

Fundamentals of Animal Science

Course Description:

Fundamentals of Animal Science/Lab*

Credits: 1	Appr	oved CTE Course
Prerequisit	es: Biology is essential for success	Grade: 11,12

This course involves the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will learn the characteristics of animal science and work on major projects and problems like those that veterinarians, zoologists, livestock producers, and industry personnel face in their respective careers.

Attendance: Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

Essential Skills:

S K	Safety
l L	A. I can explain and identify safe practices.
L #	B. I can demonstrate and use safe practices.
1	C. I can create or critique safe agricultural practices.
S K	Agricultural Literacy
l L	A. I can use relevant terminology and identify common items used in a variety of agricultural contexts.
L #	B. I can describe and discuss the impact of agricultural concepts on society.
# 2	C. I can develop products for use in the real world.
S K	Applied Science
l L	A. I can analyze and interpret scientific representations and data sources.
L #	B. I can identify and use proper scientific processes in laboratory and field settings.
3	C. I can make scientifically sound management recommendations.

Course Expectations: Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)

- 2. Use morning time and teacher to seek help outside of class when needed.
- 3. Complete all assessments within teacher timelines.

Grading

Learning (Practice) includes instructional activities in and outside of class and are not used in grade determination.

Skyward Assessment (Grades) may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

Final Grade						
^	100% -					
A	90%					
В	80% - 89%					
С	70% - 79%					
D	60% - 69%					
F	0% - 59%					

Calculations:

Semester Grade					
Semester Grade	95%				
Semester Exam	5%				
Final Grade					
Final Grade Semester 1	50%				

Central High School Courses:

Will determine grades based on student learning and growth.
Will not include practice and behavior in grade determination.
Will give all students regardless of absence an opportunity to demonstrate learning.

-Will not include extra credit.

Instructional Resources:

	Online	Print	Other
--	--------	-------	-------

Canvas	 CASE for Learning 	 Minecraft
 FFA.org 	Curriculum	Classroom
 TheAet.com 	SD FFA Association ID	manipulatives and
MyiCEV	lists	industry tools
Quizlet	 Project WYLD and 	• Laboratory Equipment
 Kahoot 	Project WET	• Live animals and plants
 Blooket 	Agriscience Library	Water and Soil and
You Tube	o Reference texts	associated testing
 Lesson Specific 	(ID books,	tools and equipment
Simulators and games	medical	 Guest presenters
 National Soil Survey 	dictionaries, etc.)	 Field labs (outdoor)
Website	o Course textbooks	lessons
Cornell Bird	o Biographies of	Leadership
Identification Library	Agricultural	Development Films
 Explor.Org Wildlife 	Leaders (Temple	Science
Cams	Grandin, Norman	Documentaries of
 National/State Park 	Borlaug, etc.)	associated content
Websites	o Historical Texts	
	(Sand County	
	Almanac)	

Course Calendar/Pacing:

| August/September | | | | |

 | - | 0
 | ctob
 | er | |
 | Τ | | | No
 | vem | ber | - | |
 | | |
|------------------|--|--|--|--
--

--
--

--
---|--|--
--|--
---|--|--|--|--|--
--|--|--
--|
| | - | 3 | 3 | 1 | 2

 | 3 |
 | 2
 | 3 | 4 | 5
 | 6 | 7 | 8 |
 | | | 1 | 2 | 3
 | 4 | 5 |
| | | 0 | 1 | |

 | |
 | 0
 | 1 | 1 | 1
 | 1 | 1 | 1 |
 | 6 | 7 | Q | 0 | 1
 | 1 | 1 |
| 4 | 5 | 6 | 7 | 8 | 9

 | 1 |
 | 9
 | 0 | | 2
 | 3 | 4 | 5 | | |
 | 0 | 1 | 0 | 9 |
 | 1 | 2 |
| | | | | |

 | 0 |
 | 1
 | 1 | 1 | 1
 | 2 | 2 | 2 |
 | 1 | 1 | 1 | 1 | 1
 | 1 | 1 |
| 1 | 1 | | | |

