

**Essential Learning Outcomes****Gale-Ettrick-Trempealeau High School****Department:** Agriculture**Instructor:** Kent Haake**Course:** Fundamentals of Agriculture and Natural Resources**Credit:** 1/2**ELO #1:** Understand the variety, complexity, and size of the agricultural industry in Wisconsin

<b>Formative</b>	<b>Summative</b>	<b>Essential Learning Outcome</b>	<b>Standard(s)</b>
Take part in activities designed to develop understanding	Quiz terms DOK 1 2	Engage in applied learning experiences that incorporate an area of agriculture	FPP1.a.5.h
Take part in activities designed to develop understanding	Produce a brochure highlighting a WI product DOK 2 3	Use technology to acquire, organize, and communicate information on WI agriculture or Natural Resources	

**ELO #2:** Apply knowledge of Soil principles to give recommendations for land use.

<b>Formative</b>	<b>Summative</b>	<b>Essential Learning Outcome</b>	<b>Standard(s)</b>
Labs and group activities that demonstrate understanding of soils.	Produce a soils management evaluation and recommendation based on their soil. DOK 3 4	Demonstrate knowledge of soil texture, fertility, structure and use.	PS2.b.5.h
Labs	Lab Report DOK 3	Test soil for texture, pH, N, P K	

**ELO #3:** Investigate plant functions and processes

<b>Formative</b>	<b>Summative</b>	<b>Essential Learning Outcome</b>	<b>Standard(s)</b>
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Labs and activities demonstrating knowledge	Quiz on plant parts DOK 1 2	Identify plant anatomy and functions	PS1.a.9.h, PS1.b.10.h
Demonstrate knowledge of plants through lab activities	Lab report. DOK 3 4	Engage in applied learning activities emphasizing plant growth principles.	PS2.c.10.h

**ELO #4: Investigate Career opportunities in Agriculture and Natural Resources**

<b>Formative</b>	<b>Summative</b>	<b>Essential Learning Outcome</b>	<b>Standard(s)</b>
Take part in activities designed to develop understanding	Select and explain career pathway. DOK 2	Using career clusters explore a career path based on interest and skills.	CD1.a.3.h CD1.b.6.h, CD2.a.4.h, CD2.b.7.h, CD2.b.9.h., CD3.a.12.h
Participate in a mock interview.	Job application and interview summative assessment DOK 3 4	Demonstrate career skills during application and interview processes	CD1.a.3.h, CD4.b.7.h, CD4.c.5.h CD1.b.6.h, CD2.a.4.h, CD2.b.7.h, CD2.b.9.h.

**ELO #5: Use inquiry based learning to study food science**

<b>Formative</b>	<b>Summative</b>	<b>Essential Learning Outcome</b>	<b>Standard(s)</b>
Lab- Grade eggs and identify factors affecting milk quality	Lab report DOK 3	Apply grades identify items related to food production	FPP4.a.9.h, FPP4.b.7.h

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**ELO #6: Identify domestication and animal science use in agriculture**

<b>Formative</b>	<b>Summative</b>	<b>Essential Learning Outcome</b>	<b>Standard(s)</b>
Self directed work.	Identify 7 common breeds DOK 2 3	Show how the hogs domestication has affected agriculture.	AS2.a.7.h
Judge and give reasons for placing a class of livestock	Quiz on animal selection. DOK 3 4	Demonstrate selection through genotypic and phenotypic traits	AS1.a.5.h