North Carolina CTE

Agriscience Applications (2013): Grades 9, 10, 11, 12

Adopted 2013

Introduction To Agriculture

00. Understand leadership opportunities and SAE related to the agriscience industry. 1.00

01. Understand the history, opportunities and structure of organizations related to the agriscience industry. 1.01
02. Understand effective leadership and communication skills. 1.02
03. Understand the importance of SAE to work-based learning. 1.03

00. Understand global agriculture. 2.00

01. Understand the history of global agriculture. 2.01
02. Compare the current and future issues in global agriculture. 2.02

Agriscience Industries

00. Understand the plant industry. 3.00

01. Remember careers in the plant industry. 3.01
02. Understand biotechnology in the plant industry. 3.02
03. Understand basic horticultural (ornamental, fruit and vegetable) and agronomic principles and practices. 3.03
04. Remember tools and their safety practices related to the plant industry. 3.04

00. Understand the animal industry (large animal, equine and aquaculture). 4.00

01. Remember careers in the animal industry. 4.01
02. Understand biotechnology in the animal industry. 4.02
03. Understand basic animal principles and practices. 4.03
04. Remember tools and their safety practices related to the animal industry. 4.04

00. Understand the environmental science industry (water, soils, wildlife and forestry). 5.00

01. Remember careers in the environmental science industry. 5.01
02. Understand biotechnology in the environmental science industry. 5.02
03. Understand basic environmental principles and practices. 5.03

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04. Remember tools and their safety practices related to the environmental science industry. 5.04

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00. Understand the agricultural engineering industry. 6.00

01. Remember careers in the agricultural mechanics industry. 6.01
02. Understand basic agricultural engineering principles and practices. 6.02
03. Remember tools and their safety practices related to the agricultural mechanics industry. 6.03