



## Lesson Plans for Agricultural Education - Mr. Igo

For the week of: Nov 12-16, 2018

|                | Monday  | Tuesday   | Wednesday   | John Deere Ag Expo - Bozeman  | John Deere Ag Expo - Bozeman  |
|----------------|---|---|---|---|---|
| AgEd I         | Intro to FFA  | Intro to FFA  | Intro to FFA  | Intro to FFA  | Record Keeping  |
| Objectives     | 1. Students will identify significant events in US Ag history<br>2. Students will describe the 3 components of agricultural education | 1. Students will identify significant events in US Ag history<br>2. Students will describe the 3 components of agricultural education | 1. Students will identify significant events in US Ag history<br>2. Students will describe the 3 components of agricultural education | 1. Students will identify significant events in US Ag history<br>2. Students will describe the 3 components of agricultural education | 1. Students will identify significant events in US Ag history<br>2. Students will describe the 3 components of agricultural education |
| Activities     | Intro to FFA slides with guided notes   | Intro to FFA slides with guided notes   | Intro to FFA slides with guided notes   | Intro to FFA slides with guided notes   | AET records on Chromebooks in class   |
| Assessment     | Formative: Time on task, reflection   | Formative: Time on task, reflection   | Formative: Time on task, reflection   | Formative: Time on task, reflection   | Formative: Time on task, reflection   |
|                | Summative: handout, unit quiz   | Summative: handout, unit quiz   | Summative: handout, unit quiz   | Summative: handout, unit quiz   | 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        | Range Sites and Trends  | Stocking Rates  | Stocking Rates  | Stocking Rates  | Stocking Rates  |
| Objectives     | 1. Students will describe different ecological sites<br>2. Students will identify factors that affect ecological sites                | 1. Students will describe effects of grazing on habitat<br>2. Students will identify factors that affect stocking rates               | 1. Students will describe effects of grazing on habitat<br>2. Students will identify factors that affect stocking rates               | 1. Students will describe effects of grazing on habitat<br>2. Students will identify factors that affect stocking rates               | 1. Students will describe effects of grazing on habitat<br>2. Students will identify factors that affect stocking rates               |
| Activities     | Finish soil texturing lab in class  | Stocking rates slides with guided notes   | Stocking rates worksheets 1-3 in class  | Stocking rates worksheets 1-3 in class  | Stocking rates worksheets 1-3 in class  |
| Assessment     | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  |
|                | Summative: notes, unit test, range plant collections  | Summative: notes, unit test, range plant collections  | Summative: notes, unit test, range plant collections  | Summative: notes, unit test, range plant collections  | 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<br>2. Students will describe how transgenic organisms are created             | 1. Students will identify applications of biotechnology<br>2. Students will describe how transgenic organisms are created             | 1. Students will identify applications of biotechnology<br>2. Students will describe how transgenic organisms are created             | 1. Students will identify applications of biotechnology<br>2. Students will describe how transgenic organisms are created             | 1. Students will identify applications of biotechnology<br>2. Students will describe how transgenic organisms are created             |
| Activities     | Animal Biotech slides with guided notes   | Animal Biotech slides with guided notes   | Plant Biotech slides with guided notes  | Plant Biotech slides with guided notes  | Plant Biotech slides with guided notes  |
| Assessment     | Formative: participation, discussion  | Formative: participation, discussion  | Formative: participation, discussion  | Formative: participation, discussion  | Formative: participation, discussion  |
|                | Summative: lab sheets, unit test  | Summative: lab sheets, unit test  | Summative: lab sheets, unit test  | Summative: lab sheets, unit test  | 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.   | Wildlife Management   | Wildlife Management   | Wildlife Management   | Wildlife Management   | Wildlife Management   |
| Objectives     | 1. Students will describe factors affecting species extinction<br>2. Students will identify threatened and endangered species         | 1. Students will describe factors affecting species extinction<br>2. Students will identify threatened and endangered species         | 1. Students will describe factors affecting species extinction<br>2. Students will identify threatened and endangered species         | 1. Students will describe factors affecting species extinction<br>2. Students will identify threatened and endangered species         | 1. Students will describe factors affecting species extinction<br>2. Students will identify threatened and endangered species         |
| Activities     | Yellowstone Elk Case study in class   | Wildlife Management careers activity on Google Classroom  | Wildlife Management careers activity on Google Classroom  | Wildlife Management careers activity on Google Classroom  | Wildlife Management careers activity on Google Classroom  |
| Assessment     | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  | Formative: discussion, check for understanding  |
|                | Summative: note handout, lab sheets, unit test  | Summative: note handout, lab sheets, unit test  | Summative: note handout, lab sheets, unit test  | Summative: note handout, lab sheets, unit test  | 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        | Intro to Shield Metal Arc Welding   | Intro to Shield Metal Arc Welding   | Intro to Shield Metal Arc Welding   | Intro to Shield Metal Arc Welding   | Intro to Shield Metal Arc Welding   |
| Objectives     | 1. Students will utilize SMAW processes<br>2. Students will demonstrate safe shop procedures  | 1. Students will utilize SMAW processes<br>2. Students will demonstrate safe shop procedures  | 1. Students will utilize SMAW processes<br>2. Students will demonstrate safe shop procedures  | 1. Students will utilize SMAW processes<br>2. Students will demonstrate safe shop procedures  | 1. Students will utilize SMAW processes<br>2. Students will demonstrate safe shop procedures  |
| Activities     | 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   |
| Assessment     | Formative: time on task, participation  | Formative: time on task, participation  | Formative: time on task, participation  | Formative: time on task, participation  | Formative: time on task, participation  |
|                | Summative: job sheet, unit test   | Summative: job sheet, unit test   | Summative: job sheet, unit test   | Summative: job sheet, unit test   | 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   |