



GEORGIA MIDDLE SCHOOL

Instructional Resources

CAREER, TECHNICAL, & AGRICULTURAL EDUCATION

AGRICULTURE

COURSE: Exploring Agriculture Education

UNIT 5: Faces of Agriculture



INTRODUCTION

Annotation:

In this unit, students will learn about a wide array of jobs related to agriculture. Students will research and complete a project about specific careers of interest.

Grade(s):

X	6 th
	7 th
	8 th

Time:

Five 50 minute class periods

Author:

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Students with Disabilities:

For students with disabilities, the instructor should refer to the student's IEP to be sure that the accommodations specified are being provided appropriately. Instructors should also familiarize themselves with the provisions of Behavior Intervention Plans that may be part of a student's IEP. Frequent consultation with a student's special education instructor will be beneficial in providing appropriate differentiation. Many students (both with and without disabilities) who struggle with reading may benefit from the use of text reading software or other technological aids to provide access to printed materials. Many of these are available at little or no cost on the internet.

FOCUS STANDARDS

GPS Focus Standards:

MSAGED6-7

Describe examples of careers clusters in agriculture.

- a) Production Agriculture
- b) Horticulture
- c) Forestry
- d) Ag Marketing and Business Management
- e) Rural Recreation and Natural Resources
- f) Ag Mechanics
- g) Ag Processing
- h) Ag Sales and Service

GPS Academic Standards:

M6P4

Students will make connections among mathematical ideas and to other disciplines.

UNDERSTANDING & GOALS

Enduring Understandings:

The agriculture field covers a wide range of careers from Floriculture to Forestry to Business Management. Careers are not only limited to the farming industry. Agribusiness and related careers are important areas of employment beyond the farm gate.

Essential Questions:

- What are the eight different agriculture career clusters?
- What is an example of a career in the agriculture industry?
- What career opportunities in agriculture best suit your interests?

Knowledge from this Unit:

Students will:

- Identify the eight different career clusters and jobs associated with each of the clusters
- Compare and contrast agriculture careers with non-agriculture careers
- List examples of careers in the agriculture field

Skills from this Unit:

Students will:

- Conduct research on careers of interest

ASSESSMENTS

Assessment Method Type:

- ☐ Pre-test
- ☐ Objective assessment - multiple-choice, true- false, etc.
 - ☐ Quizzes/Tests
 - ☐ Unit test
- ☒ Group project
- ☒ Individual project
- ☐ Self-assessment - May include practice quizzes, games, simulations, checklists, etc.
 - ☐ Self-check rubrics
 - ☐ Self-check during writing/planning process
 - ☐ Journal reflections on concepts, personal experiences and impact on one's life
 - ☐ Reflect on evaluations of work from teachers, business partners, and competition judges
 - ☐ Academic prompts
 - ☐ Practice quizzes/tests
- ☐ Subjective assessment/Informal observations
 - ☐ Essay tests
 - ☐ Observe students working with partners
 - ☐ Observe students role playing
- ☐ Peer-assessment
 - ☐ Peer editing and commentary of products/projects/presentations using rubrics
 - ☐ Peer editing and/or critiquing
- ☒ Dialogue and Discussion
 - ☐ Student/teacher conferences
 - ☒ Partner and small group discussions
 - ☐ Whole group discussions
 - ☐ Interaction with/feedback from community members/speakers and business partners
- ☒ Constructed Responses
 - ☐ Chart good reading/writing/listening/speaking habits
 - ☒ Application of skills to real-life situations/scenarios
- ☐ Post-test

Assessment(s) Title:

Agriculture Career Poster Presentation

Assessment(s) Description/Directions:

Students should complete the career poster for an agriculture career of their choice and present the poster to the class.

Attachments for Assessment(s):

Agriculture Career Project Instruction Sheet

LESSON PLANS

INTRODUCTION

1. Identify the Standards. Standards should be posted in the classroom for each lesson.

MSAGED6-7

Describe examples of careers clusters in agriculture.

- a) Production Agriculture
- b) Horticulture
- c) Forestry
- d) Ag Marketing and Business Management
- e) Rural Recreation and Natural Resources
- f) Ag Mechanics
- g) Ag Processing
- h) Ag Sales and Service

M6P4

Students will make connections among mathematical ideas and to other disciplines.

2. Review Essential Questions. Post Essential Questions in the classroom.

- What are the eight different agriculture career clusters?
- What is an example of a career in the agriculture industry?
- What career opportunities in agriculture best suit your interests?

3. Identify and review the unit vocabulary.

Agriculture Marketing
Agriculture Mechanics
Agriculture Processing
Agriculture Sales

Agriculture Services
Business Management
Career Cluster
Forestry

Horticulture
Production Agriculture
Natural Resources
Rural Recreation

Salary
Skill

• LESSON 1: AGRICULTURE CAREERS

1. Review Essential Questions. Post Essential Questions in the classroom.

- What is an example of a career in the agriculture industry?

2. Lead a discussion about careers in agriculture.

- Ask students, "Can you think of any agriculture jobs?"
 - Have students write examples of agriculture jobs on the board.
- Is there an agricultural career you have thought of pursuing?

3. Careers PowerPoint

- Show students the **Agriculture Careers** PowerPoint presentation.
 - See attached supplementary files
- Emphasize the eight different career areas covered in the agriculture field.

