

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
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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
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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
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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
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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

- 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