

Grade 9th-12th/Animal Science

<b>Semester 1</b>	<b>Objective</b>	<b>Standards</b>	<b>Resource Materials</b>	<b>Assessments/Assignments</b>
Unit 1: National FFA Organization	SWBAT: Participate in leadership training through agriculture education	Idaho Animal Science Program Standards Content Standard: 100 Performance Standard: 10.1-10.2 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints National FFA website (ffa.org)	Unit test Bell ringers Weekly/daily activities
Unit 2: Introduction to Animal Science	SWBAT: Analyze historic and current trends impacting the animal systems industry	Idaho Animal Science Program Standards: Agriculture Food and Natural Resources Standards (AFNR): Animal Science (AS).01 AS.01.01 a-c AS .01.02 a-c	PowerPoints Modern Livestock text book	Unit test Bell Ringers Weekly/daily activities
Unit 3: Introduction to Judging & Selection	SWBAT: Classify, evaluate and select animals based on anatomical and physiological characteristics	Idaho Animal Science Program Standards: Agriculture Food and Natural Resources Standards (AFNR): Animal Science (AS).06 AS.06.01-.06.03	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities

Unit 4: Animal Genetics	SWBAT: Understand the principles of evaluation for animal selection (genetics)	Idaho Animal Science Program Standards: Content Standard 4.0 Performance Standard 4.1-4.3 Agriculture Food and Natural Resources Standards (AFNR): Animal Science (AS) .04 .04.02 .04.02.01 a-c .04.02.02 a-c	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities
Unit 5: Animal Reproduction	SWBAT: Apply principles of livestock reproduction systems	Idaho Animal Science Program Standards: Content Standard 3.0 Performance Standard 3.1-3.5 Agriculture Food and Natural Resources Standards (AFNR): Animal Science (AS) .04 .04.02 .04.02.01 a-c .04.02.02 a-c	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities
Unit 6: Beef Industry	SWBAT: Understand the beef industry	Idaho Animal Science Program Standards: Content Standard 1.0 Performance Standard: 1.2 1.2.1-1.2.5 Agriculture Food and Natural Resources	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities

		Standards (AFNR): Animal Science (AS)		
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9<sup>th</sup>-12<sup>th</sup>/Plant Science

<b>Semester 1</b>	<b>Objective</b>	<b>Standards</b>	<b>Resource Materials</b>	<b>Assessments/Assignments</b>
Unit 1: National FFA Organization	SWBAT: Participate in leadership training through agriculture education	Idaho Plant Science Program Standards Content Standard: 100 Performance Standard: 10.1-10.2	PowerPoints National FFA website (ffa.org)	Unit tests Bell ringers Weekly/Daily activities
Unit 2: Soil Science	SWBAT: Understand the elementary study of soils	Idaho Plant Science Program Standards Content Standard 3.0 Performance Standard 3.1-3.2	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 3: Introduction to Plant Science	SWBAT: Understand the components of plant science	Idaho Plant Science Program Standards Content Standard 1.0,2.0 Performance Standard: 1.1-1.2 2.1-2.3 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .03 .03.01-.03.05	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 4: Plant Anatomy	SWBAT: Apply principles of plant anatomy	Idaho Plant Science Program Standards Content Standard	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities

		Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .02 .02.02.01-.02.02.04 a-c		
Unit 5: Crop Identification	SWBAT: Identify common crops in Idaho and in the USA	Idaho Plant Science Program Standards Content Standard Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .02 .02.02.01-.02.02.04 a-c	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 6: Plant pests and diseases	SWBAT: Recognize concepts and principles of plant pests and diseases	Idaho Plant Science Program Standards Content Standard 5.0 Performance Standard: 5.1-5.2 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .03 .03.03 .03.03.01-.03.03.4 a-c	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities

