 Apply management planning principles in the AFNR business.	

Notes

Career Cluster: AFNR

Course: Intro to AFNR

ITA 7 Discuss basic food science technology.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	ITA 7.1 Illustrate how raw commodities become table-ready food products.	

Notes

ITA 8 Use basic principles of agricultural systems technology.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	ITA 8.1 Execute basic principles involved in agricultural systems technology.	

Notes

ITA 9 Develop employability skills related to the AFNR cluster.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	ITA 9.1 Develop soft skills to enhance employability.	

Notes