

Science & Technology

SMALL ENGINES LEVEL 2

[Table of Contents](#)

Rev. 09-20

Projects & Materials	Requirements	Exhibit Requirements
<p>Youth Materials:</p> <ul style="list-style-type: none"> • National 4-H Curriculum <i>Warm It Up, Level 2</i> (#BU-08187) 📖 2005 • <i>ZSuites 4-H Involvement Report</i> • <i>ZSuites 4-H Project Record Book</i> <p>Volunteer Materials:</p> <ul style="list-style-type: none"> • National 4-H Curriculum <i>Small Engines Helper's Guide</i> (#BU-08189) 📖 2005 	<p>In the member's current Manual:</p> <ul style="list-style-type: none"> • Complete a minimum of 7 required/optional activities each year. • Finish at least 21 of the required and optional activities within 3 years to pass each book. • Have your project helper date (month and year) and initial each activity when it is finished. • Give an oral presentation (speech, demonstration or illustrated talk) related to this project. <p>Complete the following:</p> <ul style="list-style-type: none"> • <i>ZSuites 4-H Involvement Report</i> • <i>ZSuites 4-H Project Record Book</i> 	<ul style="list-style-type: none"> • ZSuites 4-H Project Record Book • ZSuites 4-H Involvement Report • Completed Member Guide <p>Exhibit one of the following:</p> <ul style="list-style-type: none"> • A poster (14"x22") or display illustrating something you learned in this project this year. • A scrapbook of pictures of an activity you conducted • One of the following items (each year it should be a different item): <ul style="list-style-type: none"> ○ Classifying small engines ○ Determining engine size ○ Comparison of diesel and gasoline engines ○ Alternative energy sources ○ Grades of gasoline ○ Grades of engine oil ○ Small engine parts ○ Buying engine parts ○ Air cleaner cutaway ○ Electrical system cutaway <p>Note: Exhibits must utilize only skills, tools, and techniques taught in this project book or previous levels</p>
<p>County Requirements: Check with your County Extension office for more information.</p>		
<p>Support Materials: To order National 4-H Curriculum visit: https://shop4-h.org/products/small-engines-curriculum-2-warm-it-up Volunteer Guide: https://shop4-h.org/products/small-engines-curriculum-helpers-guide Idaho 4-H Small Engines page: https://www.uidaho.edu/extension/4h/projects/small-engines</p>		
<p>Optional Supporting Materials: www.briggsandstratton.com (Briggs and Stratton) www.ariens.com/en-us (Ariens) www.deere.com (John Deere) www.kohlerengines.com (Kohler) http://www.tecumseh.com Tune (Tecumseh)</p>		