



College Heights
Secondary School

WHAT WE'RE ABOUT

If you have a passion for being creative, enjoy learning and having fun, then welding is the course for you!

In this course you will learn to perfect your practical and theoretical skills in welding. This course is for all students that are interested in creating and learning something new. If you are interested in learning hands-on skills then this is the course for you!

For further information regarding our programming please contact the Guidance Office at

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Manufacturing Technology

Welding

SHSM
UPPER GRAND DSB



GRADE 9

Welcome to grade 9 Welding Technology. In this introductory course you will learn the basics of Stick Welding (SMAW), MIG Welding (GMAW), blue print reading and the uses of various manufacturing tools and machines. There is no need for any previous experience, we will teach you how to safely operate all of the tools and machines that you will be using.

GRADE 10

In grade 10, students will continue to develop their skills with MIG Welding (GMAW), blue print reading, layout and safety. Students will also have the opportunity to learn the basics of TIG Welding (GTAW). In this course students have the opportunity to be creative with projects and explore many different aspects of manufacturing.

GRADE 11

In grade 11 students have the opportunity to take the Specialist High Skill Major (SHSM) program. In this course, you will continue to develop your skills that directly relate to the industry. Students will learn to weld in various positions such as flat and horizontal. They will also be able to earn a CWB ticket in the flat and horizontal using the GMAW process which is required by local employers. Students who choose this course will also be able to get various types of training, including WHMIS, basic first aid and CPR training. If welding is your passion then this is the course for you! This course is also offered as a single credit course.

GRADE 12

In this exciting dual credit course students can learn the fundamental skills of pressure pipe welding to enable pipe welding certification at the post secondary level. This course prepares our students for college as well as the workplace. If students choose to participate in the SHSM course they will receive a red seal stamp on their Ontario Secondary School Diploma. Employers appreciate this as it shows dedication and great work ethic. If you're interested in a career in welding, then this is the course for you.

JOB OPPORTUNITIES

There are many job opportunities in the welding industry and these are just a few:

Millwright

A tradesperson who installs, maintains and repairs stationary industrial machinery and mechanical equipment.

Under Water Welder

This involves welding at elevated pressures, normally under water.

Production Welder

This job uses MIG welding equipment to manufacture parts and assemblies as required.

Custom Fabricator

This involves metal fabricating, welding, and detail/ornamental work.

