

Essential Skills you will need for your Career Pathway

The fourteen skills described below are identified by Human Resources Development Canada as “essential skills” through research and interviews with over 3,000 Canadian workers. These skills are used to varying degrees in virtually all occupations; they are not the technical skills required by specific occupations. People in all types of jobs need to be able, for example, to read, to make decisions, and to solve problems. They also need to develop such general skills for use not only in the workplace, but also in everyday life and for lifelong learning.

- **Reading...**the comprehension of text consisting of sentences and paragraphs
- **Writing...**the preparation of written materials for a variety of purposes
- **Use of documents...**the use of labels, lists, signs, graphs, charts, tables, forms, and other similar materials
- **Use of computers...**the use of any type of computerized technology
- **Money math...**the use of mathematical skills in making financial transactions, such as handling cash, preparing bills, and making payments
- **Scheduling or budgeting and accounting...**planning for the best use of time and money, as well as monitoring of the use of time and money
- **Measurement and calculation...**the measurement and calculation of quantities, areas, volumes, and/or distances
- **Data analysis...**the collection and analysis of data in numerical form
- **Numerical estimation...**the production of estimates in numerical form
- **Oral communication...**the use of speech for a variety of purposes
- **Job task planning...**the planning and organization of one’s own work
- **Decision making...**the making of any type of decision, using appropriate information
- **Problem solving...**the identification and solving of problems
- **Finding information...**the use of a variety of sources, including written text, people, computerized databases, and information systems

For further information, please contact:

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**Make an appointment to see your school
guidance councillor to discuss the
Welder Fitter program in greater detail.**



**Cambrian College
of Applied Arts
and Technology**

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A joint Rainbow District School Board, the Sudbury Catholic District School Board and Cambrian College initiative.

Pathways

Enhancing Educational Opportunities for Students

A School / College / Work Initiative

Welder Fitter

Course Selection and Career Pathways

From
Espanola High School
To
Cambrian College of Applied Arts and Technology



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Students following this pathway would possess the following characteristics

- Ability to work independently
- Excellent physical condition
- Visualization skills
- Patient and analytical
- Mathematical and science skills
- Strong problem solving skills
- Mechanical aptitude
- Work well with hands

Employment Opportunities

- Industrial settings
- Non-industrial settings
- Construction
- Manufacturing

Cambrian College Admission Requirements

OSSD or equivalent or mature student status, including:

- Grade 10 English (P) or (D)
- Grade 10 Mathematics (P) or (D)
- Grade 10 Science (P) or (D)

Program description

This program provides students with job-related welding skills and the ability to interpret blueprints and perform basic fitting operations.

Welder Fitter

Note: (*) indicates compulsory credits for OSSD

Shaded text = credits recommended for transition to college program

Grade 9		Grade 10		Grade 11		Grade 12	
English*	ENG1D ENG1P	English*	ENG2D ENG2P	English*	ENG3C or ENG3E	English*	ENG4C or ENG4E
Math*	MPM1D MFM1P	Math*	MPM2D MFM2P	Math*	MBF3C	Math	MAP4C
Canadian Geography*	CGC1D CGC1P	Canadian History*	CHC2D CHC2P	Visual Arts	AVI3O	Physics	SPH4C
Science*	SNC1D SNC1P	Science*	SNC2D SNC2P	Manufacturing Technology	TMJ3E	Manufacturing Technology	TMJ4E
French*	FSF1D FSF1P	Careers and Civics* 0.5 cr. each	GLC2O & CHV2O	Technological Design	TDJ3M TDJ3E	OR Technological Design	TDJ4M TDJ4E
Visual Arts*	AVI1O	Manufacturing Technology	TMJ2O	Option	Option	Option	Option
Option	Option	OR Technological Design	TDJ2O	Option	Option	Option	Option
Option	Option	Option	Option	Option	Option	Option	Option
ADDITIONAL COMPULSORY REQUIREMENTS		1 credit in Arts and one credit in Health and Physical Education 1 additional credit in English, or Third Language, or Social Sciences and the Humanities, or Canadian and World Studies 1 additional credit in Health and Physical Education, or the Arts, or Business Studies 1 additional credit in Science (Grade 11 or 12) or Technological Education (Grade 9-12)					