Kansas CTE

Introduction to Agriculture (2018)

Concepts of Agriculture COA	1	**Analyze how the world population affects today's agriculture industry.** COA.1
	2	**Identify significant historical developments in agriculture** COA.2
	3	**Examine important research achievements in agriscience and future research implications.** COA.3
	4	**Compare and contrast the methods of agriculture used in the local, county, state, nation, and world.** COA.4
	5	**Describe the importance of agriculture products in everyday life.** COA.5
	6	**Discuss current agricultural events that impact the local community and state.** COA.6
Careers in Agriculture CIA	1	**List the career pathways for agriculture, food and natural resources** CIA.1
	2	**Research a potential agriculture career based on your interests.** CIA.2
	3	**Develop a strategy to advance in that career.** CIA.3
Leadership L	1	**Define and identify characteristics of leadership** L.1
	2	**Identify available leadership opportunities** L.2
	3	**Differentiate between a group and a team** L.3
	4	**Define teamwork and identify benefits to working in teams** L.4
	5	**Understand and create personal goals using S.M.A.R.T. goals.** L.5
	6	**Describe the purpose and benefits of parliamentary procedure.** L.6
	7	**Demonstrate five parliamentary procedure motions.** L.7
Oral Co	1	**Organize notes and ideas for formal, semiformal, and informal presentations.** OA.1

Skip to main content

	2 **Prepare and deliver a presentation appropriate to subject matter, purpose, and audience.** OA.2
	3 **Use interviewing techniques to gather information.** OA.3
	4 **Participate in group communication activities.** OA.4
	5 **Incorporate visual media into a presentation.** OA.5
	6 **Demonstrate concise impromptu speaking skills.** OA.6
	7 **Give oral directions.** OA.7
	8 **Demonstrate job interview skills.** OA.8
Agribusiness Systems AGS	1 **Compare the three segments of agribusiness.** AGS.1
	2 **Identify examples of each segment and its role in the community.** AGS.2
	3 **Define entrepreneurship.** AGS.3
	4 **Identify methods of marketing.** AGS.4
	5 **Graph an agricultural example of supply and demand.** AGS.5
Plant Systems PS	1 **Identify and define the functions of vegetative and reproductive parts of plants.** PS.1
	2 **Distinguish between sexual and asexual reproduction.** PS.2
	3 **Compare and perform the primary methods of asexual reproduction in plants.** PS.3
	4 **Identify the top five crops in your county and state.** PS.4
	5 **Describe the requirements for plant growth.** PS.5
	6 **Compare and contrast monocots and dicots.** PS.6
	7 **Identify machinery used in forage, crop, horticulture, and landscape businesses** PS.7
Animal Systems ANS	1 **Define domestic animals.** ANS.1
	2 **Identify the basic needs and proper care of animals.** ANS.2
	3 **Discuss the purposes of livestock and companion animals.** ANS.3

Skip to main content

	4 **Define and describe the difference between animal rights and animal welfare.** ANS.4
	5 **Compare animal digestive systems.** ANS.5
	6 **Identify and compare breeding management systems (reproduction).** ANS.6
	7 **Identify animal terminology** ANS.7
	8 **Identify major breeds of livestock.** ANS.8
	9 **Identify types of companion animals.** ANS.9
	10 **Describe trends in the animal science industry** ANS.10
	11 **Research an animal of your choice.** ANS.11
Power Structural and Technical Systems PSTS	1 **Research and identify components required in a health and safety performance plan.** PSTS.1
	2 **Identify emergency response procedures for health and safety issues at AFNR workplaces.** PSTS.2
	3 **Examine and categorize examples of how to avoid health and safety issues at AFNR workplaces.** PSTS.3
	4 **Demonstrate safety practices in laboratory work.** PSTS.4
	5 **Locate safety equipment and emergency exits in the agricultural mechanics laboratory.** PSTS.5
	6 **Identify standard tools, equipment and safety procedures related to AFNR tasks.** PSTS.6
	7 **Demonstrate proper safety techniques for using hand and power tools.** PSTS.7
Natural Resource Systems NRS	1 **List and describe major kinds of natural resources.** NRS.1
	2 **Define sustainable resources.** NRS.2
	3 **Compare and contrast conservation and preservation.** NRS.3
	4 **List types of alternative fuels and explain why they are important.** NRS.4
	5 **Illustrate and describe the food chain.** NRS.5
	6 **Identify wildlife habitats for native Kansas animals.** NRS.6
	7 **Research an endangered species.** NRS.7

Skip to main content

	8 Identify the major components of soil. NRS.8
Environmental Systems ES	1 Discuss major types and sources of pollution. ES.1
	2 Develop a plan of action to improve the environment. ES.2
	3 Illustrate the water cycle. ES.3
	4 Discuss global warming and the greenhouse effect. ES.4
	5 Discuss alternative fuels and connection to agriculture. ES.5
Food Products and Processing Systems FPPS	1 List the steps food must go through to from the producer to the consumer. FPPS.1
	2 Identify food safety concerns. FPPS.2
	3 Identify government agencies involved in food production. FPPS.3
	4 Discuss biotechnology advancements currently in the food industry. FPPS.4
	5 Discuss future developments predicted for the food industry. FPPS.5
Agricultural Issues AI	1 Define agricultural industry terms (ex. Biotechnology, bio-terrorism, wind power). AI.1
	2 Identify and describe a technological advancement that has happened in the last five years. AI.2
	3 Research a current agriculture issue. AI.3
	4 Discuss nutritional needs of humans and the food groups they need. AI.4
	6 Cite important relationships between land characteristics and water quality. AI.6
Resource Management RM	9 Locate information and select the materials, tools, and equipment needed to perform an activity or build a project. RM.9
	10 Determine cost, time, and resources needed to complete a task within an industry or occupation. RM.10
	11 Explain the relationship between setting goals and managing money. RM.11
	12 Identify fixed a flexible expenses. RM.12
	13 Identify planned and impulse buying. RM.13