 | 1 |
 | 6
 | 7 | 8 | 9
 | 0 | 1 | 2 |
 | 3 | 4 | 5 | 6 | 7
 | 8 | 9 |
| 1 | 2 | 3 | 4 | 5 | 6

 | <u> </u> |
 | 2
 | 2 | 2 | 2
 | 2 | 2 | 2 |
 | 2 | 2 | 2 | 2 | 2
 | 2 | 2 |
| ו
א | a | | 2 | 2 | 2

 | |
 | 3
 | 4 | 5 | 6
 | 7 | 8 | 9 |
 | 0 | 1 | 2 | 3 | 4
 | 5 | 6 |
| 2 | 2 | 2 | 2 | 2 | 3

 | |
 | 3
 | 3 | | | |
 | | | |
 | 2 | 2 | 2 | 3 |
 | | |
| 5 | 6 | 7 | 8 | 9 | 0

 | |
 | 0
 | 1 | | | | |
 | | | |
 | 7 | 8 | 9 | 0 |
 | | |
| | | | | |

 | · · · · |
 |
 | | | | | |
 | | | |
 | | | | |
 | | |
| | - | De | cem | ber |

 | |
 | _
 | | Ja | inua
 | ry | | |
 | | | Fe | brua | ary
 | | |
| | | | | 1 | 2

 | 3 |
 | 1
 | 2 | 3 | 4
 | 5 | 6 | 7 |
 | | | | 1 | 2
 | 3 | 4 |
| Δ | 5 | 6 | 7 | 8 | a

 | 1 |
 | 8
 | Q | 1 | 1
 | 1 | 1 | 1 |
 | 5 | 6 | 7 | 8 | a
 | 1 | 1 |
| - | | | , | |

 | 0 |
 | 0
 | | 0 | 1
 | 2 | 3 | 4 | |
 | 5 | U | 1 | |
 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1

 | 1 |
 | 1
 | 1 | 1 | 1
 | 1 | 2 | 2 |
 | 1 | 1 | 1 | 1 | 1
 | 1 | 1 |
| 1 | 2 | 3 | 4 | 5 | 6

 | 7 |
 | 5
 | 6 | 7 | 8
 | 9 | 0 | 1 |
 | 2 | 3 | 4 | 5 | 6
 | 7 | 8 |
| 1 | 1 | 2 | 2 | 2 | 2

 | 2 |
 | 2
 | 2 | 2 | 2
 | 2 | 2 | 2 |
 | 1 | 2 | 2 | 2 | 2
 | 2 | 2 |
| 8 | 9 | 0 | 1 | 2 | 3

 | 4 |
 | 2
 | 3 | 4 | 5
 | 6 | 7 | 8 |
 | 9 | 0 | 1 | 2 | 3
 | 4 | 5 |
| | | | | |

 | | 1
 | 2
 | 2 | 2 | | |
 | | | |
 | 2 | 2 | 2 | |
 | | i |
| 2 | 2 | 2 | 2 | 2 | 3

