

AGRISCIENCE APPLICATIONS

Swain CORE (Semester-long) Curriculum Map for Agriscience Applications		
Unit #/Name	Unit A	Unit B
Big Idea	Introduction to Agriculture	Agriscience Industries
Timeline	22 days	58 days
State Standards	E.S. 1.00-Understand leadership opportunities and SAE related to the agriscience industry E.S. 2.00-Understand global agriculture	E.S. 3.00-Understand the plant industry E.S. 4.00-understand the animal industry (large animal, equine, and aquaculture.) E.S. 5.00- Understand the environmental science industry (water, soils, wildlife, and forestry) E.S. 6.00- understand the agriculture engineering industry
Related Competencies	<i>1.01-Understand the history, opportunities and structure of organizations related to the agriscience industry.</i> <i>1.02-understand effective leadership and communication skills</i> <i>1.03- understand the importance of SAE to work-based learning</i> <i>2.01- understand the history of global agriculture</i> <i>2.02- compare the current and future issues in global agriculture</i>	3.01-remember careers in the plant industry. 3.02-understand biotechnology in the plant industry 3.03-understand basic horticulture (ornamental, fruit and vegetable) and agronomic principles and practices 3.04-remember tools and their safety practices related to the plant industry 4.01-remember careers in the animal industry 4.02-understand biotechnology in the animal industry 4.03-understand basic animal principles and practices 4.04-remember tools and their safety practices related to the animal industry 5.01-remember careers in the environmental science industry 5.02-understand biotechnology in the environmental science industry 5.03-understand basic environmental principles and practices 5.04-remember tools and their safety practices related to the environmental science industry.

		6.01-remember careers in the agriculture mechanics industry 6.02-understand basic agriculture engineering principle and practices 6.03-remember tools and their safety practice related to the agriculture mechanics industry.
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