## Course Title: Exploration of Agriscience

### CURRICULUM MAP

**UNIT/ORGANIZING PRINCIPLE:** FFA and Leadership  
**UNIT PACING:** 3 Weeks  
**UNIT NUMBER:** 1

### ESSENTIAL QUESTIONS:

How and why is FFA important to develop leadership skills?

### MEASUREMENT TOPIC/OUTCOME | CTE PERFORMANCE TASKS | COMMON CORE STANDARDS | 21 CENTURY SKILLS | UNIT TOPICS | ASSESSMENTS (Formative/Summative)
--- | --- | --- | --- | --- | ---
09.01 | Discuss the establishment and history of the FFA organization. | LACC.68.RST.1.2, LACC.68.RST.2.4, LACC.68.RST.2.5, LACC.68.RST.4.10, LACC.68.WHIST.1.1, LACC.68.WHIST.1.2, LACC.68.WHIST.2.4, LACC.68.WHIST.2.5, LACC.68.WHIST.2.6, LACC.68.WHIST.3.7, LACC.68.WHIST.3.8, LACC.68.WHIST.3.9, MACC.K12.MP.3.1, MACC.K12.MP.5.1, MACC.K12.MP.6.1, MACC.K12.MP.7.1, MACC.K12.MP.8.1 | • Civic literacy  
• Work creatively with others  
• Reason Effectively  
• Make Judgments and Decisions  
• Communicate Clearly  
• Collaborate with Others  
• Access and Evaluate Information  
• Use and Manage Information  
• Apply Technology Effectively  
• Be flexible  
• Interact Effectively with others  
• Work Effectively in Diverse Teams  
• Produce Results  
• Guide and Lead Others  
• Be Responsible to Others | **Suggested Topic/Resources:**  
FFA History (Timeline)  
FFA Motto  
FFA Emblem  
Official Dress  
OCC (Presentation)  
FFA Creed  
Types of Membership  
Getting Involved  
SAE Organization  
What kind of leader am I? (Presentation) | The following are suggested methods of assessment to be used at teacher discretion:  
Written Evaluation  
Discussion  
Fill in the blank  
Multiple choice  
Matching  
Exit Tickets  
Writing prompts  
Group Discussion  
Debates  
Individual/Group Projects  
Labs  
Student Driven assessments  
Student Progress monitoring

09.02 | Identify the characteristics and responsibilities of organizational leaders. |  |  |  |  |
09.03 | Demonstrate parliamentary procedure skills during a meeting. |  |  |  |  |
09.04 | Demonstrate effective communication skills through delivery of a speech or conducting a demonstration. |  |  |  |  |
09.05 | Identify communication skills necessary for effective leadership. |  |  |  |  |
9.06 | Identify state and community organizations associated with agricultural promotion. |  |  |  |  |

*Integrate the use of science, mathematics, reading, geography, history, writing and communication in agriscience and technology (used in all units)*

**Revised 12/2016**
## UNIT/ORGANIZING PRINCIPLE: Importance of Agriculture

**UNIT PACING:** 2 Weeks

**UNIT NUMBER:** 2

### ESSENTIAL QUESTIONS:
What do you want to be when you grow up?

### MEASUREMENT TOPIC/OUTCOME | CTE PERFORMANCE TASKS | COMMON CORE STANDARDS | 21 CENTURY SKILLS | UNIT TOPICS | ASSESSMENTS (Formative/Summative)
--- | --- | --- | --- | --- | ---

**01.01**

Explain the evolution of agriculture

- Define agriculture.
- Identify and research careers within a specific area of Agriscience.
- Explain how commodities have diversified in Florida.

| 01.02 | LACC.68.RST.1.1 |
| 01.03 | LACC.68.RST.1.2 |
| | LACC.68.RST.2.6 |
| | LACC.68.RST.4.10 |
| | LACC.68.RST.3.8 |
| | LACC.68.WHST.1.2 |
| | LACC.68.WHST.2.4 |
| | LACC.68.WHST.2.6 |
| | LACC.68.WHST.3.8 |
| | LACC.68.WHST.4.10 |
| | MACC.K12.MP.8.1 |

- Global Awareness
- Financial, Economic, Business and Entrepreneurial Literacy
- Civic Literacy
- Environmental Literacy
- Think Creatively
- Work Creatively with Others
- Implement Innovations
- Reason Effectively
- Make judgments and decisions.