 | |
 | 2
 | 3 | 3 | | |
 | | | |
 | 2 | 2 | | |
 | | |
| | 4
1
1
8
2
5
4
1
1
8 | Au
4 5
1 1
1 2
1 2
2 2
5 6
4 5
4 5
1 1
1 2
1 1
2 1
3 9
9 | August 3 1 5 1 1 1 2 3 0 4 5 1 1 1 2 3 0 1 1 2 2 5 6 7 7 4 5 6 7 4 5 1 1 1 2 3 3 1 1 1 2 3 3 1 1 2 3 1 1 2 3 1 1 2 3 1 2 3 9 | August/Seg 3 3 0 1 4 5 6 7 1 1 1 1 1 1 1 1 1 1 2 2 8 9 0 1 2 2 2 2 5 6 7 8 9 0 1 1 2 2 2 2 5 6 7 8 9 0 1 1 2 2 2 2 5 6 7 8 4 5 6 7 4 5 6 7 1 1 1 1 1 2 3 4 1 1 2 2 8 9 0 1 | August/Septem 3 3 1 0 1 0 1 4 5 6 7 8 1 1 1 1 1 1 1 1 1 1 1 2 3 4 5 1 1 2 2 2 8 9 0 1 2 2 2 2 2 2 5 6 7 8 9 0 1 2 2 2 2 5 6 7 8 9 9 1 1 1 1 1 1 4 5 6 7 8 9 1 1 1 1 1 1 4 5 6 7 8 1 1 2 3 4 5 1 1 1 2 2 2 2 <t< td=""><td>August/September 3 3 1 2 0 1 1 2 4 5 6 7 8 9 1 1 1 1 1 1 1 2 3 4 5 6 1 1 2 2 2 2 8 9 0 1 2 3 2 2 2 2 2 3 2 2 2 2 3 3 9 0 1 1 2 2 2 2 3 3 3 9 0 2 2 2 2 2 2 3 3 9 0</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 2 2 8 9 0 1 2 3 4 5 6 7 8 9 1 0 4 5 6 7 8 9 1 0 1 1 1 1 1 1 1 1 4<!--</td--><td>August/September 3 3 1 2 3 0 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 3 4 2 2 2 2 3 4 5 5 6 7 8 9 0 1 4 5 6 7 8 9 1 0 1 1 1 1 1 1 1 1 4 5 6 7<!--</td--><td>August/September 3 3 1 2 3 0 1 - - 9 4 5 6 7 8 9 1 1 1 1 1 1 1 6 1 1 1 1 1 1 6 2 3 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 6 2 3 3 4 5 6 7 3 4 3 2 2 2 2 2 3 4 3 3 5 6 7 8 9 0 5 6 7 8 9 1 4 5 6 7 8 9 1 8 1 1 1 1 1 1 1 1 1 5 2 2 2 2 2</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 2 2 2 3 4 3 3 0 1 2 3 4 3 3 0 1 2 2 2 2 2 3 4 3 3 0 1 2 2 2 2 3 4 3 3 0 1 4 5 6 7 8 9 1 1 1 1 1 1 5 6</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1<td>August/September O I 2 3 3 1 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 <th1< th=""></th1<></th1<></td><td>October$3$$3$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$1$$1$$2$$2$$2$$8$$9$$0$$1$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$3$$3$$1$$1$$1$$2$$2$$2$$2$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$4$$5$$6$$7$$8$$9$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 8
<</td><td>August/September33123456789145678911111111123456711222289012345678912222228901235678905678911111122223456789111111234567894567845671111122223456789111112222345678911111111111111111111112<t< td=""><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 3 3</td></t<><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1</td></td></td></td></td></t<> <td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1<td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1<td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1<td>August/September 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 1</th1<></td></td></td></td> | August/September 3 3 1 2 0 1 1 2 4 5 6 7 8 9 1 1 1 1 1 1 1 2 3 4 5 6 1 1 2 2 2 2 8 9 0 1 2 3 2 2 2 2 2 3 2 2 2 2 3 3 9 0 1 1 2 2 2 2 3 3 3 9 0 2 2 2 2 2 2 3 3 9 0 | August/September 3 3 1 2 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 2 2 8 9 0 1 2 3 4 5 6 7 8 9 1 0 4 5 6 7 8 9 1 0 1 1 1 1 1 1 1 1 4 </td <td>August/September 3 3 1 2 3 0 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 3 4 2 2 2 2 3 4 5 5 6 7 8 9 0 1 4 5 6 7 8 9 1 0 1 1 1 1 1 1 1 1 4 5 6 7<!--</td--><td>August/September 3 3 1 2 3 0 1 - - 9 4 5 6 7 8 9 1 1 1 1 1 1 1 6 1 1 1 1 1 1 6 2 3 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 6 2 3 3 4 5 6 7 3 4 3 2 2 2 2 2 3 4 3 3 5 6 7 8 9 0 5 6 7 8 9 1 4 5 6 7 8 9 1 8 1 1 1 1 1 1 1 1 1 5 2 2 2 2 2</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 2 2 2 3 4 3 3 0 1 2 3 4 3 3 0 1 2 2 2 2 2 3 4 3 3 0 1 2 2 2 2 3 4 3 3 0 1 4 5 6 7 8 9 1 1 1 1 1 1 5 6</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1<td>August/September O I 2 3 3 1 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 <th1<
th=""></th1<></th1<></td><td>October$3$$3$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$1$$1$$2$$2$$2$$8$$9$$0$$1$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$3$$3$$1$$1$$1$$2$$2$$2$$2$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$4$$5$$6$$7$$8$$9$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 8 <</td><td>August/September33123456789145678911111111123456711222289012345678912222228901235678905678911111122223456789111111234567894567845671111122223456789111112222345678911111111111111111111112<t< td=""><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 3 3</td></t<><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1</td></td></td></td> | August/September 3 3 1 2 3 0 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 