9<sup>th</sup>-12<sup>th</sup>/Floriculture

Semester 1	Objective	Standards	Resource Materials	Assessments/Assignments
Unit 1: National FFA Organization	SWBAT: Participate in leadership training through agriculture education	Idaho Ornamental Horticulture Program Standards: Content Standard: 10 0 Performance Standard: 10.1-10.2  Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints National FFA website (ffa.org)	Unit tests Bell ringers Weekly/Daily activities
Unit 2: Floral Tool Identification	SWBAT: Identify and categorize tools used for floral design	Idaho Ornamental Horticulture Program Standards Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .04 .04.02.02a	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 3: Common Fresh Cut Flowers/	SWBAT: Identify common cut flowers used for floral design	Idaho Ornamental Horticulture Program Standards Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .04	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities

		.04.01.01a (floral plants)		
Unit 4: Floral Design History	SWBAT: Explain the history of floral designs	Idaho Ornamental Horticulture Program Standards Content Standard 12.0 Performance Standard: 12.1-12.2 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 5: Floral Design Business Concepts	SWBAT: Know and understand business concepts related to the floral industry	Idaho Ornamental Horticulture Program Standards Content Standard: 10.0 Performance Standard 10.1-10.2 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 6: Floral Design Principles	SWBAT: Know and understand the different design principles used in floral design	Idaho Ornamental Horticulture Program Standards: Content Standard 12.0 Performance Standard: 12.1-12.2 Agriculture Food and Natural Resources	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities

		Standards (AFNR): Plant Science (PS) .04 .04.02 .04.02.01a		
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9<sup>th</sup>-12<sup>th</sup>/Welding

Semester 1	Objective	Standards	Resource Materials	Assessments/Assignments
Unit 1: National FFA Organization	SWBAT: Participate in leadership training through agriculture education	Idaho Welding Program Standards Content Standard: 10.0 Performance Standard: 10.1-10.2  Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints National FFA website (ffa.org)	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 2: Safety	SWBAT: Identify shop organization and safety procedures	Idaho Welding Program Standards: Content Standards 1.0 Performance Standard 1.1-1.3 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 3: Gas Metal Arc Welding (GMAW)	SWBAT: Apply gas metal arc welding techniques	Idaho Welding Program Standards Content Standard: 5.0 Performance Standard: 5.1-5.2 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)

Unit 4: Shielded Metal Arc Welding	SWBAT: Apply shielded metal arc welding techniques	Idaho Welding Program Standards: Content Standard: 4.0 Performance Standard: 4.1-4.2 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 5: Welding print reading and measuring	SWBAT: Apply fundamental print reading, measuring and layout/fit-up techniques	Idaho Welding Program Standards: Content Standard 2.0 Performance Standard 2.1-2.4 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 6: Types/Properties of Metals	SWBAT: Identify properties of metals	Idaho Welding Program Standards Content Standard 3.0 Performance Standard 3.1-3.2 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 7: Welding Code and Inspection Principles	SWBAT: Identify welding codes, inspections and testing principles	Idaho Welding Program Standards Content Standard 9.0 Performance Standard 9.1-9.2	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)

		Agriculture Food and Natural Resources Standards (AFNR):		
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9<sup>th</sup>-12<sup>th</sup>/Agricultural Systems

Semester 1	Objective	Standards	Resource Materials	Assessments/Assignments
Unit 1: National FFA Organization	SWBAT: Participate in leadership training through agriculture education	Idaho Agriculture Mechanics Program Standards Content Standard: 10.0 Performance Standard: 10.1-10.2  Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints National FFA website (ffa.org)	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 2: Safety	SWBAT: Identify shop organization and safety procedures	Idaho Agriculture Mechanics Program Standards: Content Standards 1.0 Performance Standard 1.1-1.3 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 3: Tools and Hardware	SWBAT: Safely use and identify proper use of tools	Idaho Agriculture Mechanics Program Standards: Content Standard 2.0 Performance Standard 2.1-2.2	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)

