

(Please replace the High School Apprenticeship write up on page 7 of the Rosenort School Course Handbook, with the one below).

High School Apprenticeship Program (HSAP)

Students in the RRTVA area are surrounded by a multitude of options regarding employment in apprenticeship approved trades. The HSAP provides students with opportunities in which they can explore trades in a real and relevant setting. A student starts the apprenticeship training while attending high school. It combines regular high school instruction with paid, part-time, on-the-job training. It does not take the place of academic studies. The HSAP is available to all students in their home schools, coordinated by a regional coordinator. If interested, please contact Andy Reimer at 204-319-0711 or reimera@blsd.ca.

To participate in the HSAP, the following is required:

- Taking core subjects grades 9-12
- 16 years of age
- Enrolled in High School

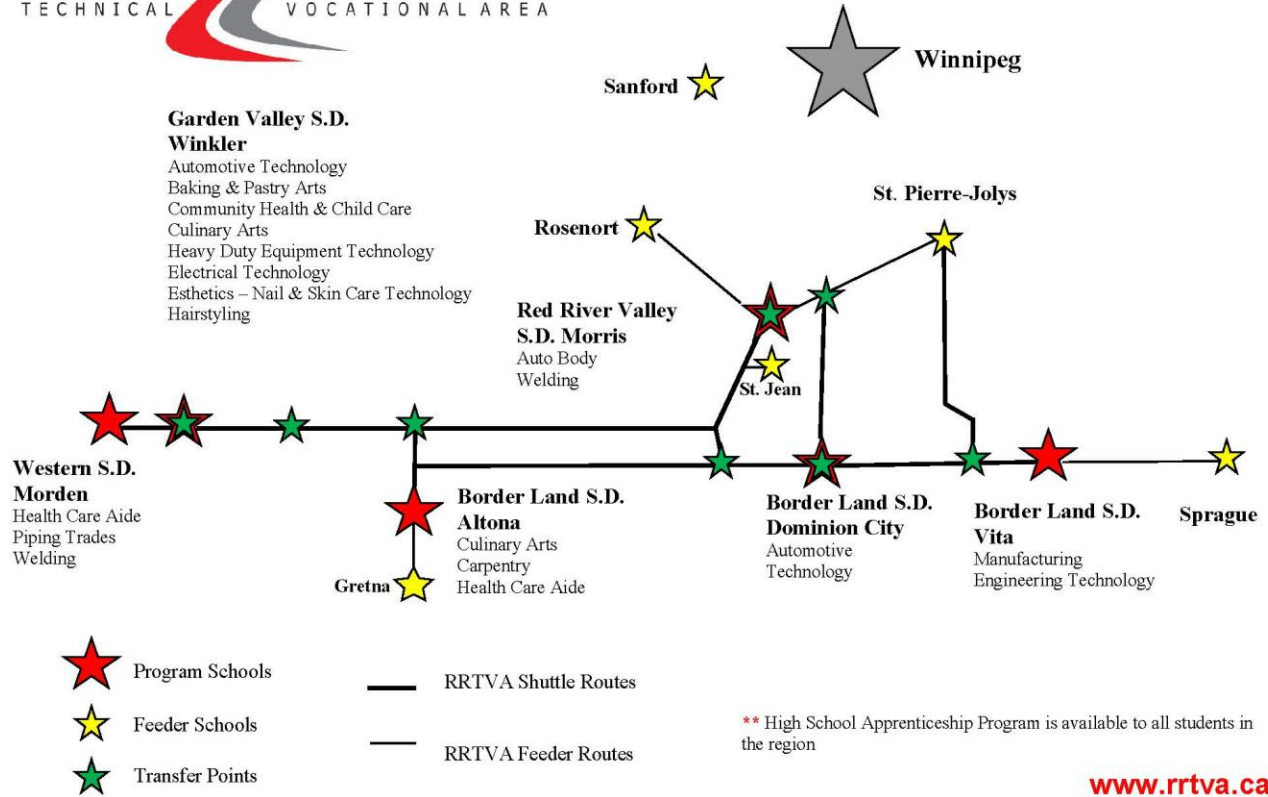
The HSAP provides practical, paid, work experience and the opportunity to:

- get hands-on experience using highly specialized, technological equipment
- earn up to 8 supplemental academic credits for graduation based on 110 working hours per credit (*up to 6 credits for Mature Diploma students)
- receive a wage that's more than minimum average
- apply your on-the-job training hours to continued, full-time apprenticeship training after graduation
- use the skills you learn for a career in management or to start your own business.