**Suggested Topics/Resources:**
- History of Agriculture
- Florida Ag in the Classroom
- Florida Department of Agriculture
- Agriculture Commodity Project

**Vocabulary:**
- Agriculture
- Agriscience
- Commodity
- Export
- Import

**The following are suggested methods of assessment to be used at teacher discretion:**
- Written Evaluation
- Discussion
- Fill in the blank
- Multiple choice
- Matching
- Exit Tickets
- Writing prompts
- Group Discussion
- Debates
- Individual/Group Projects
- Labs
- Student Driven assessments
- Student Progress monitoring

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Revised 12/2016
## Course Title: Exploration of Agriscience

### CURRICULUM MAP

<table>
<thead>
<tr>
<th>UNIT/ORGANIZING PRINCIPLE: Biotechnology</th>
<th>UNIT PACING: 2 Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIT NUMBER: 3</td>
<td></td>
</tr>
</tbody>
</table>

### ESSENTIAL QUESTIONS:

Does biotechnology and genetically altered foods have a place in our society?

### MEASUREMENT TOPIC/OUTCOME

<table>
<thead>
<tr>
<th>CTE PERFORMANCE TASKS</th>
<th>COMMON CORE STANDARDS</th>
<th>21 CENTURY SKILLS</th>
<th>UNIT TOPICS</th>
<th>ASSESSMENTS (Formative/Summative)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply knowledge and skills in biotechnology</td>
<td>LACC.68.RST.1.2</td>
<td>Global Awareness</td>
<td><strong>Suggested Topics/Resources:</strong></td>
<td>The following are suggested methods of assessment to be used at teacher discretion:</td>
</tr>
<tr>
<td>06.01</td>
<td>LACC.68.RST.1.1</td>
<td>Civic Literacy</td>
<td>Georgia Ag Ed Power points on Biotechnology</td>
<td>Written Evaluation</td>
</tr>
<tr>
<td>06.02</td>
<td>LACC.68.RST.1.3</td>
<td>Health Literacy</td>
<td>Pros/Cons of Biotechnology</td>
<td>Discussion</td>
</tr>
<tr>
<td>06.03</td>
<td>LACC.68.RST.2.4</td>
<td>Environmental Literacy</td>
<td>Debate</td>
<td>Fill in the blank</td>
</tr>
<tr>
<td>06.04</td>
<td>LACC.68.RST.2.5</td>
<td>Think Creatively</td>
<td>Vocabulary:</td>
<td>Multiple choice</td>
</tr>
<tr>
<td></td>
<td>LACC.68.RST.2.6</td>
<td>Reason Effectively</td>
<td>Biotechnology</td>
<td>Matching</td>
</tr>
<tr>
<td></td>
<td>LACC.68.RST.2.7</td>
<td>Use Systems</td>
<td>Artificial Insemination</td>
<td>Exit Tickets</td>
</tr>
<tr>
<td></td>
<td>LACC.68.RST.3.9</td>
<td>Thinking</td>
<td>Cloning</td>
<td>Writing prompts</td>
</tr>
<tr>
<td></td>
<td>LACC.68.RST.4.10</td>
<td>Make Judgments and Decisions</td>
<td>Genetic Engineering</td>
<td>Group Discussion</td>
</tr>
<tr>
<td></td>
<td>LACC.68.WHST.1.1</td>
<td>Communicate Clearly</td>
<td>DNA</td>
<td>Debates</td>
</tr>
<tr>
<td></td>
<td>LACC.68.WHST.1.2</td>
<td>Access and Evaluate Information</td>
<td>GMO</td>
<td>Individual/Group Projects</td>
</tr>
<tr>
<td></td>
<td>LACC.68.WHST.2.4</td>
<td>Use and Manage Information</td>
<td></td>
<td>Labs</td>
</tr>
<tr>
<td></td>
<td>LACC.68.WHST.2.5</td>
<td>Analyze Media</td>
<td></td>
<td>Student Driven assessments</td>
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<tr>
<td></td>
<td>LACC.68.WHST.2.6</td>
<td>Create Media Products</td>
<td></td>
<td>Student Progress monitoring</td>
</tr>
<tr>
<td></td>
<td>LACC.68.WHST.3.8</td>
<td>Apply Technology Effectively</td>
<td></td>
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<tr>
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<td>LACC.68.WHST.3.7</td>
<td>Work Independently</td>
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<td>LACC.68.WHST.4.10</td>
<td>Manage Projects</td>
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<td></td>
<td>MACC.K12.MP.1.1</td>
<td>Produce Results</td>
<td></td>
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<td></td>
<td>MACC.K12.MP.3.1</td>
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<td>MACC.K12.MP.2.1</td>
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<td>MACC.K12.MP.4.1</td>
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<td>MACC.K12.MP.5.1</td>
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<td>MACC.K12.MP.6.1</td>
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<td>MACC.K12.MP.7.1</td>
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<td>MACC.K12.MP.8.1</td>
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Revised 12/2016
**Course Title:** Exploration of Agriscience  
**CURRICULUM MAP**  
**Course Number:** 8100210