		Agriculture Food and Natural Resources Standards (AFNR):		
Unit 4: Metal Technology	SWBAT: Apply principles of metal fabrication using a variety of processes (i.e., GMAW, SMAW)	Idaho Agriculture Mechanics Program Standards: Content Standards 3.0 Performance Standard 3.1-3.2 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 5: Power Systems/Engines	SWBAT: Operate and maintain power systems/engines	Idaho Agriculture Mechanics Program Standards: Content Standard 4.0 Performance Standard 4.1-4.4 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 6: Mathematical Applications	SWBAT: Apply mathematical in agriculture mechanics and power systems	Idaho Agriculture Mechanics Program Standards: Content Standard 6.0 Performance Standard 6.1 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)

Unit 7: Electricity	SWBAT: Apply basic electrical principles	Idaho Agriculture Mechanics Program Standards: Content Standard 5.0 Performance Standard 5.1 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
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7<sup>th</sup> & 8<sup>th</sup> Grade/Intro to Agriculture Education

Qtr /Unit	Objective	Standards	Resource Materials	Assessments/Assignments
<p><b>Quarter 1 (8<sup>th</sup> Grade)</b>            Unit 1            FFA            Unit 2            Soil Science            Unit 3            Prepared Public Speeches</p>	<p>SWBAT (FFA):            Participate in leadership training through agriculture education</p> <p>SWBAT: Understand the elementary study of soils</p> <p>SWBAT: Participate in a speech activity</p>	<p>Idaho Program Standards Plant and Soil            Content Standard: 10.0            Performance Standard: 10.1-10.2            Idaho Plant Science Program Standards            Content Standard 3.0            Performance Standard 3.1-3.2            Agriculture Food and Natural Resources Standards (AFNR):</p>	<p>PowerPoints            National FFA website (ffa.org)            Intro to Agriculture Education textbook</p>	<p>Unit test            Bell ringers            Weekly/Daily activities</p>
<p><b>Quarter 2 (8<sup>th</sup> Grade)</b>            Unit 1            FFA            Unit 2            Animal Science            Unit 3            Prepared Public Speeches</p>	<p>SWBAT (FFA):            Participate in leadership training through agriculture education</p> <p>SWBAT: Analyze historic and current trends impacting the animal systems industry</p>	<p>Idaho Program Standards Animal Science            Content Standard: 10.0            Performance Standard: 10.1-10.2</p> <p>Agriculture Food and Natural Resources Standards (AFNR):            Animal Science (AS).01            AS.01.01 a-c</p>	<p>PowerPoints            Intro to Agriculture Education textbook</p>	<p>Unit test            Bell ringers            Weekly/Daily activities</p>

	SWBAT: Participate in a speech activity	AS .01.02 a-c		
<b>Quarter 3 (7<sup>th</sup> Grade)</b> Unit 1 FFA Unit 2 Plant Science Unit 3 Prepared Public Speeches	SWBAT: Participate in leadership training through agriculture education  SWBAT: Understand the components of plant science  SWBAT: Participate in a speech activity	Idaho Program Standards Plant and Soil Content Standard: 10.0 Performance Standard: 10.1-10.2 Content Standard 1.0,2.0 Performance Standard: 1.1-1.2 2.1-2.3  Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Intro to Ag Education Textbook	Unit test Bell ringers Weekly/Daily activities
<b>Quarter 4 (7<sup>th</sup> Grade)</b> Unit 1 FFA Unit 2 Natural Resources Unit 3 Prepared Public Speeches	SWBAT (FFA): Participate in leadership training through agriculture education SWBAT: Understand principles of natural resources SWBAT: Participate in a speech activity	Idaho Program Standards Ecology and Natural Resources Content Standard: 1.0-2.0 Performance Standard: 1.1-1.2 1.1-1.3	PowerPoints Intro to Agriculture Education textbook	Unit test Bell ringers Weekly/Daily activities



		Agriculture Food and Natural Resources Standards (AFNR):		
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Grade 9th-12th/Animal Science

