



Gasconade R-2

Objective Course Curriculum Report for: AgScience I - Ninth Grade

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Name

AgScience I Objective 1

Unit Objective

1. Students will be able to identify career opportunities in the agriculture industry.
2. Match personal qualifications with appropriate occupations.

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Sequence

1

Assessment Methods

Essential Questions

Course

AgScience I

Unit

01 Careers

Objective used to assess students

Formative Assessment Activities

1. Upon completion of the unit, students will be able to select a career(s) appropriate for their personal interests
2. Complete brief worksheets and quizzes

Depth of Knowledge

80%

Learning Activity

1. Provide each student with personal survey to determine possible career match
2. Students research careers using internet or Occupation books

Research-based Instructional Strategies

1. Research using technology

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Code	Subject	Grade	RI
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Show-Me Standards

Code	Subject	Grade	Standard	Goal
2	Communication Arts	Grades: K-12	reading and evaluating fiction, poetry and drama	
5	Communication Arts	Grades: K-12	comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	
1.2	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Conduct research to answer questions and evaluate information and ideas
2.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.	Plan and make written, oral and visual presentations for a variety of purposes and audiences
1.8	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 2

Unit Objective

1. Describe the tradition and opportunities of FFA
2. Demonstrate skills and responsibilities of an FFA member

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Sequence

2

Assessment Methods

Essential Questions

Course

AgScience I

Unit

02Leadership I

Objective used to assess students

Formative Assessment Activities

1. Complete a brochure covering background, history, & tradition of FFA
2. Complete brief worksheets and quizzes

Depth of Knowledge

80%

Learning Activity

Research-based Instructional Strategies

1. Teacher will provide a variety of sources to teach the history of the FFA including the FFA manual, FFA handbook, and FFA website

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Code	Subject	Grade	Standard	Goal
1	Communication Arts	Grades: K-12	speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	
6	Communication Arts	Grades: K-12	participating in formal and informal presentations and discussions of issues and ideas	
2.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.	Plan and make written, oral and visual presentations for a variety of purposes and audiences
2.3	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.	Exchange information, questions and ideas while recognizing the perspectives of others
4.6	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.	Identify tasks that require a coordinated effort and work with others to complete those tasks

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

Unit Objective

1. Upon completion of this unit students will complete plans for an SAE program

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Sequence

3

Assessment Methods

Essential Questions

Course

AgScience I

Unit

03Leadership I

Objective used to assess students

Formative Assessment Activities

1. Complete plan and goals for individual SAE project

Depth of Knowledge

80%

Learning Activity

1. Research information about the purpose and possible SAE projects
2. Match SAE project to personal interest

Research-based Instructional Strategies

1. Provide a variety of sources and possibilities of SAE projects
2. Complete SAE form
3. Develop a graphic organizer using Inspiration (MAP activity)

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Missouri School Improvement Program

Code	Subject	Grade	RI
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Show-Me Standards

Code	Subject	Grade	Standard	Goal
3	Communication Arts	Grades: K-12	reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)	
1.8	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
4.4	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.	Recognize and practice honesty and integrity in academic work and in the workplace

Grade and Course Level Standards

Common Core Standards

Version

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 4

Unit Objective

1. Students will be able to maintain the Missouri Agriculture Record Book for Secondary Students

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4

Assessment Methods

Essential Questions

Course

AgScience I

Unit

04Leadership I

Objective used to assess students

Formative Assessment Activities

1. Each student will be responsible for maintaining individual record keeping system including receipts, expenditures, inventory, and financial statement

Depth of Knowledge

80%

Learning Activity

1. Maintain a sample record book including receipts and expenditures.

Research-based Instructional Strategies

1. Provide sample entries and examples of possible entries into MO Agriculture Record Book

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Code	Subject	Grade	W
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Show-Me Standards

Code	Subject	Grade	Standard	Goal
1	Mathematics	Grades: K-12	addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations	
4	Mathematics	Grades: K-12	patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts	
1.4	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Use technological tools and other resources to locate, select and organize information
3.4	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.	Evaluate the processes used in recognizing and solving problems

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

Unit Objective

1. Students will be able to explain the purpose and importance of animal reproduction
2. Understand basics of the role of genetics and genetic improvement