• LESSON 2: EXPLORING CAREER INTERESTS

1. Review Essential Questions. Post Essential Questions in the classroom.
 - What career opportunities in agriculture best suit your interests?
2. Review some of the agricultural careers learned about in Lesson 1.
 - Ask students, "After seeing the PowerPoint, did any career opportunities stand out to you?"
 - Which of the career areas do you not know much about?
 - Which of the career areas do you know a lot about?
3. Discovering a Future in Agriculture
 - Have students complete the **Career Interest Quiz**. Explain to students they are to answer the questions by selecting the choice that best describes them. There cannot be any "maybe" or "sometimes" answers; only one choice must be selected.
 - See attached supplementary files
 - Attached to the quiz is the **Career Graph Worksheet**.
 - Review students' answers to the quiz.
 - Every time a student answered "yes" to a question, they should put a tally mark in the corresponding circle on the graph worksheet.
 - Once all of their answers have been tallied, students should write which career cluster fits them best on the worksheet.
4. Personality Types
 - Discuss each of the six personality types listed below. Ask students to raise their hands if their career cluster puts them in that category.
 - **Note:** A more comprehensive explanation can be found on the link for the **Career Interest Quiz**.
 - **Investigative: Thinkers**
 - Like to observe, learn, investigate, analyze, evaluate or solve problems
 - **Examples:** Agronomist, computer programmer, veterinarian
 - **Realistic: Doers**
 - Have athletic or mechanical ability and prefer to work with objects, machines, tools, plants or animals, and who like to be outdoors
 - **Examples:** Automobile mechanic, baker, farmer, truck driver
 - **Conventional: Organizers**
 - Like to work with data, have clerical or numerical ability, carry out tasks in detail, or follow through on others' instructions easily
 - **Examples:** Accountant, bank teller, safety inspector, tax consultant
 - **Enterprising: Persuaders**
 - Like to work with people, influencing, persuading, performing, leading or managing for organizational goals or economic gain
 - **Examples:** Public relations manager, journalist, lobbyist, restaurant manager
 - **Social: Helpers**
 - Like to work with other people to enlighten, inform, help, train or cure them, or are skilled with words
 - **Examples:** Teachers, nurses, park ranger, school counselor
 - **Artistic: Creators**
 - Have artistic, innovating, or intuitional abilities and like to work in unstructured situations using their imaginations and creativity
 - **Examples:** Advertising manager, copywriter, reporter, landscape architect
 - Have students write which career they are most interested in on their graph worksheet.
 - Discuss which personality types students think are compatible with each other.

• LESSON 3: AGRICULTURE CAREER CLUSTER

1. Review Essential Questions. Post Essential Questions in the classroom.
 - What are the eight different agriculture career clusters?
2. Review the careers and personality types learned in Lesson 2.
 - Ask students, "Do you remember which career cluster you were from the Lesson 2 activity?"
 - What personality types were you compatible with?
3. Career Group Activity
 - Allow students to break into groups of three people. Instruct them that their group of three should consist of themselves and two other people with whom their personality type is compatible.
 - Give each group an **Aq Pathway Career Worksheet**.
 - See attached supplementary files
 - Tell students to think of three interests a person might have if they were working in each career field or cluster on the worksheet.
 - Once they have three interests for each field, the groups should access the National FFA Web site at **www.ffa.org** and research five different careers in each career area.
 - Individual students should then select the career pathway that most interests them, and choose their top three careers under that pathway.

• LESSON 4: AGRICULTURE CAREER POSTERS

1. Review Essential Questions. Post Essential Questions in the classroom.
 - Which career opportunities in agriculture best suit your interests?
2. Poster Activity
 - Have students get out their worksheets from Lesson 3, where they listed their top three career choices.
 - Allow students to draw numbers out of a container. The numbers will determine the order in which students will pick the career they wish to research further.
 - Each student should have a different career than others in their class period.
 - Pass out the **Aq Career Project Instruction Sheet** and a large piece of construction paper to each student.
 - Most of the information about the careers can be found at www.ffa.org. It should be included on the poster and in the presentation.
 - Students should include at least one picture on their poster.
 - Students should present their posters to the class once they are complete.

Attachments for Learning Experiences:

Agriculture Careers
Aq Pathway Career Worksheet
Aq Career Project Instruction Sheet
Career Interest Quiz

CULMINATING PERFORMANCE TASK

Culminating Unit Performance Task Title:

Students complete the Agriculture Career Poster project.

Culminating Unit Performance Task Description/Directions/Differentiated Instruction:

The Agriculture Career project requires students to correctly identify agriculture careers and research one career of their choice in the agriculture industry. They must then complete a poster on their career and present the poster and explain their career to the class.

Attachments for Culminating Performance Task:

Ag Career Project Instruction Sheet

UNIT RESOURCES

Web Resources:

WWW.FFA.ORG

Materials & Equipment:

Computer
Student Computers
Projector & Screen
Construction Paper
Markers
Magazines

What 21st Century Technology was used in this unit:

<input checked="" type="checkbox"/>	Slide Show Software
<input type="checkbox"/>	Interactive Whiteboard
<input type="checkbox"/>	Student Response System
<input type="checkbox"/>	Web Design Software
<input type="checkbox"/>	Animation Software
<input type="checkbox"/>	Email

<input type="checkbox"/>	Graphing Software
<input type="checkbox"/>	Calculator
<input type="checkbox"/>	Desktop Publishing
<input type="checkbox"/>	Blog
<input type="checkbox"/>	Wiki
<input checked="" type="checkbox"/>	Website

<input type="checkbox"/>	Audio File(s)
<input checked="" type="checkbox"/>	Graphic Organizer
<input type="checkbox"/>	Image File(s)
<input type="checkbox"/>	Video
<input type="checkbox"/>	Electronic Game or Puzzle Maker