<b>Semester 2</b>	<b>Objective</b>	<b>Standards</b>	<b>Resource Materials</b>	<b>Assessments/Assignments</b>
Unit 7: Nutritional Requirements for Livestock	SWBAT: Understand the nutritional requirements for livestock	Idaho Animal Science Program Standards Content Standard: 2.0 Performance Standards: 2.1-2.3 Food and Natural Resources Standards (AFNR): .03 .03.01-.03.03 a-c	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities
Unit 8: Evaluating Animal Health and Administering Care	SWBAT: Understand how to evaluate animal health and how to administer care to livestock	Idaho Animal Science Program Standards: Content Standard: 6.0 Performance Standard: 6.1-6.6 Agriculture Food and Natural Resources Standards (AFNR): Animal Science .07 .07.01-.07-.02 a-c	PowerPoints Modern Livestock text book	Unit test Bell Ringers Weekly/daily activities
Unit 9: Anima Welfare, Handling and Quality Assurance	SWBAT: Understand animal welfare, handling and quality assurance	Idaho Animal Science Program Standards: Content Standard: 5.0 Performance Standard: 5.1-5.4 Agriculture Food and Natural Resources	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities

		Standards (AFNR): Animal Science .02 .02.01-.02.02 a-c		
Unit 10: Harvesting and Processing of Animal Products & Understand the Dairy Industry	SWBAT: Explore harvesting and processing of animal products and understand the dairy industry	Idaho Animal Science Program Standards: Content Standard: 7.0, 1.0 Performance Standard: 1.3, 1.3.1-1.3.4, 7.1-7.3 Agriculture Food and Natural Resources Standards (AFNR): Animal Science (AS)	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities
Unit 11: Other Food Animal Systems	SWBAT: Describe the elements of other food animal systems	Idaho Animal Science Program Standards: Content Standard 1.0 Performance Standard: 1.4, 1.4.1-1.4.4, 1.5,1.5.1 Agriculture Food and Natural Resources Standards (AFNR): Animal Science (AS)	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities
Unit 12: Agricultural Business and Risk Management	SWBAT: Examine agricultural business and risk management	Idaho Animal Science Program Standards: Content Standard: 8.0 Performance Standard: 8.1-8.5	PowerPoints Modern Livestock text book	Unit test Bell ringers Weekly/daily activities

		Agriculture Food and Natural Resources Standards (AFNR): Animal Science (AS)		
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9<sup>th</sup>-12<sup>th</sup>/Plant Science

Semester 2	Objective	Standards	Resource Materials	Assessments/Assignments
Unit 7: Growing Media/Fertilizer	SWBAT: Understand the elements of growing media and fertilizer	Idaho Ornamental Horticulture Program Standards Content Standard: 5.0,6.0 Performance Standard: 5.1-5.4, 6.1-6.2	PowerPoints	Unit tests Bell ringers Weekly/Daily activities
Unit 8: Integrated Pest Management (IPM)	SWBAT: Understand the elements of integrated pest management (IPM)	Idaho Ornamental Horticulture Program Standards Content Standard: 7.0 Performance Standard: 7.1-7.3	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 9: Careers and Technology in Plant Science/Plant Technologies	SWBAT: Explore careers and technology related to the plant science industry	Idaho Plant Science Program Standards Content Standard 6.0, 11.0 Performance Standard: 6.1-6.4, 11.1-11.4 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 10: Ornamental Horticulture Crops	SWBAT: Understand the elements of	Idaho Ornamental Horticulture	PowerPoints	Unit tests Bell ringers

	ornamental horticulture crops	Program Standards Content Standard 9.0 Performance Standard: 9.1-9.4 Agriculture Food and Natural Resources Standards (AFNR):	Horticulture Today textbook	Weekly/Daily activities
Unit 11: Business Concepts	SWBAT: Understand business concepts in the plant science industry	Idaho Ornamental Horticulture Program Standards Content Standard 10.0 Performance Standard: 10.1-10.2 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 12: Ornamental Design Standards	SWBAT: Understand ornamental design standards	Idaho Ornamental Horticulture Program Standards Content Standard 12.0 Performance Standard: 12.1-12.2 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities