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Sequence

5

Assessment Methods

Essential Questions

Course

AgScience I

Unit

Objective used to assess students

Formative Assessment Activities

1. Identify male and female reproductive parts for production species
2. Brief quizzes and worksheets

Depth of Knowledge

80%

Learning Activity

1. Using Punnet Square determine the phenotype and genotype of animal characteristics.
2. Students create possible combinations of homozygous and heterozygous genotypes and determine probability of phenotype

Research-based Instructional Strategies

1. Sample problems using Punnet Square and probability (MAP activity)

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
3	Science	Grades: K-12	characteristics and interactions of living organisms	
8	Science	Grades: K-12	impact of science, technology and human activity on resources and the environment	
1.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Develop questions and ideas to initiate and refine research

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 6

Unit Objective

1. Differentiate between monogastric and ruminant digestive systems and demonstrate how to balance a food ration based on the animal's nutritional needs.

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Sequence

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Assessment Methods

Essential Questions

Course

AgScience I

Unit

06Nutrition

Objective used to assess students

Formative Assessment Activities

1. Brief quizzes and worksheets
2. Describe the importance of maintaining the nutritional needs of production animals
3. Demonstrate the procedure for balancing a ration

Depth of Knowledge

Learning Activity

1. Using feed labels from different feeds for a variety of animals, understand and evaluate the importance of each element
2. Balance a ration using Pearson square method

Research-based Instructional Strategies

1. Sample problems using Pearson square method

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Code	Subject	Grade	RI
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Show-Me Standards

Code	Subject	Grade	Standard	Goal
3	Science	Grades: K-12	characteristics and interactions of living organisms	
8	Science	Grades: K-12	impact of science, technology and human activity on resources and the environment	
1.2	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Conduct research to answer questions and evaluate information and ideas
3.4	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.	Evaluate the processes used in recognizing and solving problems

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 7

Unit Objective

1. Students will be able to evaluate beef cattle based on current trends in the beef industry, using breed and purpose as a basis for evaluation.

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Sequence

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Assessment Methods

Essential Questions

Course

AgScience I

Unit

07Beef

Objective used to assess students

Formative Assessment Activities

1. Describe the importance of the beef industry and beef breeds
2. Able to select beef cattle and compare beef production systems
3. Complete a brochure covering aspects of the beef industry including nutrition facts, beef by-products, and retail beef cuts.

Depth of Knowledge

80%

Learning Activity

1. Research at least 20 different important beef breeds using OK State Website (<http://www.ansi.okstate.edu/breeds/cattle/>)

Research-based Instructional Strategies

1. Provide sources for students to research each beef breed and different types of production systems.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Code	Subject	Grade	RI
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Show-Me Standards

Code	Subject	Grade	Standard	Goal
1	Communication Arts	Grades: K-12	speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	
3	Science	Grades: K-12	characteristics and interactions of living organisms	
1.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Develop questions and ideas to initiate and refine research
1.4	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Use technological tools and other resources to locate, select and organize information

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 8

Unit Objective

1. Students will identify the basic swine production management procedures.
2. Select the correct type of swine for efficient economical production.
3. Identify practices for management of the breeding herd during breeding and gestation.

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Sequence

8

Assessment Methods

Essential Questions

Course

AgScience I

Unit

08Swine

Objective used to assess students

Formative Assessment Activities

1. Brief quizzes and worksheets
2. Complete a flyer of the pros and cons about the swine industry to include environment, nutritional facts, and economy

Depth of Knowledge

Learning Activity

1. Students will combine production information and visual selection choose superior animals
2. Students will gain information regarding swine breeds and production systems through teacher created Power Point

Research-based Instructional Strategies

1. Provide material and technology for students to gather information regarding the swine industry

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
5	Communication Arts	Grades: K-12	comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)	
6	Health/Physical Education	Grades: K-12	consumer health issues (such as the effects of mass media and technologies on safety and health)	
1.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Develop questions and ideas to initiate and refine research
4.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.	Explain reasoning and identify information used to support decisions

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 9

Unit Objective

1. Students will use the Missouri Agriculture Record Book to record expenses, receipts, inventory, and list of activities

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Sequence

9

Assessment Methods

Essential Questions

Course

AgScience I

Unit

09MO Ag Recordbook

Objective used to assess students

Formative Assessment Activities

1. Complete summary sheets and monthly reports

Depth of Knowledge

Learning Activity

1. Students will complete sample recordbook pages for one year. 2. Students will begin individual recordbook and maintain records beginning in January

