Florida CTE

Agriculture, Food, and Natural Resources: Introduction to Agriscience

Identify the importance of agriscience. The student will be able to: 01.0	1 **Define agriscience and explain its diversity and scope.** 01.01
	2 **Describe the importance of agriculture on a world, national, state, and community scale.** 01.02
	3 **Describe the importance of agriculture in each individual's life.** 01.03
	4 **Collect and discuss information on current agricultural events.** 01.04
	5 **Trace the evolution of agriscience from its beginnings to current applications.** 01.05
	6 **Identify the major agricultural production areas and the major commodities produced in the United States and Florida.** 01.06
	7 **Describe the diversity of career opportunities in agriculture and its related fields through a Foundational SAE.** 01.07
	8 **Describe the relationship between natural resources and agriculture.** 01.08
	9 **Describe technology used in agricultural production, processing, and marketing of agricultural products.** 01.09
Identify and practice agriculture safety skills. The student will be able to: 02.0	1 **Identify procedures for safely using equipment.** 02.01
	2 **Identify and use proper personal protective equipment (PPE).** 02.02
	3 **Describe proper procedures for safety in agriculture classroom, laboratory, and land-laboratory.** 02.03
Describe the importance of plants and animals in agriculture. The student wi[illegible]	1 **Identify plants important to agriculture.** 03.01
	2 **Identify animals important to agriculture.** 03.02
	[illegible]emonstrate the proper handling and ethical care of animals. 03.03

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	4 Describe animal rights and animal welfare. 03.04
	5 Compare organic farming and conventional farming. 03.05
	6 Identify conditions necessary for agricultural production. 03.06
	7 Evaluate proper health and nutrition for livestock animals. 03.07
	8 Compare companion animals and livestock animals 03.08
	8 Identify the agricultural source of consumer products. 03.09
	10 Trace the development of an agricultural product from the producer to the consumer. 03.10
Use selected techniques to produce finished products from agricultural materials. The student will be able to: 04.0	1 Complete a project safely using the appropriate agricultural tools, machinery, or equipment. 04.01
	2 Prepare and process an agricultural product. 04.02
	3 Propagate horticulture plants. 04.03
Describe leadership and communication skills. The student will be able to: 05.0	1 Describe the aims and purposes of the FFA organization. 05.01
	2 Identify opportunities available to FFA members. 05.02
	3 Define leadership and different leadership styles. 05.03
	4 Define communication and identify methods of communication 05.04
	5 Prepare and present and extemporaneous speech. 05.05
Integrate the use of science, mathematics, reading, geography, history, writing, and communication in agriscience and technology. The student will be able to: 06.0	1 Apply basic mathematics operations to solve agricultural problems. 06.01
	2 Correctly use measuring devices and utilize measurements to solve agricultural problems. 06.02
	3 Prepare written and oral materials using correct English grammar. 06.03
	4 Identify the main idea in oral presentations and written materials. 06.04
	5 Locates, organizes, and interprets information from a variety of agricultural sources. 06.05