



CROCUS PLAINS REGIONAL SECONDARY SCHOOL COURSE OUTLINE AND ASSESSMENT GUIDE

Course Name: *WGC 40S Advanced Metal Design/Fabrication*

Teacher's Name: *Mr. J Irwin*

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Course Description:

Students taking this course will be encouraged to set up and produce quality welds during the fabrication of any minor or major projects or repair work that comes into the shop. There will also be emphasis on billing, shop drawings, and material lists.

Text/Other Resources:

Units of Study

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time (Based on ~ 75 school days)
Written work	Structural steel Job research project Blueprint reading Invoicing	<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 or projects for each unit. 15% of total mark	2 4 3 ongoing

Unit Title	Learning Outcomes	Assessment Plan	Proposed Time (Based on ~ 75 school days)
Daily Progression Welds	Major project Minor project Plasma table cut-out Customer work Preparing invoices Shop drawings and material list	<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. 75% of overall mark.	

Shop Maintenance Workplace Expectations	Adaptability and effort Follows direction and feedback Use of safety in the workplace Constructive Use of Shop Time Shop Maintenance	<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. 10% of total mark.	Evaluated monthly and is graded on day-to-day skills.
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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.

Term Work __100__%

- ☐ 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.