Research-based Instructional Strategies

1. Provide examples of expenditure, receipt, and summary pages

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Missouri School Improvement Program

Code	Subject	Grade	W
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Show-Me Standards

Code	Subject	Grade	Standard	Goal
1	Communication Arts	Grades: K-12	speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)	
1.8	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
4.4	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.	Recognize and practice honesty and integrity in academic work and in the workplace
4.5	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.	Develop, monitor and revise plans of action to meet deadlines and accomplish goals

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 10

Unit Objective

1. Explain how, when and why the National FFA Organization was founded.
2. Describe that mission and strategies, color, motto, parts of the emblem, and organizational structure of the National Organizational Structure.
3. Recite and explain the meaning of the FFA Creed.
4. Explain the purpose of FFA's Program of Activities and describe its committee structure.

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Sequence

10

Assessment Methods

Essential Questions

Course

AgScience I

Unit

10History and Organization of FFA

Objective used to assess students

Formative Assessment Activities

The students will do a worksheet over the following information that was presented to them. They will also be required to recite the Creed one paragraph at a time

Depth of Knowledge

Learning Activity

Research-based Instructional Strategies

The teacher will teach the students using power points as well as the FFA handbook

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
6	Social Studies	Grades: K-12	relationships of the individual and groups to institutions and cultural traditions	
1.9	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Identify, analyze and compare the institutions, traditions and art forms of past and present societies

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 11

Unit Objective

1. Describe how FFA develops leadership skills, personal growth, and career success.
2. Identify major state and national activities available to FFA members.

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Sequence

11

Assessment Methods

Essential Questions

Course

AgScience I

Unit

11 Opportunities in FFA

Objective used to assess students

Formative Assessment Activities

The students will be assessed by doing a worksheet of questions that were addressed during the power point.

Depth of Knowledge

Learning Activity

Research-based Instructional Strategies

The teacher will teach the class by using a power point presentation

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
6	Social Studies	Grades: K-12	relationships of the individual and groups to institutions and cultural traditions	
3.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.	Identify problems and define their scope and elements

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 12

Unit Objective

1. Describe the four FFA degree areas.
2. Identify the FFA proficiency awards.
3. Explain the various team and individual career development events.

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Sequence

12

Assessment Methods

Essential Questions

Course

AgScience I

Unit

12Achievement in FFA

Objective used to assess students

Formative Assessment Activities

Students will need to complete quiz.

Depth of Knowledge

Learning Activity

Students will take notes and ask questions.

Research-based Instructional Strategies

Teacher will provide information using power point.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
6	Social Studies	Grades: K-12	relationships of the individual and groups to institutions and cultural traditions	
3.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.	Identify problems and define their scope and elements

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 13

Unit Objective

1. Describe the duties and responsibilities of FFA chapter officers.
- 2 Explain the characteristics of a good FFA leader and the proper dress for all FFA members.

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Sequence

13

Assessment Methods

Essential Questions

Course

AgScience I

Unit

13Leading the FFA Chapter

Objective used to assess students

Formative Assessment Activities

Depth of Knowledge

Learning Activity

Classroom discussion on the characteristics of good leadership. Have the students take notes during the discussion. Use VM-C as a visual aid during the discussion. Invite an FFA officer to class to demonstrate the official dress.

Research-based Instructional Strategies

1. Invite a current or past FFA officer to speak to the class about the duties and responsibilities of an FFA chapter officer.
2. Use VM-A to illustrate the symbols associated with each chapter officer. VM-B may be used to explain the characteristics of a good officer. Use LS-A to help students understand the duties of the various chapter officers.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
6	Social Studies	Grades: K-12	relationships of the individual and groups to institutions and cultural traditions	
3.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.	Identify problems and define their scope and elements

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 14

Unit Objective

1. Explain the importance of goals and career ladders.
2. Define supervised agricultural experience.
3. Identify the benefits of supervised agricultural experience programs

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Sequence

14

Assessment Methods

Essential Questions

Course

AgScience I

Unit

14Benefits of an SAE Program

Objective used to assess students

Formative Assessment Activities

Students will need to complete quiz.

Depth of Knowledge

Learning Activity

Students will take notes and ask questions.