<table>
<thead>
<tr>
<th>UNIT/ORGANIZING PRINCIPLE: Agriscience Research</th>
<th>UNIT PACING: 2 Weeks</th>
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</thead>
<tbody>
<tr>
<td><strong>UNIT NUMBER:</strong> 4</td>
<td><strong>UNIT NUMBER:</strong> 4</td>
</tr>
</tbody>
</table>

**ESSENTIAL QUESTIONS:** How is the Scientific method utilized in agriculture?

<table>
<thead>
<tr>
<th>MEASUREMENT TOPIC/OUTCOME</th>
<th>CTE PERFORMANCE TASKS</th>
<th>COMMON CORE STANDARDS</th>
<th>21 CENTURY SKILLS</th>
</tr>
</thead>
</table>
| Integrate the use of science, mathematics, reading, geography, history, writing and communication in agriscience and technology | 10.01 Apply basic mathematics operations to solve agricultural problems | LACC.68.RST.1.2  
LACC.68.RST.1.3  
LACC.68.RST.1.4  
LACC.68.RST.1.5  
LACC.68.RST.1.6 | • Global Awareness  
• Think Creatively  
• Work Creatively with Others  
• Implement Innovations  
• Reason Effectively  
• Use Systems  
• Thinking  
• Make Judgments and Decisions  
• Solve Problems  
• Communicate Clearly  
• Collaborate with Others  
• Access and Evaluate Information  
• Use and Manage Information  
• Apply Technology Effectively  
• Work Independently  
• Be Self-directed Learners  
• Interact Effectively with Others  
• Work Effectively in |
| 10.02 Correctly use measuring devices and utilize measurements to solve agricultural problems | LACC.68.RST.2.1  
LACC.68.RST.2.2  
LACC.68.RST.2.3  
LACC.68.RST.2.4  
LACC.68.RST.2.5 | | |
| 10.03 Apply the scientific method to solve an agricultural problem | LACC.68.RST.2.6  
LACC.68.RST.2.7  
LACC.68.RST.2.8  
LACC.68.RST.2.9  
LACC.68.RST.2.10 | | |
| 10.04 Prepare written and/or oral materials using correct English grammar | LACC.68.RST.3.1  
LACC.68.RST.3.2  
LACC.68.RST.3.3  
LACC.68.RST.3.4  
LACC.68.RST.3.5 | | |
| 10.05 Identify the main idea in oral presentations and/or written materials. | LACC.68.RST.3.6  
LACC.68.RST.3.7  
LACC.68.RST.3.8  
LACC.68.RST.3.9  
LACC.68.RST.4.1 | | |
| 10.06 Locate, organizes, and interprets information from a variety of agricultural sources | LACC.68.RST.4.2  
LACC.68.RST.4.3  
LACC.68.RST.4.4  
LACC.68.RST.4.5  
LACC.68.RST.4.6 | | |

**ASSESSMENTS (Formative/Summative):** The following are suggested methods of assessment to be used at teacher discretion:  
- Written Evaluation  
- Discussion  
- Fill in the blank  
- Multiple choice  
- Matching  
- Exit Tickets  
- Writing prompts  
- Group Discussion  
- Debates  
- Individual/Group Projects  
- Labs  
- Student Driven assessments  
- Student Progress monitoring

**Unit Topics:**  
- Text: Agriscience Discovery page 42  
- Chapter 4  
- Ag-Science Fair project through the Florida FFA Association  
  - www.flaffa.org  
  - Planet Ag website  
  - www.planetag.com

**Key Terminology:**  
- Agriculture  
- Scientific Method

Revised 12/2016
**Course Title:** Exploration of Agriscience  
**CURRICULUM MAP**  
**UNIT/ORGANIZING PRINCIPLE:** Plant Science  
**Course Number:** 8100210  
**Revised 12/2016**