3 4 2 2 2 2 3 4 5 5 6 7 8 9 0 1 4 5 6 7 8 9 1 0 1 1 1 1 1 1 1 1 4 5 6 7 </td <td>August/September 3 3 1 2 3 0 1 - - 9 4 5 6 7 8 9 1 1 1 1 1 1 1 6 1 1 1 1 1 1 6 2 3 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 6 2 3 3 4 5 6 7 3 4 3 2 2 2 2 2 3 4 3 3 5 6 7 8 9 0 5 6 7 8 9 1 4 5 6 7 8 9 1 8 1 1 1 1 1 1 1 1 1 5 2 2 2 2 2</td> <td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 2 2 2 3 4 3 3 0 1 2 3 4 3 3 0 1 2 2 2 2 2 3 4 3 3 0 1 2 2 2 2 3 4 3 3 0 1 4 5 6 7 8 9 1 1 1 1 1 1 5 6</td> <td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1<td>August/September O I 2 3 3 1 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 <th1< th=""></th1<></th1<></td><td>October$3$$3$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$1$$1$$2$$2$$2$$8$$9$$0$$1$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$3$$3$$1$$1$$1$$2$$2$$2$$2$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$4$$5$$6$$7$$8$$9$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 8 <</td><td>August/September33123456789145678911111111123456711222289012345678912222228901235678905678911111122223456789111111234567894567845671111122223456789111112222345678911111111111111111111112<t< td=""><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 2
 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 3 3</td></t<><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1</td></td></td> | August/September 3 3 1 2 3 0 1 - - 9 4 5 6 7 8 9 1 1 1 1 1 1 1 6 1 1 1 1 1 1 6 2 3 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 6 2 3 3 4 5 6 7 3 4 3 2 2 2 2 2 3 4 3 3 5 6 7 8 9 0 5 6 7 8 9 1 4 5 6 7 8 9 1 8 1 1 1 1 1 1 1 1 1 5 2 2 2 2 2 | August/September 3 3 1 2 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 2 2 2 2 8 9 0 1 2 3 4 2 2 2 2 2 2 2 2 3 4 3 3 0 1 2 3 4 3 3 0 1 2 2 2 2 2 3 4 3 3 0 1 2 2 2 2 3 4 3 3 0 1 4 5 6 7 8 9 1 1 1 1 1 1 5 6 | August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 <td>August/September O I 2 3 3 1 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 <th1< th=""></th1<></th1<></td> <td>October$3$$3$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$1$$1$$2$$2$$2$$8$$9$$0$$1$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$3$$3$$1$$1$$1$$2$$2$$2$$2$$2$$8$$9$$0$$1$$2$$3$$4$$5$$6$$7$$4$$5$$6$$7$$8$$9$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$4$$5$$6$$7$$8$$9$$1$$1$$1$$1$$1$$1$$1$$2$$3$$4$$5$$6$$7$$8$$9$$1$</td> <td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 8 <</td> <td>August/September33123456789145678911111111123456711222289012345678912222228901235678905678911111122223456789111111234567894567845671111122223456789111112222345678911111111111111111111112<t< td=""><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 3 3</td></t<><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1</td></td> | August/September O I 2 3 3 1 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 <th1< th=""></th1<></th1<> | October 3 3 1 2 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 1 1 2 2 2 8 9 0 1 2 8 9 0
1 2 3 4 5 6 7 3 3 1 1 1 2 2 2 2 2 8 9 0 1 2 3 4 5 6 7 4 5 6 7 8 9 4 5 6 7 8 9 1 1 1 1 1 1 1 2 3 4 5 4 5 6 7 8 9 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 | August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 1 1 2 3 4 5 6 7 8 < | August/September33123456789145678911111111123456711222289012345678912222228901235678905678911111122223456789111111234567894567845671111122223456789111112222345678911111111111111111111112 <t< td=""><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2</td><td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 3 3</td></t<> <td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1</td> | August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 | August/September 3 3 1 2 3 4 5 6 7 8 9 1 1 3 3 | August/September 3 3 1 2 3 4 5 6 7 8 9 1 | August/September 3 3 1 2 3 4 5 6 7 8 9 1 <td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1<td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1<td>August/September 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 1</th1<></td></td></td> | August/September 3 3 1 2 3 4 5 6 7 8 9 1 <td>August/September 3 3 1 2 3 4 5 6 7 8 9 1 1<td>August/September 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 1</th1<></td></td> | August/September 3 3 1 2 3 4 5 6 7 8 9 1 <td>August/September 2 3 4 5 6 7 8 9 1
 1 <th1< th=""> 1 1</th1<></td> | August/September 2 3 4 5 6 7 8 9 1 <th1< th=""> 1 1</th1<> |