Research-based Instructional Strategies

Teacher will provide information using power point.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
6	Social Studies	Grades: K-12	relationships of the individual and groups to institutions and cultural traditions	
1.9	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Identify, analyze and compare the institutions, traditions and art forms of past and present societies
1.10	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 15

Unit Objective

1 Explain how to plan a meeting and develop an order of business. 2 Describe how to set up a meeting room. 3 Explain the parliamentary procedure used in an FFA meeting.

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Sequence

15

Assessment Methods

Essential Questions

Course

AgScience I

Unit

15Planning and Conducting Effective Meetings

Objective used to assess students

Formative Assessment Activities

Students will need to complete quiz.

Depth of Knowledge

Learning Activity

Students will take notes and ask questions. After the lesson, the students will perform a mock meeting to show their full understanding of how a meeting is ran.

Research-based Instructional Strategies

Teacher will present information using power point. Teacher will also over seemock meeting and make changes as needed.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
6	Social Studies	Grades: K-12	relationships of the individual and groups to institutions and cultural traditions	
1.6	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Discover and evaluate patterns and relationships in information, ideas and structures

Grade and Course Level Standards

Common Core Standards

Version

1

Files

Date Range

Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 16

Unit Objective

1 Explain the difference between entrepreneurship and placement SAEs. 2 Describe exploratory SAEs and research and experimentation SAEs. 3 Identify the characteristics and student responsibilities associated with a good SAE program.

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Modification Date

Sequence

16

Assessment Methods

Essential Questions

Course

AgScience I

Unit

16Types of SAE Programs

Objective used to assess students

Formative Assessment Activities

Students will need to complete quiz.

Depth of Knowledge

Learning Activity

Students will take notes and ask questions.

Research-based Instructional Strategies

Teacher will provide information using power point.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
7	Social Studies	Grades: K-12	the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	
2.1	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.	Plan and make written, oral and visual presentations for a variety of purposes and audiences
1.8	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.	Organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation

Grade and Course Level Standards

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Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 17

Unit Objective

1 Identify career interest areas in agriculture. 2 Describe the skills needed for career success. 3 Explore opportunities for SAE programs.

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Assessment Methods

Essential Questions

Course

AgScience I

Unit

17Possible SAE Programs

Objective used to assess students

Formative Assessment Activities

Students will need to complete quiz.

Depth of Knowledge

Learning Activity

Students will take notes and ask questions.

Research-based Instructional Strategies

Teacher will provide information using power point.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
7	Social Studies	Grades: K-12	the use of tools of social science inquiry (such as surveys, statistics, maps, documents)	
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Grade and Course Level Standards

Common Core Standards

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Other Standards

Other Diverse Learners

Students Self-Reflection About Personal Goals

Use of Technology

Guiding Questions

Guiding Questions Depth of Knowledge

Summative Assessment Activities

Summative Correction Exercise

Family and Community Involvement

Name

AgScience I Objective 18

Unit Objective

1 Identify the male reproductive organs and their functions in mammals. 2 Identify the female reproductive organs and their functions in mammals. 3 Define and explain the steps of spermatogenesis and oogenesis, and describe sperm and egg characteristics. 4 Identify the male and female reproductive organs and their functions in poultry. 5 Describe the methods used to castrate and neuter animals, and explain the benefits of castration and neutering. 6 Explain the phases of reproductive development in the life of an animal, and determine an animal's readiness for breeding.

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Assessment Methods

Essential Questions

Course

AgScience I

Unit

18Anatomy and Physiology of Animal Reproductive Systems

Objective used to assess students

Formative Assessment Activities

Students will need to complete quiz.

Depth of Knowledge

Learning Activity

Students will take notes and ask questions.

Research-based Instructional Strategies

Teacher will provide information using power point.

Supporting Resources

Correction Exercise

Enrichment Exercise for Accelerated Learners

Remediation for Struggling Learners

English Language Learner

District Defined

Objective is A+

Missouri School Improvement Program

Show-Me Standards

Code	Subject	Grade	Standard	Goal
3	Science	Grades: K-12	characteristics and interactions of living organisms	
3.8	Knowledge Standards	Grades: K-12	Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.	Assess costs, benefits and other consequences of proposed solutions

Grade and Course Level Standards

Common Core Standards

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Students Self-Reflection About Personal Goals

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Guiding Questions Depth of Knowledge

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