

Completed (40 possible)	_____
Accuracy of answers (30 possible)	_____
Appropriate grammar (15 possible)	_____
Neatness of record (15 possible)	_____
Total	_____
A = 86-100 points	
B = 71-85 points	
C = 70 points or less	



4-H Small Engines – Beginner (Grades 3-5) Record Sheet

Record for Year _____

A completed record sheet is due by the last business day of May to exhibit each project at the fair.
Use any 4-H publications, the internet, the library, or a professional to help you prepare your responses.

The Basics

Name _____ 4-H Club _____

Years in 4-H _____ Grade _____ Years in Project _____

Crank It Up

Name three basic tools needed to maintain a small engine.

1. _____
2. _____
3. _____

What is the role of a spark plug in an engine? _____

Engines produce exhaust gases or fumes. What odorless deadly gas does exhaust contain? _____

There are two types of starters—electric and recoil. Describe a recoil starting system. _____

Warm It Up

What is viscosity and what does it have to do with engine oil? _____

Find two small engines that you have at home. What type of oil does each engine require?

Small Engine Machine (ie. chainsaw, leaf blower, etc.)	Type of Oil Required (ie. SAE 5W-30, etc.)

Why is it important to change the air filter on a small engine regularly? _____

Most vehicles are cooled with radiator fluid in the radiator. How are small engines cooled? _____

Think of three machines that have small engines. What safety labels (caution, warning, or danger) would you find on each?

Small Engine Machine (ie. tiller, lawn mower, etc.)	Safety Labels (ie. Mower deck says, "Danger: Keep hands and feet away")

Describe proper lawn mower maintenance. _____

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 that things have a cost. Even poster boards are not free. Approximately how much did you spend constructing your exhibit or 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 two businesses or companies in or near our community in which individuals work with small engines.

1. _____
2. _____

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? _____