March	April	May/June					
1 2 3 4	2 3 4 5 6 7 8	1 2 3 4 5 6					
5 6 7 8 9 1 11 0	9 1 1 1 1 1 1 1 0 1 2 3 4 5	7 8 9 1 1 1 1 0 1 2 3					
1 1 1 1 1 1 2 3 4 5 6 7 8	1 1 1 1 2 2 2 6 7 8 9 0 1 2	1 1 1 1 1 2 4 5 6 7 8 9 0					
1 2 2 2 2 2 2 9 0 1 2 3 4 5	22222223456789	2 2 2 2 2 2 2 1 2 3 4 5 6 7					
2 2 2 2 3 3 6 7 8 9 0 1		2 2 3 3 1 2 3 8 9 0 1					
History if Animal Science	Animal Issues, Products, and Facilities	Animal Anatomy & Physiology					
Nutrition	Reproduction	Professional Development					
		Semester Exams					
Genetics	Animal Health	Preventive Health Practices					

Assessment Rubrics

Students will be assessed on their skill development using the following assessment rubrics. Students will have multiple opportunities to show growth and proficiency throughout the year. Their final grade will reflect their level of proficiency in these skills not an average of their scores on assignments and assessments throughout the year. Parents will receive updates on skill development after in class conferences with the teacher.

Skill 1: Safety							
SKILL 1A - I can explain and identify safe practices.							
EXCEEDS	MEETS	APPROACHING	DEVELOPING				
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)				
Students can identify	Students can identify	Students can identify	Students can identify a				
many safe practices in a	most safe practices in a	some safe practices in a	few safe practices in a				
diverse range of settings	diverse range of settings	diverse range of settings	diverse range of settings				
in the classroom ,	in the classroom and	in the classroom and	in the classroom and				
laboratory , and field.	laboratory.	laboratory.	laboratory.				

