

Course Guide: Power Standards & Learning Targets

AgriScience (11-12)

Students will examine the components of the food industry and historical development of food products and processing.	Students will apply leadership skills in real-world, family, community and business and industry applications.	Students will apply knowledge of plant classification, anatomy, and physiology to the production and management of plants.
Students will examine the components, historical development, global implications and future trends of the animal systems industry.	Students will classify, evaluate, select and manage animals based on anatomical and physiological characteristics.	Students will explain interrelationships between natural resources and humans necessary to conduct management activities in natural environments.

Learning Target Descriptions

- ☐ Level 3 learning targets **demonstrate understanding of foundational and complex knowledge.**
- ☐ Level 2 learning targets **demonstrate understanding of foundational knowledge.**

Power Standard:	Learning Target: Students Will ...
Students will examine the components of the food industry and historical development of food products and processing.	Level 3
	☐ Evaluate changes and trends in the food processing industry and be able to predict trends and implications in the food products and processing industry.
	☐ Determine appropriate industry response to consumer concerns to assure a safe and wholesome food supply.
	☐ Demonstrate how to interact effectively with organizations, groups and regulatory agencies that affect the food products and processing industry.
	☐ Prepare a plan for implementation of industry standards in food products.
	Level 2
	☐
Power Standard:	Learning Target: Students Will ...
Students will apply leadership skills in real-world, family, community and business and industry applications.	Level 3
	☐ Utilize effective listening skills in creating consensus in a group
	☐ Participate/Lead group process to generate consensus
	☐ Evaluate various occupations and career pathways to identify personal, academic and career goals based on personal strengths, aptitudes and passions.
	☐ Participate in co-curricular and community activities to enhance the school experience



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	☐ Apply parliamentary procedure to an appropriate situation
	Level 2
	☐
Power Standard:	Learning Target: Students Will ...
Students will apply knowledge of plant classification, anatomy, and physiology to the production and management of plants.	Level 3
	☐ Classify agricultural plants according to the hierarchical classification system, life cycles, plant use and as monocots or dicots.
	☐ Evaluate Crop yield and loss data
	Level 2
	☐ Identify agriculturally important plants by scientific name.
	☐ Identify the different types of flowers and flower forms and apply the knowledge of flower structures to plant breeding, production, and use.
Power Standard:	Learning Target: Students Will ...
Students will examine the components, historical development, global implications and future trends of the animal systems industry.	Level 3
	☐ Evaluate and describe characteristics of animals that developed in response to the animals environment and to their domestication.
	☐ Predict trends and implications of future development of the animal systems industry.
	Level 2
	☐ Outline methods of reducing the effects of animal agriculture on the environment.
Power Standard:	Learning Target: Students Will ...
Students will classify, evaluate, select and manage animals based on anatomical and physiological characteristics.	Level 3
	☐ Compare and contrast desirable anatomical and physiological characteristics of animals within and between species.
	☐ Appraise and evaluate the economic value of animals for various applications in the agriculture industry.
	Level 2
	☐ Explain how the components and systems animal anatomy and physiology relate to the production and
Power Standard:	Learning Target: Students Will ...
Students will explain interrelationships between natural resources and	Level 3
	☐ Compare and contrast trees and other woody plants.
	☐ Compare and contrast herbaceous plants

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humans necessary to conduct management activities in natural environments.	☐ Compare and contrast Wildlife species
	Level 2
	☐

Notes:

- The number(s) behind the course title indicate the grade(s) the course is offered.
- (L) = Omro Laude Course