For more information about HSAP, refer to the Manitoba Apprenticeship website found at:

<https://www.gov.mb.ca/wd/apprenticeship/>

Red River Technical Vocational Area (RRTVA)



Full-Day Programs Offered Through Red River Technical Vocational Area (RRTVA)

The RRTVA is a consortium of regional high schools which have joined together to offer a wider variety of technology education programs than any one of them could offer on their own. It has become part of a strong tradition of working together to provide high quality technical education options to high school students of southern Manitoba.

Students typically take one semester of regular academic courses at their home school and one semester of technical training at the school that offers the program. Programs may take from one to three full semesters to complete.

Almost all trades related programs are accredited with Manitoba Apprenticeship. If a student achieves an accumulated average of 70% or higher in any accredited program, they may be granted the first level of technical training in the trade for which that program is accredited. They will still need to complete the Practical Training Time Credit for the first level which can be started through the High School Apprenticeship Program for high school credit as well.

Transportation to partner schools is provided and the classes are contained within the regular school day, students can be involved with extra-curricular activities in their home schools.

Auto Body Repair (Morris School, Morris)

The Auto Body program prepares students to work in auto body repair shops and to prepare and apply finishes to a wide variety of surfaces. With the increasing complexity in automotive design, construction and finishes, this has become a technically advanced area of study. Students learn to work with a variety of automotive components, materials and finishes. Skills learned in this program are also valuable in other areas of study such as engineering and manufacturing.

Students learn the basics of auto body repair and painting techniques through a variety of assignments and special projects. Classroom theory is combined with a great deal of hands-on practice and learning in the shop. After learning to use hand and power tools related to the trade, students practice the skills on sample vehicle panels. As their skills develop, students have the opportunity to work on live projects including collision repair and customization of personal or customer vehicles.

The Exploration of Welding Technology 10S credit will be delivered in one six week block at the Morris School Welding facility. The Introduction to Automotive Technology 10S credit will be delivered in one six week block at the Automotive Technology facility at Roseau Valley School in Dominion City.

Many students have found jobs with auto body repair shops and automobile dealerships. As well, on completion of the program employment opportunities may include:

Automotive Detailer	Auto Body Supplies person
Radiator Repair Technician	Insurance Estimator
Insurance Adjuster	Industrial Spray Painter
Glass and Trim Sales and Installer	

Courses
Introduction to Technology
9028 - Exploration of Collision Repair & Refinishing Technology 10S
8695 - Introduction to Automotive Technology 10S
8377 - Exploration of Welding Technology 10S
9174 - Exploration of Technical Vocational Education 10S
Level 2
9029 - Intro to Collision Repair & Refinishing Technology 20S
9030 - Fundamentals for Collision Repair & Refinishing Technology 30S
9035 - Surface Preparation & Refinishing 40S
9036 - Colour Theory & Career Preparation 40S
Level 3
9031 - Automotive Metals & Welding 30S
9032 - Corrosion Protection 30S
9033 - Damage Analysis & Structural Repairs 40S
9034 - Weld-on & Bolt-on Panel Replacement 40S

The Auto Body program is accredited with Manitoba Apprenticeship. If a student achieves an accumulated average of 70% or higher, they may be eligible for their first level of technical training in Automotive Painter or Motor Vehicle Body Repairer trade.

Automotive Technology (Roseau Valley School, Dominion City)

This program involves the maintenance and service of automobiles, heavy duty and agricultural equipment. Students learn about the service, maintenance and repair of mechanical systems through classroom instruction, along with practical experience in the shop. Students diagnose problems with motor vehicles and other equipment, and then perform the required service and repairs.

The student learns the proper use of trade related tools and equipment. Other related topics such as safety, mathematics, and science and trade technology are also covered. Students in Section 3 participate in an integral work placement component which allows them the opportunity to work with skilled technicians in a workplace setting, often results in local employment opportunities and improved future employment opportunities after graduation.

Many students have found employment with automobile and truck dealerships as well as companies servicing agricultural and construction equipment. This also includes a variety of mechanical, manufacturing and engineering occupations.

Employment opportunities may include:

Automotive Technician	Diesel Technician
Air Craft Technician	Transmission Technician
Fleet Services Technician	Hwy Tractor Operator
Service Writer/Advisor	Machinery Set-Up
Person Parts Clerk/Sales	Automotive Instructor
Farm Implement/Agriculture	Industrial Mill Wright

The Automotive Technology program is accredited with Manitoba Apprenticeship. If a student achieves an accumulated average of 70% or higher, they may be eligible for their first level of technical training in the Automotive Service Technician Trade. Practical training hours can be acquired through the High School Apprenticeship Program (HSAP) – a high school, evening/weekend/summer work practicum recognized Apprenticeship MB.