**UNIT PACING:** 4 Weeks  
**UNIT NUMBER:** 5

**ESSENTIAL QUESTIONS:** Why are Plants important in sustaining life on our planet?

<table>
<thead>
<tr>
<th>MEASUREMENT TOPIC/OUTCOME</th>
<th>CTE PERFORMANCE TASKS</th>
<th>COMMON CORE STANDARDS</th>
<th>21 CENTURY SKILLS</th>
<th>UNIT TOPICS</th>
<th>ASSESSMENTS (Formative/Summative)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply knowledge and skills in plant sciences</td>
<td><strong>02.01</strong> Develop knowledge and skills in agriscience</td>
<td>LACC.68.RST.1.1</td>
<td>• Think Creatively</td>
<td>Suggested Topics/Resources</td>
<td>The following are suggested methods of assessment to be used at teacher discretion:</td>
</tr>
<tr>
<td></td>
<td><strong>02.02</strong> Produce an agricultural plant</td>
<td>LACC.68.RST.1.2</td>
<td>• Work Creatively with Others</td>
<td>Agriscience Discovery p. 56</td>
<td>Written Evaluation</td>
</tr>
<tr>
<td></td>
<td><strong>02.03</strong> Discuss the technology involved in the development of improved crops</td>
<td>LACC.68.RST.1.3</td>
<td>• Implement Innovations</td>
<td>FCAT/CTE Connection</td>
<td>Discussion</td>
</tr>
<tr>
<td></td>
<td><strong>02.04</strong> Identify the recommended uses and safety precautions from a pesticide label</td>
<td>LACC.68.RST.2.6</td>
<td>• Reason Effectively</td>
<td>Butterfly/Butterfly</td>
<td>Fill in the blank</td>
</tr>
<tr>
<td></td>
<td><strong>02.05</strong> Identify agribusiness that provide supplies and services to plant science industries in the state</td>
<td>LACC.68.RST.3.8</td>
<td>• Use Systems Thinking</td>
<td>Key Terminology:</td>
<td>Multiple choice</td>
</tr>
<tr>
<td></td>
<td><strong>02.06</strong> Identify pests, pathogens, parasites, and predators of horticultural, forestry, and agronomic crops.</td>
<td>LACC.68.RST.3.9</td>
<td>• Make Judgments and Decisions</td>
<td>Angiosperm</td>
<td>Matching</td>
</tr>
<tr>
<td></td>
<td><strong>02.07</strong> Describe a major component of soil.</td>
<td>LACC.68.WHST.1.1</td>
<td>• Solve Problems</td>
<td>Annual</td>
<td>Exit Tickets</td>
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<tr>
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<td><strong>02.08</strong> Demonstrate how to read a fertilizer label.</td>
<td>LACC.68.WHST.1.2</td>
<td>• Communicate Clearly</td>
<td>Asexual production</td>
<td>Writing prompts</td>
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<tr>
<td></td>
<td><strong>02.09</strong> Describe various forms of fertilizer and proper application methods.</td>
<td>LACC.68.WHST.2.4</td>
<td>• Collaborate with Others</td>
<td>Biennial</td>
<td>Group Discussion</td>
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<td></td>
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<td>LACC.68.WHST.2.6</td>
<td>• Use and manage Information</td>
<td>Cutting</td>
<td>Debates</td>
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<td>LACC.68.WHST.3.9</td>
<td>• Apply Technology Effectively</td>
<td>Flower</td>
<td>Individual/Group Projects</td>
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<tr>
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<td></td>
<td>MACC.K12.MP.2.1</td>
<td>• Adapt To Change</td>
<td>Leaves</td>
<td>Labs</td>
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<tr>
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<td>MACC.K12.MP.4.1</td>
<td>• Be Flexible</td>
<td>Root</td>
<td>Student Driven assessments</td>
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<tr>
<td></td>
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<td>MACC.K12.MP.5.1</td>
<td>• Work Independently</td>
<td>Self-pollination</td>
<td>Student Progress monitoring</td>
</tr>
<tr>
<td></td>
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<td>MACC.K12.MP.6.1</td>
<td>• Be Self-directed</td>
<td>Stem</td>
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<td>MACC.K12.MP.7.1</td>
<td>• Work Effectively in Diverse Teams</td>
<td>Phloem</td>
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<td>MACC.K12.MP.8.1</td>
<td>• Manage Projects</td>
<td>Xylem</td>
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<td>• Produce Results</td>
<td>Germination</td>
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<td>• Guide and Lead Others</td>
<td>Perennial</td>
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</tbody>
</table>

