

Week 1

Date	Learning Targets: I can...	Activities	Assessment
2/25	1. Describe class expectations for behavior and work ethic 2. Understand class activities and competencies to be gained 3. Identify opportunities to get involved in FFA	- Icebreaker - Overview of the Syllabus and Competencies (post it notes and then posters over units) - Class Materials needed - Classroom Expectations	• Return syllabus agreement and Explore Bowhunting Agreement by Friday 8/17
2/26	1. Create a classroom notebook 2. Develop a SAE Project and keep records	- Develop a table of contents for notebook - SAE Calendar Pages	• Notebook Checks four times per semester
2/27	Unit 1: Beginnings and Safety 1. Trace the developments of small engines throughout history	- Small Engine Timeline	- Exit Slip
2/28	1. Identify common injuries occurred from the operation of small engines	- Video and PPT	- brainteaser
3/1	1. Describe and practice general shop safety procedures	- Fire triangle test - Shop Tour and Clean Up	- Notebook notes checked

Week 2

Date	Learning Targets: I can...	Activities	Assessment
3/4	Examine a MSDS sheet for potential workplace hazards Describe the dangers associated with moving machinery, parts, and blades	MSDS- Paint Thinner http://www.youtube.com/watch?v=pxLzIj68s5E http://www.youtube.com/watch?v=KmgIqVwytwA&feature=related	Safety Pop Quiz
3/5	Review for the Safety Exam	Review Guide	RTK Quiz
3/6	Review for the Safety Exam	Review Game	
3/7	Complete the Safety Exam		Exam
3/8	Unit 2: Engine Operations Differentiate between internal and external engines Identify the parts of the small engine	PPT and Parts Lab Engine Parts Lab	

Week 3

Date	Learning Targets: I can...	Activities	Assessment
3/11	No School - PD		
3/12	Complete the Safety Exam	Exam	Exam
3/13	Differentiate between internal and external engines Identify the parts of the small engine	PPT and Parts Lab	Quiz
3/14	Describe the four strokes of an internal combustion engine	Crankcase Lab	Lab sheet
3/15	Describe the differences between 4-stroke and 2-stroke engines	Graphic Organizer	Quiz

Week 4

Date	Learning Targets: I can...	Activities	Assessment
3/18	Utilize energy conversion principles to better understand the work output of a small engine	Energy Conversions (Pressue, Work)	Equation Worksheet
3/19	Utilize energy conversion principles to better understand the work output of a small engine	Energy Conversions (Horsepower, Torque)	Equation Worksheet
3/20	Calculate piston displacement	Review Lab for Conversions and Calculations	Identification quiz
3/21	Calculate Piston Displacement	Piston Displacement Lab	Energy Conversions Quiz
3/22	Calculate piston displacement	Piston Displacement PPT Worksheet	Identification quiz

Week 5

Date	Learning Targets: I can...	Activities	Assessment
3/25	Calculate Piston Displacement	Worksheet	Quiz
3/26	Create a small business model for a small engine operation	Business Plan	Project Grade
3/27	Create a small business model for a small engine operation	Business Plan	Project Grade
3/28	Create a small business model for a small engine operation	Business Plan	Project Grade
3/29	Create a small business model for a small engine operation	Business Plan	Project Grade

Spring Break April 1st- 5th

Week 6

Date	Learning Targets: I can...	Activities	Assessment
4/8	Review Energy Conversion Principles	Calculating RPM of Small Engine	Lab
4/9	Calculate horsepower	Horsepower Lab	Lab
4/10	Identify tools commonly used in small engine repair	Tools ID	ID
4/11	Complete the Engine Operations Study Guide	Study Guide	Study Guide
4/12	Complete the Engine Operations Exam	Exam	Exam

Week 7

Date	Learning Targets: I can...	Activities	Assessment
4/15	Unit 3: 5 Systems Describe how a magneto generates an electrical current and set the air gap	PPT and Lab	Lab Grade
4/16	Draw and label a small engine ignition system	Video and Notes	Drawing of System
4/16	List and explain the principles of operation pertaining to small engine carburetors	Torque Spark Plug Carburetion Notes	Quiz
4/18	Describe the various types of carburetors	Carburetion Notes	Ignition System Quiz
4/19	Describe how governors work on the small engine	Types of Governors	Lab

Week 8

Date	Learning Targets: I can...	Activities	Assessment
4/22	Review for the carburetion and ignition exam	Study Guide	Exam
4/23	Describe how the governor protects the engine from wear and tear	Notes	Quiz
4/24	Review for the Unit Exam	Review Game	Participation
4/25	Complete the 5 Systems Exam	Exam	Exam
4/26	Unit 4: Engine Tear Down and Assembly Tear down the engine and reassemble it to run properly	Engine Labs	Project Grade