

Agriculture Cluster (2015): Grades 9, 10, 11, 12, Higher Education

Adopted 2015

Industry of Agriculture and world food demands [AGCL.01](#)

01. Understand and analyze the role of agriculture in determining the need for and supply of the world's food [AGCL.01.01](#)

- a. Define the difference in food supply and food need [AGCL.01.01.A](#)
- b. Analyze global trends (population, societal, income, health, environmental) and the impact on food supply [AGCL.01.01.B](#)
- c. Relate trends of food supply and food need to theories of Thomas Malthus and the work of Norman Borlaug [AGCL.01.01.C](#)
- d. Analyze how technology has or can increase production capabilities [AGCL.01.01.D](#)

02. Compare and contrast issues affecting the AFNR industry (including biotechnology food safety environmental and animal welfare) [AGCL.01.02](#)

- a. Select solutions for different issues [AGCL.01.02.A](#)
- b. Analyze selected solutions for feasibility [AGCL.01.02.B](#)
- c. Present solutions determined most feasible [AGCL.01.02.C](#)

03. Envision emerging technology and globalization and projects its influence on markets [AGCL.01.03](#)

- a. Examine new technologies to project their impact on the AFNR industry [AGCL.01.03.A](#)
 - b. Discuss the relationship between the advancement of technology and the need for continuing education and career development [AGCL.01.03.B](#)
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Career Opportunities in the AFNR Cluster AGCL.02

- 01. Identify and prepare for career opportunities in the AFNR cluster** AGCL.02.01
 - a. Identify careers and explore advantages and disadvantages within the AFNR cluster AGCL.02.01.A
 - b. Choose an agriculture career based upon your interest, skills and education necessary AGCL.02.01.B
 - c. Develop and ICAP specific to agriculture (Individual Career and Academic Plan) AGCL.02.01.C
 - d. Review, and modify and implement agriculture ICAP AGCL.02.01.D
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Integrate supervised agriculture experience into agriculture education AGCL.03

- 01. Define SAE and describe the purpose for the SAE program** AGCL.03.01
 - a. Define the SAE and its role in agricultural education AGCL.03.01.A
 - b. Identify and describe different types of SAE's (Placement, Entrepreneurship, Agriscience/Research, Exploratory, Service Learning) AGCL.03.01.B
 - c. Determine the advantages and disadvantages for each type of SAE program AGCL.03.01.C
 - d. Determine student possibilities for SAE AGCL.03.01.D
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- 02. Initiate the SAE program** AGCL.03.02
 - a. Select an SAE based on personal interests AGCL.03.02.A
 - b. Design and plan the SAE AGCL.03.02.B
 - c. Implement the SAE AGCL.03.02.C
 - d. Make satisfactory progress on the SAE program AGCL.03.02.D
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- 03. Develop agriculture skills through the application of the SAE and experiential learning** AGCL.03.03
 - a. Identify skills necessary in agriculture industry and SAE area AGCL.03.03.A
 - b. Develop a plan of action (training plan) to address needed skills in the agriculture industry/SAE AGCL.03.03.B
 - c. Improve agriculture skills through application in the SAE program AGCL.03.03.C
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- 04. Maintain an SAE showing growth and improvement over time** AGCL.03.04
 - a. Maintain an SAE throughout agricultural education enrollment AGCL.03.04.A
 - b. Analyze the SAE for improvements necessary in efficiency, productivity and success AGCL.03.04.B
 - c. Utilize management techniques to improve the SAE (record keeping, skills, goals, efficiency factors, financial records, SAE visits and other SAE records) AGCL.03.04.C
 - d. Implement identified improvements to the SAE AGCL.03.04.D
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Integrate leadership and personal development into agricultural education experiences AGCL.04

01. Describe FFA and its role in Agricultural Education AGCL.04.01

- a. Describe the FFA organization, structure and identifying characteristics (emblem, official dress, stations, degrees, types of membership, history, ceremonies) AGCL.04.01.A
 - b. Define leadership and analyze opportunities for individual leadership development (goal setting, degree advancement, CDE's, Awards, conferences, officer/committee work, career goals) AGCL.04.01.B
 - c. Utilize leadership skills learned in the FFA to advance leadership in a group or organization AGCL.04.01.C
 - d. Utilize leadership skills learned in the FFA to serve others AGCL.04.01.D
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02. Understand how to manage an organization AGCL.04.02

- a. Describe the purposes of a constitution and by-laws, Program of Activities, meetings, leadership roles AGCL.04.02.A
 - b. Utilize and apply a constitution, POA, meetings and leadership roles in an organization AGCL.04.02.B
 - c. Evaluate an organization for effectiveness AGCL.04.02.C
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03. Explain the values of the FFA organization AGCL.04.03

- a. Describe the mission, motto, creed and code of ethics AGCL.04.03.A
 - b. Analyze how the mission, motto, creed and code of ethics can be challenged in given leadership scenarios AGCL.04.03.B
 - c. Utilize the mission, motto, creed and code of ethics to make appropriate choices in leadership scenarios AGCL.04.03.C
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04. Utilize parliamentary procedure to effectively operate an organization AGCL.04.04

- a. Define parliamentary procedure and its purposes AGCL.04.04.A
- b. Understand the classification and utilization of motions AGCL.04.04.B
- c. Describe uses of gavel, conduct of chair and members, effective debate, voting AGCL.04.04.C
- d. Apply knowledge to given organization scenarios (make a motion, chair, discussion, etc.) AGCL.04.04.D