

Ag Mechanics I

Class Schedule

September

Week 1:

5 - Introduction

6 – Reducing Hazards

7 – Tool and Fastener ID

8 – Layout Tools

Week 2:

11 – Quiz – Safety and Measurement/Shop
Policy Sheet Due

12 – Lab Instructions

13 - Lab

14 – Lab

15 – Lab

Week 3:

18– Selecting, Cutting, and Shaping Wood

19 - Lab

20 - Lab

21 – Lab

22 – Lab

Week 4:

25 – Portable Power Tools

26 – Preparing Wood for Painting

27 – Lab

28 - Lab

29– Lab – 150 Lab Points Due

October

Week 5:

2 – Selecting and Applying Painting
Materials

3 – Identifying, Cutting, and Bending Metal

4 – Lab

5 - Lab

6- Lab

Week 6:

9 - Lab

10 – Metal Working with Power Machines

11 - Lab

12 - Lab

13 – Lab

Week 7:

16 – Lab

17 - Lab

18 - Lab

19 - Lab

20 – Lab – 250 Lab Points Due

Week 8:

23 - Lab

24 - Lab

25 - Lab

26- Lab

Week 9:

30 – Lab

31- All First Quarter Labs Due (350 Points)

November

1 – Test Review

2 – First Quarter Concept Exam

3 – Using Gas Welding Equipment

Week 10:

6 – Cutting With Oxy-Fuels

7 – Torch Demonstrations

8 – Oxy-Acetylene Safety Quiz

9 – Chisel Making Demonstrations

10 – Lab

Week 11:

13- Lab

14 – Principles of Arc Welding/Welding
Safety Demonstrations

15 - Selecting and Using Arc Welding
Equipment

16 – Arc Welding Mild Steel

17 – Arc Welding Safety Quiz

Week 12:

20 - Lab

21 – Lab

Week 13:

27 – Lab

28 – Lab

29 – Lab

30- Lab

December

1 – Lab

Week 14:

4 – Lab

5 - Lab

6 - Lab

7- Lab – 325 Lab Points Due

8 – Electrical Principles

Week 15:

11 – Installing Branch Circuits

12 - Lab

13 - Lab

14 – Lab

15 – Lab

Week 16:

18 – Lab

19 – Lab

20- Lab

21 – Lab – 425 Lab Points Due

January

Week 17:

2 – Plumbing

3 – Lab

4 –Lab

5 – Reconditioning Tools

Week 18:

8 – Lab

9 – Lab

10– Lab

11- Knots Lab (work as class)

12 – Knots Lab (work as class) **All Second Quarter Labs Due (525 Points)**

Week 19:

15 – Review for Final Exam

Final Exam (Written = Second Quarter Concepts; Practical = Arc Weld Butt Joint, Cut Sheet Metal Square and Drill Hole in Middle; Cut Board Square; Tie Square Knot; Tool ID and Use

First Quarter Labs

Square Layout – 25 Points

Wooden Parts Box – 100 Points

Pop Rivet Practice – 25 Points

Metal Box – 100 Points

Machinist's Hammer – 100 Points

Total = 350 Points

Second Quarter Labs

Recondition Tool of Choice - 25 Points

Torch Cut and Pierce - 25 Points

Chisel – 100 Points

Cut and Thread Steel Pipe – 25 Points

Solder Copper Pipe – 25 Points

Fasten PVC Pipe – 25 Points

Wiring Exercise – 100 Points

Arc Welding Lab Series – 100 Points

Wire Feed Welding Lab Series – 100 Points

Knots – 25 Points

Total = 525 Points