**Key Terminology:**
- Angiosperm
- Annual
- Asexual production
- Biennial
- Cutting
- Flower
- Leaves
- Root
- Self-pollination
- Stem
- Phloem
- Xylem
- Germination
- Perennial
- Monocot
- Dicot
- Leaves
- Seed coat
- Soil
- Fertilizer
- Pesticide
Course Title: Exploration of Agriscience

UNIT/ORGANIZING PRINCIPLE: Food Science

ESSENTIAL QUESTIONS: How does food science impact and influence your diet?

<table>
<thead>
<tr>
<th>MEASUREMENT TOPIC/OUTCOME</th>
<th>CTE PERFORMANCE TASKS</th>
<th>COMMON CORE STANDARDS</th>
<th>21 CENTURY SKILLS</th>
<th>ASSESSMENTS (Formative/Summative)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrate knowledge and skills in food science</td>
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<tr>
<td>05.01</td>
<td>Demonstrate the proper handling and storage of food products(s)</td>
<td>LACC.68.RST.1.1, LACC.68.RST.1.2, LACC.68.RST.1.3, LACC.68.RST.3.7, LACC.68.RST.4.10, LACC.68.WHST.1.1, LACC.68.WHST.1.2, LACC.68.WHST.2.4, LACC.68.WHST.2.6, LACC.68.WHST.3.7, LACC.68.WHST.3.9, MACC.K12.MP.1.1, MACC.K12.MP.2.1, MACC.K12.MP.3.1, MACC.K12.MP.5.1, MACC.K12.MP.6.1</td>
<td>Financial, Economic, Business and Entrepreneurial Literacy, Civic Literacy, Health Literacy, Think Creatively, Work Creatively with Others, Implement Innovations, Reason Effectively, Using Systems Thinking, Solve Problems</td>
<td>Suggested Topics/Resources: Key Terms: Food safety, Food sanitation, Irradiation, Blanching, Packaging, Preserving, Standard, Marketing, Processing, USDA, FDA. Resources: CTE/FCAT projects “Where is the Beef?”</td>
</tr>
<tr>
<td>05.02</td>
<td>Demonstrate at least one method of food preservation(s)</td>
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<tr>
<td>05.03</td>
<td>Conduct a food taste test(p)</td>
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<tr>
<td>05.04</td>
<td>Produce and market a food product(P)</td>
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<tr>
<td>05.05</td>
<td>Read, interpret, and develop a food label.</td>
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<tr>
<td>05.06</td>
<td>Describe the components of a balanced diet</td>
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<tr>
<td>05.07</td>
<td>Identify and compare USDA standards and grades for agricultural products.</td>
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</tr>
</tbody>
</table>

The following are suggested methods of assessment to be used at teacher discretion:

- Written Evaluation
- Discussion
- Fill in the blank
- Multiple choice
- Matching
- Exit Tickets
- Writing prompts
- Group Discussion
- Debates
- Individual/Group Projects
- Labs
- Student Driven assessments
- Student Progress monitoring

Revised 12/2016
**Course Title:** Exploration of Agriscience  
**CURRICULUM MAP**

