



## Lesson Plans for Agricultural Education - Mr. Igo

For the week of: October 8-12, 2018

	World Mental Health Day				
	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AgEd I</b>	History of US Agriculture				
<b>Objectives</b>	1. Students will identify segments of the US Ag industry 2. Students will describe the significance of agriculture in US history	1. Students will identify segments of the US Ag industry 2. Students will describe the significance of agriculture in US history	1. Students will identify segments of the US Ag industry 2. Students will describe the significance of agriculture in US history	1. Students will identify segments of the US Ag industry 2. Students will describe the significance of agriculture in US history	1. Students will identify segments of the US Ag industry 2. Students will describe the significance of agriculture in US history
<b>Activities</b>	Ag Inventions reports on Google Classroom	Ag Inventions reports on Google Classroom	Ag Inventions reports on Google Classroom	US Ag History 1900-present slides with notes	US Ag History 1900-present slides with notes
<b>Assessment</b>	Formative: Time on task, reflection Summative: handout, unit quiz	Formative: Time on task, reflection Summative: handout, unit quiz	Formative: Time on task, reflection Summative: handout, unit quiz	Formative: Time on task, reflection Summative: handout, unit quiz	Formative: Time on task, reflection Summative: handout, unit quiz
<b>AFNR Standards</b>	AS.01.01.01a, AS.01.01.01b	AS.01.01.01a, AS.01.01.01b	AS.01.01.01a, AS.01.01.01b	AS.01.01.01a, AS.01.01.01b	AS.01.01.01a, AS.01.01.01b
<b>Common Core</b>	English 11-12.RI.-2	English 11-12.RI.-2	English 11-12.RI.-2	English 11-12.RI.-2	English 11-12.RI.-2
<b>AgEd II</b>	Range Sites and Trends		Range Sites and Trends		Range Plant Collections
<b>Objectives</b>	1. Students will describe different ecological sites 2. Students will identify factors that affect ecological sites	1. Students will describe different ecological sites 2. Students will identify factors that affect ecological sites	1. Students will describe different ecological sites 2. Students will identify factors that affect ecological sites	1. Students will describe different ecological sites 2. Students will identify factors that affect ecological sites	1. Students will describe different classes of plants 2. Students will identify plants based on their physical characteristics
<b>Activities</b>	Range Sites and Similarity Index Slides with notes in class	Range Sites and Similarity Index Slides with notes in class	Range Sites and Similarity Index Slides with notes in class	Range Sites and Similarity Index Slides with notes in class	MT Range Plant collection activity outside class
<b>Assessment</b>	Formative: discussion, check for understanding Summative: notes, unit test, range plant collections	Formative: discussion, check for understanding Summative: notes, unit test, range plant collections	Formative: discussion, check for understanding Summative: notes, unit test, range plant collections	Formative: discussion, check for understanding Summative: notes, unit test, range plant collections	Formative: discussion, check for understanding Summative: notes, unit test, range plant collections
<b>AFNR Standards</b>	PS.01.01.01a, PS.01.01.01b, PS.01.01.01c	PS.01.01.01a, PS.01.01.01b, PS.01.01.01c	PS.01.01.01a, PS.01.01.01b, PS.01.01.01c	PS.01.01.01a, PS.01.01.01b, PS.01.01.01c	PS.01.01.01a, PS.01.01.01b, PS.01.01.01c
<b>Common Core</b>	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1
<b>AgEd III</b>	Biotechnology				
<b>Objectives</b>	1. Students will identify applications of biotechnology 2. Students will describe how transgenic organisms are created	1. Students will identify applications of biotechnology 2. Students will describe how transgenic organisms are created	1. Students will identify applications of biotechnology 2. Students will describe how transgenic organisms are created	1. Students will identify applications of biotechnology 2. Students will describe how transgenic organisms are created	1. Students will identify applications of biotechnology 2. Students will describe how transgenic organisms are created
