



Course Overview	Students investigate and describe operating principles, construction and applications of engines.												
Prerequisite	<i>Please refer to Alberta Education's Provincially Authorized Senior High School Courses and Course Codes Document</i>												
Required Materials & Resources	<ul style="list-style-type: none"> All materials, tools, and machines are provided in our CTS lab. 												
Learning Outcomes	<p>The student will:</p> <ul style="list-style-type: none"> A. demonstrate the safe use of tools and follow established laboratory procedures. B. compare operating principles of two- and four-cycle piston engines. C. determine the condition of an internal combustion engine. D. describe the by-products of combustion and their impact on the environment. E. demonstrate basic competencies. F. make personal connections to the cluster content and processes to inform possible pathway choices. 												
Note	<i>Within Alternative Education all teachers are required to follow a common course outline and gradebook set up.</i>												
Assessment	<p>The student's grade is determined by the knowledge, skills, and abilities that the student has acquired based on the program of studies and the knowledge, skills, and abilities that the student is able to demonstrate and communicate.</p> <p>The student's grade will be calculated based on the following:</p> <p>Coursework – 100%</p> <p><i>*There is no final exam for this course</i></p>												
Topics of Study	<table border="1"> <thead> <tr> <th>UNIT</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Safety Practice in Lab</td> </tr> <tr> <td>2</td> <td>Knowledge of Processes</td> </tr> <tr> <td>3</td> <td>Skill Demonstrated</td> </tr> <tr> <td>4</td> <td>Quality of Workmanship</td> </tr> <tr> <td>5</td> <td>Cooperativeness with Crew</td> </tr> </tbody> </table>	UNIT	TITLE	1	Safety Practice in Lab	2	Knowledge of Processes	3	Skill Demonstrated	4	Quality of Workmanship	5	Cooperativeness with Crew
UNIT	TITLE												
1	Safety Practice in Lab												
2	Knowledge of Processes												
3	Skill Demonstrated												
4	Quality of Workmanship												
5	Cooperativeness with Crew												
An Important Note About Assessment	A wide range of assessment information is used in the development of a student's final grade. Within Alternative Education, individualized assessments provide specific information regarding student progress and overall performance in the course. Student assessments may vary from student to student to adapt to differences in student needs, learning styles, preferences and paces. The teacher will apply best teaching practices to determine appropriate assessment.												

TEACHER'S CONTACT INFORMATION:

Teacher's Name:	
Teacher's Phone Number:	
Teacher's Email Address:	