**UNIT/ORGANIZING PRINCIPLE:** Animal Science  
**UNIT PACING:** 4 Weeks

**UNIT NUMBER:** 7

**ESSENTIAL QUESTIONS:** What are the key components of animal science?

<table>
<thead>
<tr>
<th>MEASUREMENT TOPIC/OUTCOME</th>
<th>CTE PERFORMANCE TASKS</th>
<th>COMMON CORE STANDARDS</th>
<th>21 CENTURY SKILLS</th>
<th>UNIT TOPICS</th>
<th>ASSESSMENTS (Formative/Summative)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply knowledge and skills in animal sciences</td>
<td>Describe the differences between animal welfare and animal rights</td>
<td>LACC.68.RST.1.1 LACC.68.RST.1.2 LACC.68.RST.1.3 LACC.68.RST.1.7 LACC.68.RST.4.10 LACC.68.WHST.1.1 LACC.68.WHST.1.2 LACC.68.WHST.2.4 LACC.68.WHST.2.6 LACC.68.WHST.3.7</td>
<td>• Financial Economic, Business and Entrepreneurial Literacy • Civic Literacy • Health Literacy • Think Creatively • Work Creatively with Others • Implement Innovations • Reason Effectively • Using Systems Thinking • Solve Problems • Making Judgments and Decisions • Collaborate with Others</td>
<td><strong>Suggested Topics/Resources</strong></td>
<td>The following are suggested methods of assessment to be used at teacher discretion:</td>
</tr>
<tr>
<td>04.01</td>
<td></td>
<td></td>
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<td><strong>Key Terms:</strong> Animal well-being Ruminant Monogastric Domestication Growth Mammal Nutrient Animal welfare Animal rights Organ system Breeds Service animal Livestock</td>
<td>Written Evaluation Discussion Fill in the blank Multiple choice Matching Exit Tickets Writing prompts Group Discussion Debates Individual/Group Projects Labs Student Driven assessments Student Progress monitoring</td>
</tr>
<tr>
<td>04.02</td>
<td>Discuss the technology involved in the development of improved animal products</td>
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<tr>
<td>04.03</td>
<td>Identify breeds of livestock</td>
<td></td>
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<tr>
<td>04.04</td>
<td>Identify agribusinesses that provide supplies and services to animal science industries in the state</td>
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<tr>
<td>04.05</td>
<td>Describe uses of livestock and their products.</td>
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</tr>
</tbody>
</table>

**Key Terms: Animal well-being, Ruminant, Monogastric, Domestication, Growth, Mammal, Nutrient, Animal welfare, Animal rights, Organ system, Breeds, Service animal, Livestock**

**Resources:** Agriculture Discovery Text Chapter 6 page 72 Exploring Agriscience page 339
<table>
<thead>
<tr>
<th>MEASUREMENT TOPIC/OUTCOME</th>
<th>CTE PERFORMANCE TASKS</th>
<th>COMMON CORE STANDARDS</th>
<th>21 CENTURY SKILLS</th>
<th>UNIT TOPICS</th>
<th>ASSESSMENTS (Formative/Summative)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply knowledge and skills in natural resources</td>
<td>08.01 Identify methods or practices of conserving natural resources.</td>
<td>LACC.68.RST.1.1 LACC.68.RST.1.2 LACC.68,RST 2.6 LACC.68,RST 4.10 LACC.68,RST 3.8 LACC.68,WHST 1.2 LACC.68,WHST 2.4 LACC.68,WHST 2.6 LACC.68,WHST 3.8 LACC.68,WHST 4.10 MACC.K12.MP.8.1 MACC.K12</td>
<td>• Global Awareness • Financial, Economic, Business and Entrepreneurial Literacy • Civic Literacy • Environmental Literacy • Think Creatively • Work Creatively with Others • Implement Innovations • Reason Effectively • Make judgments and decisions • Communicate Clearly • Collaborate with Others</td>
<td>Suggested Topics/Resources</td>
<td>The following are suggested methods of assessment to be used at teacher discretion:</td>
</tr>
<tr>
<td>08.02 Demonstrate a method or practice of conservation.</td>
<td></td>
<td></td>
<td></td>
<td>Key Terms: Renewable Resource Nonrenewable Resource Natural Resource Pollution Hydrological Cycle Erosion Recycle Deforestation Ecosystem Biodiversity Sustainable Agriculture Food Web Conservation</td>
<td>Written Evaluation Discussion Fill in the blank Multiple choice Matching Exit Tickets Writing prompts Group Discussion Debates Individual/Group Projects Labs Student Driven assessments Student Progress monitoring</td>
</tr>
<tr>
<td>08.03 Identify major ecosystems in Florida.</td>
<td></td>
<td></td>
<td></td>
<td>Resources: Incredible Environment – CTE/FCAT Project Edible Aquifer - CTE/FCAT</td>
<td></td>
</tr>
</tbody>
</table>
# Exploration of Agriscience

## CURRICULUM MAP

**Course Title:** Exploration of Agriscience  
**Course Number:** 8100210  
**UNIT/ORGANIZING PRINCIPLE:** Processing and Marketing  
**UNIT PACING:** 2 Weeks  
**UNIT NUMBER:** 9  

### ESSENTIAL QUESTIONS

How does food processing and packaging impact the consumer?

