



**Enroll in ZSuite Under this Project Name:** TECS-SMALL ENGINES-Lv 1: Crank It Up

*Approved for 2023-24 Project Year*

**Project Description:** Youth learn about engine parts, engine maintenance, oil grades, spark plugs, cooling systems, and safety labels.

#### REQUIRED YOUTH CURRICULUM

[Crank It Up, Level 1](#) (#08186), 2005

[ZSuite 4-H Involvement Report](#)

[ZSuite 4-H Project Record Book](#)

#### REQUIRED VOLUNTEER CLUB LEADER CURRICULUM

[Small Engines Helper's Guide](#) (#08189), 2005

#### SUPPLEMENTAL RESOURCES

[Briggs & Stratton](http://www.briggsandstratton.com) (www.briggsandstratton.com)

[Ariens](http://www.ariens.com/en-us) (www.ariens.com/en-us)

[John Deere](http://www.deere.com) (www.deere.com)

[Kohler](http://www.kohlerpower.com/en/engines) (www.kohlerpower.com/en/engines)

[Tecumseh Engines](http://www.tecumsehengineparts.com) (www.tecumsehengineparts.com)

The University of Idaho has a policy of nondiscrimination on the basis of race, color, religion, national origin, sex, age, sexual orientation, gender identity/expression, disability, or status as a Vietnam-era veteran. This policy applies to all programs, services, and facilities and includes, but is not limited to, applications, admissions, access to programs and services, and employment. State 4-H scholarships for education or events are available to all 4-H participants. [Persons with disabilities who wish to request reasonable accommodation may do so by filling out an online form here, or by requesting the accommodation form from their local Extension 4-H office.](#)



## PROJECT COMPLETION CHECKLIST

STATE REQUIREMENTS	
	Complete a minimum of 7 required/optional activities in the Crank It Up member manual 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.
	Complete the 4-H Project Record Book for this project in your ZSuite Member Account
	Fill out your 4-H Involvement Report in your ZSuite Member Account
	Give an oral presentation (speech, demonstration, or illustrated talk) to your 4-H peers on a topic related to this project. Recommended guidelines for length of oral presentations are: <ul style="list-style-type: none"> <li>• Junior: 5-8 minutes</li> <li>• Intermediate: 8-10 minutes</li> <li>• Senior: 10-12 minutes</li> </ul>

ADDITIONAL LOCAL REQUIREMENTS

FAIR EXHIBIT CHECKLIST	
	Completed Idaho 4-H Involvement Report (ZSuite)
	Completed Idaho 4-H Project Record Book for this project (ZSuite)
	Crank It Up Member Manual
	ONE of the following exhibit options: <ul style="list-style-type: none"> <li>• A poster (14"x22") or display illustrating something you learned in this project this year.</li> <li>• A scrapbook of pictures of an activity you conducted</li> <li>• One of the following items (each year it should be a different item): <ul style="list-style-type: none"> <li>○ History of Engines</li> <li>○ Classifying Small Engines</li> <li>○ Uses of Small Engines</li> <li>○ Matching machines to the job</li> <li>○ Engine operation</li> <li>○ Small Engine Parts</li> <li>○ Buying Small Engine Parts</li> <li>○ Electrical System Operation</li> <li>○ Needs for Lubrication</li> <li>○ Needs for Cooling System</li> </ul> </li> </ul>

The University of Idaho has a policy of nondiscrimination on the basis of race, color, religion, national origin, sex, age, sexual orientation, gender identity/expression, disability, or status as a Vietnam-era veteran. This policy applies to all programs, services, and facilities and includes, but is not limited to, applications, admissions, access to programs and services, and employment. State 4-H scholarships for education or events are available to all 4-H participants. [Persons with disabilities who wish to request reasonable accommodation may do so by filling out an online form here, or by requesting the accommodation form from their local Extension 4-H office.](#)