According to the 2019 Idaho Career Information System—

- Small Engine Mechanics earn $35,595 per year (Boise median wage).

- About 171 people work in this small yet very fast growing occupation. About 11 percent are self-employed. Opportunities are better for people who complete formal mechanic training programs. Small engine mechanics who have leadership ability may advance to shop supervisor or service manager jobs. As small engines become more sophisticated people will need to take their equipment to mechanics for repair. Many job openings will demand on mechanics who retire.

“I like fixing things.”

Richard E. Grant
Small Gasoline Engine repair training is offered through the Career & Technical Center (CTE) — Meridian Campus. Students engage in applied hands on instruction in diagnosing and repairing equipment and outdoor recreational vehicles run by small engines such as lawn mowers, snowmobiles, motorcycles and four wheelers. Students attend class in a special tailored classroom. Local business representatives serve on an Advisory Board that helps provide support and guidance to ensure industry standards are met.

Certifications:
Students may earn an Equipment and Engine Training Council (EETC)/2-4 Stroke Engine Certification and a STIHL Bronze Level Training Certification.

Recommended Classes:
Most of the big home high schools offer the following 9th grade recommended classes. Students who can take these classes at their home high school are encouraged to do so. If not, they can take them when they begin to travel to the CTE center part-time as a 10th grader.

- **Intro to Small Gasoline Engines**
  - This 10th grade course is a prerequisite course to Advanced Small Gas Engines I and is also taught at the tech center. It is designed to develop skills in selection, operation and maintenance of small air-cooled engines. The course also covers the theory of ignition, carburetion, and compression plus measuring tools and ordering parts. Students must pass a safety exam with a 70% or higher.

- **Introduction to Mechanics**
  - is recommended. It familiarizes students with basic mechanical theory and skills which are helpful to know when pursuing this program of study.

CTE Center courses:

Advanced Small Gasoline Engines I

- In this class students apply previous learned skills and knowledge to hands-on work. Instruction covers the theory of operation and students are expected to demonstrate their knowledge by repairing and maintaining 2 and 4 cycle small engines.

Advanced Small Gasoline Engines II

- This course is a year-long advanced course that offers students the opportunity to earn industry certifications. The course covers selection, operation and maintenance of small air-cooled engines, multi-cylinder engines, hydraulics, electric motors and agri-

Learn more about...

CTE Magnet Programs at:
www.westada.org/CTE

CTE Administrative Office - 208.350.5051