### MEASUREMENT TOPIC/OUTCOME | CTE PERFORMANCE TASKS | COMMON CORE STANDARDS | 21 CENTURY SKILLS | UNIT TOPICS | ASSESSMENTS (Formative/Summative)
--- | --- | --- | --- | --- | ---
Apply knowledge and skills in agricultural processing and marketing  
07.01 | Identify processing and packaging techniques used in agriculture.  
07.02 | Discuss the difference in marketing strategies between perishable and nonperishable commodities.  
07.03 | Describe how processing, packaging and marketing affect the price of an item.  
07.04 | Recognize misleading advertising.  
07.05 | Describe how competition benefits the consumer.  | LACC.68.RST.1.1  
LACC.68.RST.1.2  
LACC.68.RST.1.3  
LACC.68.RST.2.6  
LACC.68.RST.3.8  
LACC.68.RST.3.9  
LACC.68.WHST.1.1  
LACC.68.WHST.1.2  
LACC.68.WHST.2.4  
LACC.68.WHST.2.6  
LACC.68.WHST.3.9  
MACC.K12.MP.2.1  
MACC.K12.MP.4.1  
MACC.K12.MP.5.1  
MACC.K12.MP.6.1  
MACC.K12.MP.7.1  
MACC.K12.MP.8.1  | • Think Creatively  
• Work Creatively with Others  
• Implement Innovations  
• Reason Effectively  
• Use Systems Thinking  
• Make Judgments and Decisions  
• Solve Problems  
• Communicate Clearly  
• Collaborate with Others  
• Use and manage Information  
• Apply Technology Effectively  
• Adapt To Change  
• Be Flexible  
• Work Independently  
• Be Self-directed Learners  
• Work Effectively in Diverse Teams  
• Manage Projects  
• Produce Results  
• Guide and Lead Others  | Suggested Topics/Resources  
**TERMS**  
Perishable  
USDA  
FDA  
Grading  
Processing  
Canning  
Packaging  
Reading to eat meals  
Commodity  
Market Price  | The following are suggested methods of assessment to be used at teacher discretion:  
Written Evaluation  
Discussion  
Fill in the blank  
Multiple choice  
Matching  
Exit Tickets  
Writing prompts  
Group Discussion  
Debates  
Individual/Group Projects  
Labs  
Student Driven assessments  
Student Progress monitoring  |  
**RESOURCES:**  
Georgia Ag Ed website  
FDACS

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Revised 12/2016
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<tbody>
<tr>
<td>Apply knowledge and skills in forestry production</td>
<td>Identify the major forestry regions of the United States and Florida.</td>
<td>LACC.68.RST.1.1 LACC.68.RST.1.2 LACC.68.RST.1.3 LACC.68.RST.2.6 LACC.68.RST.3.8 LACC.68.RST.3.9 LACC.68.WHST.1.1 LACC.68.WHST.1.2 LACC.68.WHST.2.4 LACC.68.WHST.2.6 LACC.68.WHST.3.9 MACC.K12.MP.2.1 MACC.K12.MP.4.1 MACC.K12.MP.5.1 MACC.K12.MP.6.1 MACC.K12.MP.7.1 MACC.K12.MP.8.1</td>
<td>• Think Creatively  • Work Creatively with Others  • Implement Innovations  • Reason Effectively  • Use Systems Thinking  • Make Judgments and Decisions  • Solve Problems  • Communicate Clearly  • Collaborate with Others  • Use and manage Information  • Apply Technology Effectively  • Adapt To Change  • Be Flexible  • Work Independently  • Be Self-directed Learners  • Work Effectively in Diverse Teams  • Manage Projects  • Produce Results  • Guide and Lead Others</td>
<td>Suggested Topics/Resources</td>
<td>The following are suggested methods of assessment to be used at teacher discretion:</td>
</tr>
<tr>
<td>0.3.01</td>
<td>Describe the importance of forests and forestry products.</td>
<td></td>
<td></td>
<td>TERMS</td>
<td>Forestry  Compass  Dendrology  Prescribed Burns  Timber  Pulpwood  Tree rings  Gymnosperm  Angiosperm  Harwood</td>
</tr>
<tr>
<td>0.3.02</td>
<td>Describe how trees grow, reproduce and components of forest health.</td>
<td></td>
<td></td>
<td>RESOURCES:</td>
<td>Georgia Ag Ed website  FDACS</td>
</tr>
<tr>
<td>0.3.03</td>
<td>Describe tools and techniques common to the forestry industry.</td>
<td></td>
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<tr>
<td>0.3.04</td>
<td>Identify pests, pathogens, parasites and predators of forests.</td>
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