



# CROCUS PLAINS REGIONAL SECONDARY SCHOOL

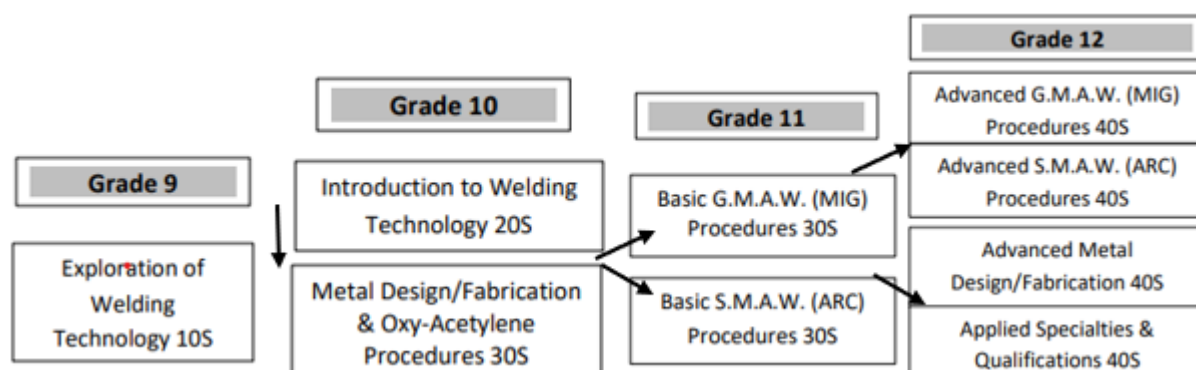
## COURSE OUTLINE AND ASSESSMENT GUIDE

**Course Name:** WTA 10S *Exploration of Welding Technology*

**Teacher's Name:** Mr. J. Irwin

**Contact Information:** [irwin.jamie@bsd.ca](mailto:irwin.jamie@bsd.ca) or by phone 729-3928

**Course Description:** This course was designed for Senior I students wanting a good exposure to the metal fabrication/welding shop atmosphere. It is open to students at any level and is **not** a prerequisite to WTA 20S. Students in this course will learn the importance of safety in the workplace. It offers the use of metal fabrication tools and equipment, measuring and layout tools, shearing, the basics of oxygen/acetylene welding, oxygen/acetylene cutting, Gas Metal Arc Welding, and plasma arc cutting. Students may also be introduced to the Shielded Metal Arc Welding process.



Unit Title	Learning Outcomes	Assessment Plan	Proposed Time (Based on ~ 87 school days)
Written work	Shop safety Oxyfuel equipment Measurement Shop tools Plasma GMAW	<u>Formative Assessment</u> Assessment may include: Questions and quizzes to determine students understanding. Smart response questions, and oral questioning.  <u>Summative Assessment:</u> Final tests/ assignments for each unit. <b>30%</b>	5 days 5 days 5 days 2 days 2 days 2 Days

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time (Based on ~ 87 school days)
Practical welding	Stringers no filler Stringers with filler Corner welds Lap welds no filler Lap welds with filler Tee welds with filler Butt welds GMAW	<u>Formative Assessment</u> Assessment may include:  Day to day instruction and monitoring of techniques and quality.  <u>Summative Assessment:</u>  Assessment will be done based on practical shop tests. <b><u>50%</u></b>	3 Days 3 Days 3 Days 3Days 3Days 5 Days 3 Days 3 Days

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time (Based on ~ 87 school days)
Employability Skills	<ul style="list-style-type: none"> <li>• Demonstrate adherence to shop safety.</li> <li>• Demonstrate the ability to accept and follow direction and feedback in both shop and classroom.</li> <li>• Demonstrate the ability to stay on task and make effective use of class/ shop time.</li> <li>• Demonstrate the ability to communicate respectfully and effectively.</li> </ul>	<u>Formative Assessment</u>  Regular communications about shop expectations, and how to adapt to an employer's expectations.  <u>Summative Assessment</u>  Grading rubric will be used to assess skills necessary for employment expectations.  <b><u>5%</u></b>	Evaluated monthly and is graded on day-to-day skills.

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time (Based on ~ 87 school days)
Final shop testing	Multi Joint Assembly  (A combination of practical welds done at mid and end of course.)	<u>Formative Assessment</u>  Provide feedback about appearance and fit up.  <u>15%</u>	10 days

### **Assessment Guidelines**

There are various purposes for assessment:

- ☐ Assessment *for* learning (**formative assessment**): where assessment helps teachers gain insight into what students understand in order to plan and guide instruction, and provide helpful feedback to students.
- ☐ Assessment *of* learning (**summative assessment**): where assessment informs students, teachers and parents, as well as the broader educational community, of achievement at a certain point in time in order to celebrate success, plan interventions and support continued progress.

### **Academic Achievement**

**Grades will be calculated on summative assessment information only. The final calculation will be a fair reflection of a student's achievement of the learning outcomes.**

Written Work..... 30 %

Practical/Project Work ..... 50 %

Employability Skills..... 5 %

Final Assessment ..... 15 %

- ☐ Provincial Standards Exam
- ☐ Final Exam
- ☐ Final Project/Assignment
- ☐ N/A

### **Learning Behaviours**

Assessment and reporting of learning behaviors will be according to the Brandon School Division Learning Behaviors Rubric.