- 71 05 points	4-II ƏMAN LIIYINGƏ — MILGI MICUIALG	
= 86-100 points	4-H Small Engines — Intermediate	
Total		
eatness of record (15 possible)		
ppropriate grammar (15 possible)		
ccuracy of answers (30 possible)		Steube
ompleted (40 possible)		

C = 70 points or less

Steuben	County 4-H
	SENG-Inter-21



			y of May to exhibit each project at the fair. essional to help you prepare your responses.
The Basics		4-H (Club
Traine		4110	
	Years in 4-H	Grade	Years in Project
Crank It Up			
Define horsepowe	r as it relates to smal	l engines	
Explain the differen	nce between a two-c	ycle engine and a four-st	roke engine.
· 			
What two-cycle en	gines do you have at	: home?	
What four atraka	nginos do vou bovo	at hama?	
what lour-stroke e	ingines do you nave a	at nome?	
Warm It Up			
•	part to its definition.		
Bearings		•	a gear, cam lobes, and bearing driven by crankshaft
Camshaft		Contains the cylind	er bore, cooling fins, and valve components
Crankshaft		Valve through whice	h the burned gases are removed from the engine
Cylinder Block		Designed to reduce	friction between a stationary and moving part
Exhaust Valve		☐ Converts linear mo	tion, the primary shaft of the engine
Flywheel		☐ Gears that transmit	motion from the crankshaft to insure proper timing
Oil Slinger		☐ Heavy disk mounte	d on one end of the crankshaft to provide inertia
Piston			th in the cylinder by combustion forces
Timing Gears		☐ Distributes oil throu	ghout the crankcase to lubricate bearings

List three reasons why a small engine might have poor compression.	
1	
2	
3	
What is the role of a carburetor in an engine?	
List the steps you would use to prepare a small engine for winter storage	
Tune It Up	
Provide a brief description of your 4-H exhibit or plan for your exhibit.	
We do not necessarily care what you spent constructing your exhibit, but it is good for you to understand the have a cost. Even poster boards are not free. Approximately how much did you spend constructing your exhibit think you'll spend once it is complete? \$0.00-\$5.00 \$5.00-\$15.00 \$15.00-\$30.00 \$30.00-\$50.00 Greater than \$50.00	-
Away It Goes	
Name four ways in which you could use a small engine to make some money as an entrepreneur in or near	our
community.	
1.	
2 3.	
3 4.	
···	
What is one thing you learned or sparked your interest as a result of completing this project?	
In what way does this project apply to your life, or why is this subject matter important to you?	