<b>Activities</b>	Intro to Biotech slides with guided notes	Intro to Biotech slides with guided notes	Gene mapping lab in class	DNA analysis activity in class	DNA analysis activity in class
<b>Assessment</b>	Formative: participation, discussion Summative: lab sheets, unit test	Formative: participation, discussion Summative: lab sheets, unit test	Formative: participation, discussion Summative: lab sheets, unit test	Formative: participation, discussion Summative: lab sheets, unit test	Formative: participation, discussion Summative: lab sheets, unit test
<b>AFNR Standards</b>	PST.05.03.02a, PST.05.03.02b	PST.05.03.02a, PST.05.03.02b	PST.05.03.02a, PST.05.03.02b	PST.05.03.02a, PST.05.03.02b	PST.05.03.02a, PST.05.03.02b
<b>Common Core</b>	11-12.RST.1.2, 9-12HS.PS.4.2	11-12.RST.1.2, 9-12HS.PS.4.2	11-12.RST.1.2, 9-12HS.PS.4.2	11-12.RST.1.2, 9-12HS.PS.4.2	11-12.RST.1.2, 9-12HS.PS.4.2
<b>Natural Res.</b>	Forestr Management				
<b>Objectives</b>	1. Students will describe changes in forest and timber management 2. Students will identify forest stakeholders and users	1. Students will describe changes in forest and timber management 2. Students will identify forest stakeholders and users	1. Students will describe changes in forest and timber management 2. Students will identify forest stakeholders and users	1. Students will describe changes in forest and timber management 2. Students will identify forest stakeholders and users	1. Students will describe changes in forest and timber management 2. Students will identify forest stakeholders and users
<b>Activities</b>	Forest Management slides with notes in class	Forest Management slides with notes in class	Forest Management Reports on Google Classroom	Forest Management Reports on Google Classroom	Forest Management Reports on Google Classroom
<b>Assessment</b>	Formative: discussion, check for understanding Summative: note handout, lab sheets, unit test	Formative: discussion, check for understanding Summative: note handout, lab sheets, unit test	Formative: discussion, check for understanding Summative: note handout, lab sheets, unit test	Formative: discussion, check for understanding Summative: note handout, lab sheets, unit test	Formative: discussion, check for understanding Summative: note handout, lab sheets, unit test
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<b>Common Core</b>	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1	11-12.SL.2.6, 9-12HS.PS.2.6, 9-12HS.LS.4.1
<b>Welding</b>	Intro to Shield Metal Arc Welding				
<b>Objectives</b>	1. Students will utilize SMAW processes 2. Students will demonstrate safe shop procedures	1. Students will utilize SMAW processes 2. Students will demonstrate safe shop procedures	1. Students will utilize SMAW processes 2. Students will demonstrate safe shop procedures	1. Students will utilize SMAW processes 2. Students will demonstrate safe shop procedures	1. Students will utilize SMAW processes 2. Students will demonstrate safe shop procedures
<b>Activities</b>	Module 6 Lab Sheets in shop	Module 6 Lab Sheets in shop	Module 6 Lab Sheets in shop	Module 6 Lab Sheets in shop	Module 6 Lab Sheets in shop
<b>Assessment</b>	Formative: time on task, participation Summative: job sheet, unit test	Formative: time on task, participation Summative: job sheet, unit test	Formative: time on task, participation Summative: job sheet, unit test	Formative: time on task, participation Summative: job sheet, unit test	Formative: time on task, participation Summative: job sheet, unit test
<b>AFNR Standards</b>	PST.04.04.07a	PST.04.04.07a	PST.04.04.07a	PST.04.04.07a	PST.04.04.07a
<b>Common Core</b>	11-12.SL.2.6, 9-12HS.PS.2.6	11-12.SL.2.6, 9-12HS.PS.2.6	11-12.SL.2.6, 9-12HS.PS.2.6	11-12.SL.2.6, 9-12HS.PS.2.6	11-12.SL.2.6, 9-12HS.PS.2.6