



**ELECTRO-TECHNOLOGIES 1010 – ELECTRO-ASSEMBLY 1**

**ELT1010**

**1 Credit Course**

<b>Course Overview</b>	Students apply basic fabricating and servicing techniques to construct and test electronic and electromagnetic devices and cables.												
<b>Prerequisite</b>	<i>Please refer to Alberta Education's Provincially Authorized Senior High School Courses and Course Codes Document</i>												
<b>Required Materials &amp; Resources</b>	<ul style="list-style-type: none"> <li>All materials, tools, and machines are provided in our CTS lab</li> </ul>												
<b>Learning Outcomes</b>	<p><b><i>The student will demonstrate an ability to:</i></b></p> <ol style="list-style-type: none"> <li>create a health and safety plan with special emphasis on conditions and factors related to the specific pathway or series of courses</li> <li>research common processes and methods of hazard identification, assessment and control specific to the pathway or series of courses</li> <li>apply the appropriate fabrication techniques, including proper soldering and component assembly procedures, to construct and test a simple electronic circuit</li> <li>apply the appropriate fabrication techniques to construct and test an electromagnetic device</li> <li>identify and assemble common electrical/electronic cables and connectors used in power, audio and video connections</li> <li>demonstrate established laboratory procedures and safe work</li> <li>demonstrate basic competencies</li> <li>make personal connections to the cluster content and processes to inform possible pathway choices</li> </ol>												
<b>Note</b>	<b><i>Within Alternative Education all teachers are required to follow a common course outline and gradebook set up.</i></b>												
<b>Assessment</b>	<p>The student's grade is determined by the knowledge the student has acquired based on the program of studies and the skills the student is able to show in articulating his or her knowledge.</p> <p>The student's grade will be calculated based on the following:</p> <p><b>Coursework – 100%</b></p> <p><i>*There is no final exam for this course</i></p>												
<b>Topics of Study</b>	<table border="1"> <thead> <tr> <th>ASSIGNMENT</th> <th>DESCRIPTION</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>	ASSIGNMENT	DESCRIPTION	1	Safety Practice in lab	2	Knowledge of Processes	3	Skill Demonstrated	4	Quality of Workmanship	5	Cooperativeness with Crew
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<b>An Important Note About Assessment</b>	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:**

<b>Teacher's Name:</b>	
<b>Teacher's Phone Number:</b>	
<b>Teacher's Email Address:</b>	