9<sup>th</sup>-12<sup>th</sup>/Floriculture

Semester 2	Objective	Standards	Resource Materials	Assessments/Assignments
Unit 7: Plant Identification Skills	SWBAT: Identify plants to enhance an environment and how they relate to floriculture	Idaho Ornamental Horticulture Program Standards: Content Standard: 4.0 Performance Standard: 4.1 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .04, .04.01-.04.02	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 8: Plant Physiology	SWBAT: Understand the elements in plant physiology and how they relate to floriculture	Idaho Ornamental Horticulture Program Standards: Content Standard: 3.0 Performance Standard: 3.1-3.5 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 9: Plant Anatomy	SWBAT: Identify the anatomy of plants and how they relate to floriculture	Idaho Ornamental Horticulture Program Standards Content Standard: 2.0	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities

		Performance Standard: 2.1-2.7 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)		
Unit 10: Integrated Pest Management (IPM)	SWBAT: Understand the elements of integrated pest management (IPM) and how they relate to floriculture	Idaho Ornamental Horticulture Program Standards Content Standard: 7.0 Performance Standard: 7.1-7.3 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 11: Floral Event Planning	SWBAT: Apply floral design principles	Idaho Ornamental Horticulture Program Standards Content Standard: 12.0 Performance Standard: 12.2 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .04 .04.02	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities
Unit 12: Plant Propagation	SWBAT: Understand elements of plant propagation and plant	Idaho Ornamental Horticulture Program	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities



	technologies and how they relate to floriculture	Standards: Content Standard 8.0 Performance Standard: 8.1-8.2 Performance Standard: Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS)		
Unit 13: Plant Technologies	SWBAT: Understand elements in plant technologies and how they relate to floriculture	Idaho Ornamental Horticulture Program Standards Content Standard: 11.0 Performance Standard: 11.1-11.4 Agriculture Food and Natural Resources Standards (AFNR): Plant Science (PS) .04 .04.02	PowerPoints Horticulture Today textbook	Unit tests Bell ringers Weekly/Daily activities

9<sup>th</sup>-12<sup>th</sup>/Welding

Semester 2	Objective	Standards	Resource Materials	Assessments/Assignments
Unit 8: Thermal Cutting Process	SWBAT: Demonstrate plasma arc cutting and air carbon arc cutting	Idaho Welding Program Standards Content Standard: 8.0 Performance Standard: 8.2, 8.2.1-8.2.8, 8.3, 8.3.1-8.3.5 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 9: Thermal Cutting Process	SWBAT: Demonstrate oxy-fuel gas cutting	Idaho Welding Program Standards: Content Standards: 8.0 Performance Standard: 8.1, 8.1.1-8.1.9 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 10: Fabrication Fundamentals	SWBAT: Demonstrate fabrication techniques	Idaho Welding Program Standards Content Standard: Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)

9<sup>th</sup>-12<sup>th</sup>/Agricultural Systems

<b>Semester 2</b>	<b>Objective</b>	<b>Standards</b>	<b>Resource Materials</b>	<b>Assessments/Assignments</b>
Unit 8: Insulation	SWBAT: Explain the importance of insulation	Idaho Agriculture Mechanics Program Standards Content Standard: 7.0 Performance Standard: 7.1 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 9: Emerging Technologies	SWBAT: Explain the importance of emerging technologies in agricultural systems	Idaho Agriculture Mechanics Program Standards: Content Standards 8.0 Performance Standard: 8.1 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)
Unit 10: Thermal Cutting Process	SWBAT: Properly select and use cutting equipment	Idaho Agriculture Mechanics Program Standards: Content Standard: 3.0 Performance Standard: 3.1, 3.1.5, 3.1.9 Agriculture Food and Natural Resources Standards (AFNR):	PowerPoints Agriculture Mechanics textbook	Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)

