| Name of Unit: **Small Gas Engines** | |
|---|---|
| **Grade** | **11 & 12** |
| **Unit of Study** | **SGE Teardown and Troubleshooting** |
| **Length of Unit** | **15** |

| **Missouri Learning Standards** | |
|---|---|
| **7.2** Disassemble a four-stroke cycle engine ©<br><br>**7.3** Inspect and service a cylinder<br><br>**7.6** Inspect and service a valve train assembly © | **7.7** Reassemble a four-stroke cycle engin**e** ©<br><br>7.8Identify the differences between L-head and overhead valve trains ©<br><br>7.9 Test compression ©<br>©- Core competencies from Small Engine Tech. Comp. |

| **Learning Targets** |
|---|
| I can properly disassemble an engine down to a bare engine block. |
| I can identify all components of a SGE and replace/repair the defective part. |
| I can identify a problem in the engine and repair any necessary parts, |

| **Intervention and Enrichment** |
|---|
| If a student requires additional help with the lesson, meet with the student and discuss a plan moving forward. |

| **Assessments** | |
|---|---|
| **MLS (Learning Goal)** | **Description or Location** |
| ● Disassemble an engine to bare block and reassemble | SGE File Folder |
| ● `Troubleshoot engine faults` | SGE File Folder |

| **Vocabulary** |
|---|

| | | | |
|---|---|---|---|
| Cam<br>Torque<br>Bearing | Throttle<br>Displacement<br>Rich/Lean (Fuel) | Lubricants | |

## Instructional Materials

Service repair manual
Small gas engine

## Additional Instructional Resources

See {Name of Folder} folder

## Reflections for Future Revisions

{Text}