Kentucky CTE

MS Ag Education: Level 1 (2025)

Ag Systems	**Animal Science** 1 OA1 Define key terminology related to animal science (maturity and gender of animals by species.) OA1 2 OA2 Understand the role, importance, and scope of livestock, companion, and exotic animals. OA2 3 OA3 Identify the basic needs of animals related to nutrition, housing, and care. OA3
	Plant Science 4 OA4 Identify and describe major plant parts and their functions OA4 5 OA5 Determine the optimal conditions required for plant growth and germination. OA5 6 OA6 Explain the life cycle of plant growth (seed to plant to harvest) OA6
Consumerism	**Consumerism**
OA7 Describe and explain the impact of agriculture on daily life. OA7	7 **OA7 Describe and explain the impact of agriculture on daily life.** OA7
OA8 Identify products and byproducts from livestock animals and plants. OA8	8 **OA8 Identify products and byproducts from livestock animals and plants.** OA8
OA9 Identify the sources of different types of food, fiber, fuel, and natural resources. OA9	9 **OA9 Identify the sources of different types of food, fiber, fuel, and natural resources.** OA9
OA10 Describe the journey of food from farm to plate. OA10	10 **OA10 Describe the journey of food from farm to plate.** OA10

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OA11 Identify the top 10 agricultural commodities specific to Kentucky. OA11	**11 OA11 Identify the top 10 agricultural commodities specific to Kentucky.** OA11
OA12 Locate and map distinct agricultural commodities in Kentucky as they relate to geography. OA12	**12 OA12 Locate and map distinct agricultural commodities in Kentucky as they relate to geography.** OA12
Careers	**Careers**
OA13 Understand the importance of having a career that meets student interests and life goals. OA13	**13 OA13 Understand the importance of having a career that meets student interests and life goals.** OA13
OA14 Explore the broad job and career opportunities that can be found in the agricultural industry. OA14	**14 OA14 Explore the broad job and career opportunities that can be found in the agricultural industry.** OA14
Leadership	
OA15 Explain the history, mission, and benefits of FFA. OA15	**15 OA15 Explain the history, mission, and benefits of FFA.** OA15
OA16 Communicate basic concepts about agriculture through speeches, writings, and/or presentations. OA16	**16 OA16 Communicate basic concepts about agriculture through speeches, writings, and/or presentations.** OA16