

Agriculture

OVATA - Statewide Agricultural Education Program of Study

Source: Oregon Skill Sets--Knowledge & Skills Statements

A.A.S. in Ag Production or Ag Business, A.S. Transfer (OSU Ag Articulation), Welding Certificate

Agriculture Education Cluster

AG 02.01	Use oral and written communication skills in creating, expressing and interpreting agricultural information and ideas including technical terminology.
AG 03.01	Solve agriculture problems using critical thinking skills (e.g., analyze, synthesize and evaluate, independently and in teams).
AG 04.01	Use information technology tools to access, manage, integrate, create, and communicate agricultural information.
AG 07.01	Use leadership skills in collaborating with others to accomplish agriculture related organizational goals and objectives.
AG 08.01	Know and understand the importance of professional ethics and legal responsibilities in agricultural careers.
AG 09.01	Know and understand the importance of employability skills for agricultural careers.
AG 10.02	Use tools, equipment, machinery and technology to work in areas related to agriculture.
AG 11.01	Use economic principles to manage agriculture resources and produce products.

Focus Area: Plants / Horticulture

Plant 01.	Apply knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants.
Plant 02.	Prepare a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth.
Plant 03.	Propagate, culture and harvest plants.
Plant 04.	Employ elements of design to enhance an environment.
Plant 06.	Horticulture standards and skills specific to Oregon's horticulture industry. Key words (hort, nursery, landscape, ornamental, turfgrass, turf, garden, botanical, greenhouse, green industry, Xeriscape)

Focus Area: Animal Science

ANS 02.	Classify, evaluate, select and manage animals based on anatomical and physiological characteristics.
ANS 04.	Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.
ANS 08.	Analyze environmental factors associated with animal production.

Focus Area: Ag Business Management

ABM 02.	Utilize appropriate management planning principles in Agriculture business enterprises.
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Agriculture

ABM 03.	Utilize record keeping to accomplish Agriculture business objectives while complying with laws and regulations.
ABM 04.	Apply generally accepted accounting principles and skills to manage cash budgets, credit budgets and credit for Agriculture businesses.
ABM 05.	Assess accomplishment of goals and objectives by an Agriculture business.
Focus Area: Ag Mechanics	
PST 02.	Plan, operate, maintain and troubleshoot mechanical equipment, structures, biological systems, land treatment, power and technology.
PST 03.	Service and repair mechanical equipment and power systems.
PST 04.	Plan, build and maintain agricultural structures.
PST 05.	Apply technology principles in the use of agricultural technical systems.

School	Liberty High school																		Articulates with:		
Instructor	Paul Lardy	Reynold Gardner																			
E	PS.02	Plant 01.	Apply knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants.	x																Crops Soils 1XX or Hort 1XX	
B	PS.01	Plant 02.	Prepare a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth.	x		x	x														
F	PS.03	Plant 03.	Propagate, culture and harvest plants.	x		x	x														
E, G, H	PS.04	Plant 04.	Employ elements of design to enhance an environment.		x	x	x														
E, G, H		Plant 06.	Horticulture standards and skills specific to Oregon's horticulture industry. Key words (hort, nursery, landscape, ornamental, turfgrass, turf, garden, botanical, greenhouse, green industry, Xeriscape)	x		x	x														
Focus Area: Animal Science																			Statewide CC Dual Credit Courses		
E	AS.06	ANS 02.	Classify, evaluate, select and manage animals based on anatomical and physiological characteristics.			x	x													ANS 121	
E	AS.03 / AS.04 / AS.07	ANS 04.	Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.			x	x														
E	AS.02 / AS.05 / AS.08	ANS 08.	Analyze environmental factors associated with animal production.			x	x														
Focus Area: Ag Business Management																			Statewide CC Dual Credit Courses		
C, E, H,	ABS.01	ABM 02.	Utilize appropriate management planning principles in Agriculture business enterprises.				x														
C, E	ABS.02	ABM 03.	Utilize record keeping to accomplish Agriculture business objectives while complying with laws and regulations.				x														
C, E	ABS.03	ABM 04.	Apply generally accepted accounting principles and skills to manage cash budgets, credit budgets and credit for Agriculture businesses.			x	x														
A-I	ABS.04 / ABS.05	ABM 05.	Assess accomplishment of goals and objectives by an Agriculture business.				x														
Focus Area: Ag Mechanics																			Statewide CC Dual Credit Courses		
E, F	PST.01 / PST.02	PST 02.	Plan, operate, maintain and troubleshoot mechanical equipment, structures, biological systems, land treatment, power and technology.				x													Welding BMCC	
E, F	PST.03	PST 03.	Service and repair mechanical equipment and power systems.			x	x														
E, F	PST.04	PST 04.	Plan, build and maintain agricultural structures.	x		x	x														

School	Liberty High school																		Articulates with:	
Instructor	Paul Lardy	Reynold Gardner																		
E, F	PST.05	PST 05.	Apply technology principles in the use of agricultural technical systems.	x		x	x													1xx
Diploma Requirements/Career-Related Learning Standards																			FFA	
Education Plan and Profile/Career Development				http://www.ode.state.or.us/teachlearn/certificates/diploma/essential-skills-definitions.pdf																
Career-Related Learning Experiences/Employment Foundations							x													
Extended Application							x													
Demonstrate Proficiency in Essential Skills/CRLS (merging in 2012)							x													
A. Read and comprehend a variety of texts/Communication				x	x	x	x													
B. Write clearly and accurately/Communication				x	x	x	x													
C. Apply mathematics in a variety of settings				x	x	x	x													
D. Listen actively and speak clearly and coherently/Communication				x	x	x	x													
E. Think critically and analytically				x	x	x	x													
F. Use technology to learn, live and work/Communication				x	x	x	x													
G. Demonstrate civic and community engagement				x	x	x	x													
H. Demonstrate global literacy				x	x	x	x													
I. Demonstrate personal management and teamwork skills/Personal Management & Teamwork				x	x	x	x													