<p>Unit 11: Agricultural Mechanics Careers</p>	<p>SWBAT: Research potential careers/certifications and demonstrate employability skills</p>	<p>Idaho Agriculture Mechanics Program Standards: Content Standards 9.0 Performance Standard: 9.1 Agriculture Food and Natural Resources Standards (AFNR):</p>	<p>PowerPoints Agriculture Mechanics textbook</p>	<p>Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)</p>
<p>Unit 12: Fabrication Fundamentals</p>	<p>SWBAT: Demonstrate fabrication techniques</p>	<p>Idaho Agriculture Mechanics Program Standards: Content Standard 3.0 Performance Standard: 3.1, 3.1.3,3.1.6,3.1.7,3.1.8 Agriculture Food and Natural Resources Standards (AFNR):</p>	<p>PowerPoints Agriculture Mechanics textbook</p>	<p>Unit test Bell ringers Weekly/Daily activities (i.e., time in the shop)</p>

7<sup>th</sup> & 8<sup>th</sup> Grade/Intro to Agriculture Education

Qtr /Unit	Objective	Standards	Resource Materials	Assessments/Assignments
<p><b>Quarter 1 (8<sup>th</sup> Grade)</b>            Unit 1            FFA            Unit 2            Soil Science            Unit 3            Prepared Public Speeches</p>	<p>SWBAT (FFA):            Participate in leadership training through agriculture education</p> <p>SWBAT: Understand the elementary study of soils</p> <p>SWBAT: Participate in a speech activity</p>	<p>Idaho Program Standards Plant and Soil            Content Standard: 10.0            Performance Standard: 10.1-10.2            Idaho Plant Science Program Standards            Content Standard 3.0            Performance Standard 3.1-3.2            Agriculture Food and Natural Resources Standards (AFNR):</p>	<p>PowerPoints            National FFA website (ffa.org)            Intro to Agriculture Education textbook</p>	<p>Unit test            Bell ringers            Weekly/Daily activities</p>
<p><b>Quarter 2 (8<sup>th</sup> Grade)</b>            Unit 1            FFA            Unit 2            Animal Science            Unit 3            Prepared Public Speeches</p>	<p>SWBAT (FFA):            Participate in leadership training through agriculture education</p> <p>SWBAT: Analyze historic and current trends impacting the</p>	<p>Idaho Program Standards Animal Science            Content Standard: 10.0            Performance Standard: 10.1-10.2</p> <p>Agriculture Food and Natural Resources Standards (AFNR):            Animal Science (AS).01</p>	<p>PowerPoints            Intro to Agriculture Education textbook</p>	<p>Unit test            Bell ringers            Weekly/Daily activities</p>

	<p>animal systems industry</p> <p>SWBAT: Participate in a speech activity</p>	<p>AS.01.01 a-c AS .01.02 a-c</p>		
<p><b>Quarter 3 (7<sup>th</sup> Grade)</b> Unit 1 FFA Unit 2 Plant Science Unit 3 Prepared Public Speeches</p>	<p>SWBAT: Participate in leadership training through agriculture education</p> <p>SWBAT: Understand the components of plant science</p> <p>SWBAT: Participate in a speech activity</p>	<p>Idaho Program Standards Plant and Soil Content Standard: 10.0 Performance Standard: 10.1-10.2 Content Standard 1.0,2.0 Performance Standard: 1.1-1.2 2.1-2.3</p> <p>Agriculture Food and Natural Resources Standards (AFNR):</p>	<p>PowerPoints Intro to Ag Education Textbook</p>	<p>Unit test Bell ringers Weekly/Daily activities</p>
<p><b>Quarter 4 (7<sup>th</sup> Grade)</b> Unit 1 FFA Unit 2 Natural Resources Unit 3 Prepared Public Speeches</p>	<p>SWBAT (FFA): Participate in leadership training through agriculture education</p> <p>SWBAT: Understand principles of natural resources</p>	<p>Idaho Program Standards Natural Resources Content Standard: 1.0-2.0 Performance Standard: 1.1-1.2 1.1-1.3</p>	<p>PowerPoints Intro to Agriculture Education textbook</p>	<p>Unit test Bell ringers Weekly/Daily activities</p>

	SWBAT: Participate in a speech activity	Agriculture Food and Natural Resources Standards (AFNR):		
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