DIAL Virtual Introduction to Agriculture, Food and Natural Resources

CTE18001

Instructor:

Mrs. Taylor Krause

Taylor.Krause@k12.sd.us

Suggested Grade Level: 9-12

Rationale Statement:

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.

Standards:

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

ITA 1.1: Summarize the history and organization of FFA

ITA 1.2: Explore opportunities in FFA

ITA 1.3: Demonstrate proper use of parliamentary procedure.

ITA 2: Describe the types of Supervised Agricultural Experiences

ITA 2.1: Evaluate the benefits and types of SAE programs

ITA 2.2: Develop a profile within Ag Career Network of Ag Experience Tracker

ITA 3: Discuss the concept of Natural Resources

ITA 3.1: Classify different types of natural resources in order to enable protection, conservation, enhancement and management in a particular geographical region.

ITA 4: Describe the animal science industry

ITA 4.1: Examine the animal science industry

ITA 4.2 Analyze historic and current trends impacting the animal science industry.

ITA 5: Describe plant structure and function

ITA 5.1: Examine the plant science industry

ITA 5.2: Analyze historic and current trends impacting the plant science industry

ITA 6: Summarize basic economic principles.

ITA 6.1: Apply management planning principles in the AFNR business

ITA 7: Discuss basic food science and technology

ITA 7.1: Illustrate how raw commodities become table-ready food products

ITA 8: Use basic principles of agriculture systems technology

ITA 8.1: Execute basic principles involved in agricultural systems technology

ITA 9: Develop employability skills related to the ADNR cluster

Technology Expectations:

Each student is expected to have access to a computer and internet to complete the course. Should something come up where the student does not have either of these things it is their responsibility to contact the instructor.

Performance Standards

Grades for the course will be based on the following levels of performance and attendance in class:

Grade	Performance Standard
A	**Mastered (Independent) Learner** Did research, designed and planned; applied academic skills; evaluated work and made adjustments; did quality work; needed little help from the teacher; sought found resources independently; demonstrated knowledge with a grade of 94% or higher; can perform course standards and skills independently with no supervision
B	**Semi-independent (Requires Some Supervision) Learner** Did research, designed and planned; needed some help from the teacher; did quality work with a few flaws; needed feedback from the teacher to realize work did not meet standards; redid work to meet standards; demonstrated knowledge and a grade of 87% or higher; can perform standards completely without supervision/training.

C **Dependent (Requires Close Supervision) Learner**
Needed help to research, design, and plan; relied a great deal on the teacher; had to be given procedures for performing tasks; required significant help to produce a quality product; needed help to evaluate a product; final product did meet standards; demonstrated knowledge with a grade of 79% or higher; can perform task with close supervision/training.

D **Not Mastered Learner**
Needed help to research, design and plan or had to be given a plan; relied a great deal on the teacher; had to be given procedures for performing tasks; required significant help to produce a product; needed help to evaluate a product; final product still did not meet standards; demonstrated knowledge with a grade of 70% or higher; requires close supervision and more instruction.

F **Failure (No Exposure)**
Did not complete projects; if projects were completed, they were of such low quality that they did not pass; failed to document procedures; did not show criteria for determining quality; scored 69% or less; not enough experience or knowledge in this area.

Grading Procedures:

All assignments/assessments are due on the Friday of that given week. This includes test, quizzes and other assignments. Assessments which include short answer questions will need to be hand graded by the instructor so the test score shown on google forms after taking the test is not accurate. Students can expect and accurate updated score by Friday of the following week. If students have any questions regarding grading, they need to e-mail the instructor directly at: taylor.krause@k12.sd.us

Course Outline:

Week	Unit	Assignments Due
Week One	Introduction	Goal Paragraphs SD Crop Commodities
Week Two	Unit One	Unit 1: Lesson 1: Assignment 1
Week Three	Unit Two	Unit 2: Lesson 1: Assignment 1 Unit 2: Lesson 1: Assignment 2
Week Four	Unit Two	Unit 2: Lesson 2: Assignment 1 Unit 2: Lesson 2: Assignment 2 Unit 2 Test
Week Five	Unit Three	Unit 3: Lesson 1: Assignment 1 Unit 3: Lesson 2: Assignment 1 Unit 3: Lesson 2: Assignment 2

Week Six	Unit Three	Unit 3: Lesson 2: Assignment 3 Unit 3 Project
Week Seven	Unit Four	Unit 4: Lesson 4: Assignment 1
Week Eight	Unit Four	Unit 4 Project
Week Nine	Unit Five	Unit 5: Lesson 1: Assignment 1 Unit 5: Lesson 2: Assignment 1
Week Ten	Unit Five	Unit 5: Lesson 3: Assignment 1 Unit 5 Project
Week Eleven	Unit Six	Unit 6: Lesson 1: Assignment 1 Unit 6: Lesson 2: Assignment 1
Week Twelve	Unit Six	Unit 6: Lesson 3: Assignment 1 Unit 6: Lesson 4: Assignment 1 Unit 6 Test
Week Thirteen	Unit Seven	Unit 7: Lesson 1: Assignment 1 Unit 7: Lesson 2: Assignment 1
Week Fourteen	Unit Seven	Unit 7: Lesson 3: Assignment 1 Unit 7 Project
Week Fifteen	Unit Eight	Unit 9: Lesson 1: Assignment 1 Unit 9: Lesson 2: Assignment 2
Week Sixteen	Unit Eight	Unit 8 Project
Week Seventeen	Final Test	Supervised Agriculture Experience Project

** This is an estimate schedule and things are subject to change.