



Lesson Plans for Agricultural Education - Mr. Igo

For the week of: October 1-5, 2018

	Monday	Tuesday	Wednesday	Thursday	Friday
AgEd I	Livestock Evaluation	Livestock Evaluation	History of US Agriculture	History of US Agriculture	History of US Agriculture
Objectives	1. Students will describe animals using correct terminology 2. Students will identify carcass and breeding traits of livestock	1. Students will describe animals using correct terminology 2. Students will identify carcass and breeding traits of livestock	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
Activities	Livestock judging and selection review in class	Livestock judging and selection quiz in class	Ag industry slides with notes in class	Ag industry slides with notes in class	Ag industry slides with notes in class
Assessment	Formative: Time on task, check for understanding 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
AFNR Standards	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
Common Core	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
AgEd II	Plant Identification	Plant Identification	Plant Identification	Plant Identification	Range Plant Collections
Objectives	1. Students will describe different classes of plants 2. Students will identify plants based on their physical characteristics	1. Students will describe different classes of plants 2. Students will identify plants based on their physical characteristics	1. Students will describe different classes of plants 2. Students will identify plants based on their physical characteristics	1. Students will describe different classes of plants 2. Students will identify plants based on their physical characteristics	1. Students will describe different classes of plants 2. Students will identify plants based on their physical characteristics
Activities	Montana Range Plant ID slides with guided notes	Montana Range Plant ID slides with guided notes	Montana Range Plant ID slides with guided notes	Montana Range Plant ID slides with guided notes	MT Range Plant collection activity outside
Assessment	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
AFNR Standards	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
Common Core	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
AgEd III	Biotechnology	Biotechnology	Biotechnology	Biotechnology	Biotechnology
Objectives	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
Activities	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
Assessment	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
AFNR Standards	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
Common Core	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
Natural Res.	Forestry	Forestry	Forestry	Forestry	Forestry
Objectives	1. Students will utilize tree measurement tools 2. Students will evaluate timber stand health	1. Students will utilize tree measurement tools 2. Students will evaluate timber stand health	1. Students will utilize tree measurement tools 2. Students will evaluate timber stand health	1. Students will utilize tree measurement tools 2. Students will evaluate timber stand health	1. Students will utilize tree measurement tools 2. Students will evaluate timber stand health
Activities	Fixed plot timber cruise lab prep	Fixed plot timber cruise at Vigilante Park	Fixed plot timber cruise at Vigilante Park	Board feet calculations WS in class	Board feet calculations WS in class
Assessment	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
AFNR Standards	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
Common Core	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
Welding	Cutting Processes	Cutting Processes	Cutting Processes	Cutting Processes	Cutting Processes
Objectives	1. Students will utilize PAC & OFC processes 2. Students will demonstrate safe shop procedures	1. Students will utilize PAC & OFC processes 2. Students will demonstrate safe shop procedures	1. Students will utilize PAC & OFC processes 2. Students will demonstrate safe shop procedures	1. Students will utilize PAC & OFC processes 2. Students will demonstrate safe shop procedures	1. Students will utilize PAC & OFC processes 2. Students will demonstrate safe shop procedures
Activities	Module 2 & 3 lab sheets in shop area	Module 2 & 3 lab sheets in shop area	Module 2 & 3 lab sheets in shop area	Module 2 & 3 lab sheets in shop area	Module 2 & 3 lab sheets in shop area
Assessment	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
AFNR Standards	PST.04.04.07a	PST.04.04.07a	PST.04.04.07a	PST.04.04.07a	PST.04.04.07a
Common Core	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