AUT 110 Small Gas Engines
3 Credits
College Now/CTE
Student Outcomes Checklist
cocc.edu/departments/college-now

Student's Name_____

Student's Signature _____**Completion Date** _____

High School Teacher's Signature _____

Recommended Grade _____ **High School** _____

COCC Review Faculty's Signature _____

COURSE DESCRIPTION: Course is designed to study and apply the theory, operation, diagnoses, and repair of small gas engines and their use in the world today.

REQUIRED TEXT, DVD and WORKBOOK: *Small Gas Engines*, by Roth, 2004 edition. This course also utilizes a DVD and workbook provided by Ken Mays, COCC Automotive Program. Contact Ken at kmays@cocc.edu or 541.383.7753.

REQUIRED DOCUMENTATION: The high school teacher will send the completed student outcomes checklist (pages 1-3) and the signed final grade roster to: College Now Office, Central Oregon Community College, 2600 NW College Way, Bend, OR 97703.

ASSESSMENT AND GRADING: This automotive course utilizes a mastery level grading system. Mastery means that the student has completed each learning station at 100% proficiency on all labs and homework. If the student does not attain 100% proficiency on the first try, it is the student's responsibility to repeat the activity (lab and homework) until 100% proficiency is attained. All testing is hands-on.

Teacher evaluation will be based on the following:

1. Lab participation, completion of assignments (90% of Final Grade).
2. Professional behavior (10% of Final Grade).
   a. makes constructive use of time, seeks learning experience.
   b. maintains a positive learning attitude.
   c. maintains appropriate dress.
   d. notifies teacher of absences in advance.

GRADING: A, A-, B+, B, B-, C+, C, D, F.
See College Now Grading Policy.

FINAL GRADING SCALE:

100 – 92	A	(4.0 Points)	81 – 80	B-	(3.3 Points)
91 – 90	A-	(3.7 Points)	79 – 78	C+	(2.3 Points)
89 – 88	B+	(3.3 Points)	77 – 70	C	(2.0 Points)
87 – 82	B	(3.0 Points)	69 – 65	D	(1 Point)
			< 64	F	(0 Points)

FINAL GRADE COMPUTATION: Assign points based on grade given for lab/assignments and professional behavior.

Labs and Assignments: _____ Points x 75% = _____Points
Professional Behavior: _____ Points x 15% = _____Points
Total = _____Points

Recommended Letter Grade_____
Enter here and on page 1

AUT 110 Small Gas Engines
LABS and ASSIGNMENTS

STUDENT NAME: _____

LEARNING OUTCOMES:
1. Gather and record engine specifications for small gas engines during disassembly.
2. Demonstrate and apply safety protocols while working in the shop, around small gas engines, and handling hazardous materials.
3. Disassemble and re-assemble a small gas engine while displaying strong organizational skills.
4. Perform the use of precision measurement instruments when measuring small gas engine components.
5. Describe and apply diagnostic procedures to troubleshoot small gas engine performance issues.
6. Describe and practice safety procedures while working in an automotive shop environment.

INSTRUCTIONS:
Teacher: The high school teacher will evaluate, sign and date each lab assignment when the student has attained 100% proficiency.
Student: Follow the outline for each learning station. Complete the homework/skills test **prior** to the lab. You must master each assignment with 100% proficiency. You may repeat the assignment until you achieve 100%. Ask your teacher to evaluate, sign and date each activity before you advance to the next lab.

Lab 1. Small gas engine tool identification

Teacher's Signature _____ Date_____

Lab 2. Micrometer and precision measurement exercise

Teacher's Signature _____ Date_____

Lab 3 Gas engine diagnoses – mechanical

Teacher's Signature _____ Date_____

Lab 4 Gas engine diagnoses – electrical

Teacher's Signature _____ Date_____

Lab 5. Gas engine diagnoses – fuel system

Teacher's Signature _____ Date_____

Lab 6. Engine specification sheet

Teacher's Signature _____ Date_____

Lab 7. Gas engine disassemble and measurement

Teacher's Signature _____ Date_____

Lab 8. Gas engine assemble – restart

Teacher's Signature _____ Date_____

Lab 9. Sharpen and balance a mower blade

Teacher's Signature _____ Date_____

(All appropriate homework assigned using the automotive textbook available as appropriate.)