SKILL 1B - I can demonstrate and use safe practices.								
EXCEEDS	MEETS	APPROACHING	DEVELOPING					
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)					
Students utilize their knowledge of safe practices to make decisions that keep themselves safe in diverse settings and actively improve or ensure the safety of others.	Students utilize their knowledge of safe practices to make decisions that keep themselves safe in diverse settings most of the time.	Students utilize their knowledge of safe practices to make decisions that keep themselves safe in diverse settings some of the time.	Students utilize their knowledge of safe practices to make decisions that keep themselves safe in diverse settings, but occasionally put themselves or others at risk.					
SKILL 1C - I can creat	te or critique safe ag	gricultural practices	5.					
EXCEEDS	MEETS	APPROACHING	DEVELOPING					
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)					
Students can create or	Students can create or	Students can create or	Students can create or					
critique safety practices,	critique safety practices,	critique safety practices,	critique safety practices, in					
in verbal or written form,	in verbal or written form,	in verbal or written form,	verbal or written form, in a					
in a way that reduces	in a way that reduces	in a way that reduces	way that reduces some					
diverse risks and	diverse risks and	diverse risks, but does	risks, and does not					
includes universal safety	considers universal	not consider universal	consider universal					
concerns .	safety concerns .	concerns.	concerns.					

Skill 2: Agricultural Literacy							
SKILL 2A - I can use relevant terminology and identify common items used in a variety of agricultural contexts.							
EXCEEDS PROFICIENCY (4)	MEETS PROFICIENCY (3)	APPROACHING PROFICIENCY (2)	DEVELOPING FOUNDATIONS (1)				

Students demonstrate a	Students demonstrate a	Students demonstrate	Students demonstrate
high growth in their use	significant growth in	some growth in their use	minimal growth in their
of agricultural terms, and	their use of agricultural	of agricultural terms, and	use of agricultural terms,
ability to identify	terms, and ability to	ability to identify	and ability to identify
common species and	identify common species	common species and	common species and tools
tools in diverse	and tools in diverse	tools in diverse	in diverse agricultural
agricultural fields.	agricultural fields.	agricultural fields.	fields.

SKILL 2B - I can describe and discuss the impact of agricultural concepts on society.

EXCEEDS	MEETS	APPROACHING	DEVELOPING
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)
Student can describe and/or discuss how agriculture impacts society on private , community , and global scales.	Student can describe and/or discuss how agriculture impacts society on private and community scales.	Student can describe and/or discuss how agriculture impacts society and the private lives of people.	Student can describe and/or discuss how agriculture impacts their personal lives and homes.

SKILL 2C - I can develop products for use in the real world.

EXCEEDS	MEETS	APPROACHING	DEVELOPING
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)
Students can develop and use tools, documents, and practices which meet industry standards with an extremely high degree of professionalism.	Students can develop and use tools, documents, and practices which meet industry standards with a high degree of professionalism.	Students can develop and use tools, documents, and practices which approach industry standards with some professionalism.	Students can develop and use tools, documents, and practices which attempt industry standards with little professionalism.

Skill 3: Applied Science

SKILL 3A - I can analyze and interpret scientific representations and data sources.

EXCEEDS	MEETS	APPROACHING	DEVELOPING
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)

SKILL 3B - I can identify and use proper scientific processes in laboratory and field settings.

EXCEEDS	MEETS	APPROACHING	DEVELOPING
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)
Students follow and describe scientific procedures which maximize effect of the process, improve data quality, and maintain high-quality equipment.	Students follow , or correct procedures when missed, which maintain effect of the process, quality data, and high-quality equipment.	Students miss steps in procedures which negatively impact the effect of the process, data quality, and maintenance of equipment.	Students miss steps in procedures which severely impact the effect of process, create unusable data , and/or damage equipment.

SKILL 3C - I can make scientifically sound management recommendations.

EXCEEDS	MEETS	APPROACHING	DEVELOPING
PROFICIENCY (4)	PROFICIENCY (3)	PROFICIENCY (2)	FOUNDATIONS (1)
Students accurately use	Students accurately use	Students use scientific	Students use scientific
and cite scientific	and cite scientific	processes, models, data	processes, models, data
processes, models, data	processes, models, data	analysis, and	analysis, and
analysis, and	analysis, and	mathematical	mathematical applications
mathematical	mathematical	applications with some	with multiple
applications, leading to	applications, leading to	inaccuracies , leading to	inaccuracies , leading to
high quality	quality management	flawed management	problematic management
management practices.	practices.	practices.	practices.