



Middle School AFNR

Career Cluster	Agriculture, Food and Natural Resources
Course Code	18000
Prerequisite(s)	None
Credit	.5 or 1
Program of Study and Sequence	Foundation Course – Middle School Agriculture, Food & Natural Resources – Pathway Course
Student Organization	National FFA Organization
Coordinating Work-Based Learning	Job shadowing, mentoring, service learning, workplace tours, 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:

Middle School Agriculture, Food and Natural Resources 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. Middle school courses are different across the state, regarding the grade levels and length of time of the course. The following standards should be covered to meet the needs of the program. Additional topics can be covered to meet the demands of specific time grade levels and time frames. Students are encouraged to explore opportunities within the national FFA organization and develop a supervised agricultural experience program. 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.

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Program of Study Application

Middle School Agriculture, Food & Natural Resources is a cluster course in the Agriculture, Food and Natural Resources Cluster. Middle School Agriculture, Food & Natural Resources would be preceded by a Foundation Course and will prepare a student to enter a pathway course in any of the Agriculture, Food & Natural Resources pathways.

Course Standards

MSA 1: Establish an understanding of the three main parts of the agricultural education program.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	MSA 1.1: Define Supervised Agricultural Experience Program.	
One Recall	MSA 1.2: Explore opportunities in the National FFA Organization.	
One Recall	MSA 1.3: Demonstrate an understanding of Agricultural Education.	

Notes:

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MSA 2: Express the importance of agriculture in daily life.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
One Recall	MSA 2.1: Give examples of how the agriculture industry provides basic human needs (food, clothing, shelter).	
Three Strategic Thinking	MSA 2.2: Discuss how the skills needed for agricultural work have evolved.	
Two Skill/Concept	MSA 2.3: Summarize the importance of agriculture to South Dakota's economy.	

Notes:

MSA 3: Examine agriculture industries of the past, present, and future.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	MSA 3.1: Appraise fundamentals of the agriculture industry and its impact on the world.	
One Recall	MSA 3.2: Explore the animal science industry including large and/or small animals.	
One Recall	MSA 3.3: Explore the plant science industry including agronomic and/or horticultural crops.	

Notes:

MSA 4: Use basic principles of agricultural systems technology.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	MSA 4.1: Identify and demonstrate safe use of shop equipment.	

Notes:

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MSA 5: Develop employability skills related to the AFNR Cluster.

<i>Webb Level</i>	<i>Sub-indicator</i>	<i>Integrated Content</i>
Two Skill/Concept	MSA 5.1: Develop soft skills to enhance employability.	

Notes: