

Career Cluster: AFNR

Course: Middle School AFNR



### Middle School AFNR

|                                  |   |
|----------------------------------|---|
| Career Cluster                   | Agriculture, Food and Natural Resources   |
| Course Code                      | 18000   |
| Prerequisite(s)                  | None  |
| Credit                           | .5 or 1   |
| Graduation Requirement           | No  |
| Program of Study and Sequence    | Foundation Course – <b>Middle School Agriculture, Food &amp; Natural Resources</b> – 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   |   |
| Teacher Certification            | 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.

#### 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.

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**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. |                           |

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

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

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

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**MSA 4: Use basic principles of agricultural systems technology.**

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

**Notes:**

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

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

**Notes:**