



CROCUS PLAINS REGIONAL SECONDARY SCHOOL

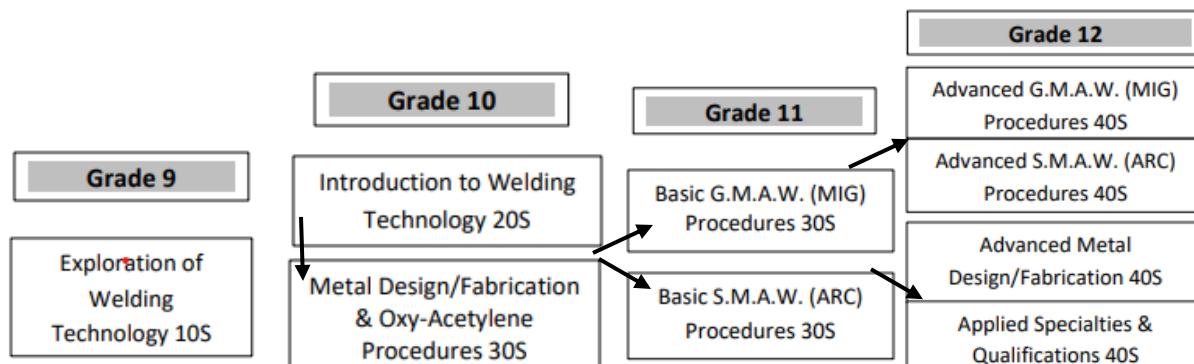
COURSE OUTLINE AND ASSESSMENT GUIDE

Course Name: WTB 30S Basic GMAW Procedures

Teacher's Name: Ms. H. Bruederlin

Contact Information: bruederlin.heather@bsd.ca or by phone 204-729-3928

Course Description: Students taking this course will be learning the basics of GMAW semiautomatic arc welding. They will learn the different components of the equipment, and how to set operating controls to produce sound, quality welds in various positions and joint configurations. Students will also fabricate various required and self-initiated projects.



Unit Title	Learning Outcomes	Assessment Plan
Daily Practical welding	Flat pad, lap, tee, butt and corner welds. Down hand pad, lap, tee, butt, and corner welds. Horizontal pad, lap, tee, butt, and corner welds. Overhead lap and tee welds Positional cube project Vert tee and lap welds Horizontal corners Candlestick project Flat double vee butt Horizontal double vee butt DH double vee butt Flat vee butt Table or shelf project.	<u>Formative Assessment</u> Assessment may include: Feedback on each type of weld, what the student may need to try in order to improve their weld. Allows the student to understand what makes a good weld and asking them to assess their own welding abilities. <u>Summative Assessment</u> Students will be allowed to submit their best overall welds to be marked. 60% of overall mark.

Unit Title	Learning Outcomes	Assessment Plan
Employability Skills	Communication skills Respectful workplace Adaptability and effort Follows direction and feedback. Use of safety in the workplace Daily attendance	<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. 5% of total mark.
Unit Title	Learning Outcomes	Assessment Plan
Written work	Safety GMAW Equipment Blue-print reading Fractions and decimals	<u>Formative Assessment</u> Assessment may include: Questions and discussion about topics. Review of Smart Response questions during class time. <u>Summative Assessment</u> Written tests for each unit. 15% of total mark
Unit Title	Learning Outcomes	Assessment Plan
Final tests	Mid Term Final	<u>Formative Assessment</u> Provide feedback about appearance and fit up. <u>Summative Assessment</u> Rubric to grade on fit up, weld quality, appearance, and workmanship. 20% of total mark.

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..... 25 %

Practical work 35 %

Projects 10 %

Employability Skills 5 %

Final Assessment..... 25 %

- 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.