The Exploration of Welding Technology 10S and the Intro to Auto Body Repair 10S credit will be delivered in six week blocks at Morris School in Morris.

Automotive Technology courses include:

Courses
Introduction to Technology
9028 - Exploration of Collision Repair & Refinishing Technology 10S 8695 - Introduction to Automotive Technology 10S 8377 - Exploration of Welding Technology 10S 9174 - Exploration of Technical Vocational Education 10S
Level 2
8696 - Automotive Systems and Service 20S 8697 - Engine Fundamentals and Service 30S 8701 - Vehicle Systems Part 1 40S 8702 - Vehicle Systems Part 2 40S
Level 3
8698 - Chassis Fundamentals & Service 30S 8699 - Drivetrain Fundamentals & Service 30S 8700 - Automotive Electrical Systems 40S 8703 - Applied Diagnostic Strategies

Carpentry (W.C. Miller Collegiate, Altona)

The Carpentry program is replacing the Building Construction program.

The Carpentry program provides students with the opportunity to experience many aspects of the trade of carpentry. The first section is an opportunity to explore the trade. Students learn how to use the tools and equipment, learn about measurement and how to transfer information from a drawing to a project. As students progress through the program, they develop their skills and knowledge on more complex and challenging projects as they prepare to transition to the work place. Precision, craftsmanship, and safe work procedures are emphasized throughout the program.

Career and Employment Opportunities

A student graduating from the Carpentry program can seek entry level employment in the construction industry. There are employment opportunities in the residential, commercial, and industrial construction sectors. Students can continue with their apprenticeship training or obtain post-secondary education in a variety of areas related to construction.

The opportunities range from work as a labourer to professional occupations. The career paths are as follows:

- Labour – machine operator, general labourer, concrete finisher, etc.
- Trades – carpenters, electricians, plumbers, etc.
- Technical – surveyors, building inspectors, draftsman, etc.
- Professional – architect, engineer, etc.

If a student achieves an accumulated average of 70% or higher in the Carpentry program they may be eligible for an exemption of the “in-school” portion of the Level 1 Apprenticeship training at Red River College. Additional Practical training hours can be acquired through the High School Apprenticeship Program (HSAP) - a high school, evening/weekend/summer work practicum recognized Apprenticeship MB.

Courses
Level 1 – Starts in Grade 11
8585 - Carpentry Fundamentals 20S 9188 - Carpentry Tools and Equipment 30S 9188 - Framing 30S 9190 - Exterior Finishing 30S
Level 2
9191 - Surveying and Concrete 9192 - Advanced Framing 40S 9193 - Carpentry Millwork 40S 9194 - Applied Carpentry 40S

Community Health and Child Care (Northlands Parkway Collegiate, Winkler)

This program is designed to provide students with the necessary entry level care giving skills required to be a service provider or assistant in a daycare or school. Areas of study will focus on communication, personal presentation, observation and reporting human development and basic technical information specific to each area of study. These skills will be gained through academic activities and practicum experience. Students will have an opportunity to acquire certification in Red Cross Emergency First Aid. Students who have an interest in careers and future studies in Child Care, Nursing, Teaching, Social Work and other care-related careers will find this program very beneficial.

This is a cooperative technology program. Approximately one half of the student’s time will be spent in the classroom setting and the other half in a work placement (daycare, early years classroom).

Courses
Child Care Emphasis
8661 - Communication Skills 30S 8658 - Intro to School Age 30S 8743 - Health & Safety 30S 8739 - Pre-School Children 30S

Educational Assistant (Red River Community College, Winkler)

This program is suitable for students wanting employment as Educational Assistants in the public or private school systems. The Educational Assistant course is a dual credit program offered jointly by the schools in the RRTVA and Red River College.

As a pre-requisite, students should be in Grade 12. It would be preferred if students have completed the Community Health & Child Care Program, Child Care Focus. Students who have already graduated may apply directly for admission with no pre-requisite. All admissions will be done in consultation with Red River College. Students must meet Red River College admission requirements.

While this program is open to senior years students it should be noted that these courses are delivered at the college level by Red River College. At the time of printing, funding & transportation for this program is under review.

Courses
Program Includes
8666 - Applied Child Care 40S
8663 - Curriculum Planning 40S
8668 - H.S. Tech Initiative 40S
8667 - Advanced Applied Child Care 40S

Educational Assistant students must be registered at Rosenort School, and must ALSO complete a Red River College registration form and submit the RRC college registration fee to the Winkler college office. This should be done at the same time course registrations take place at Rosenort School.

Forms and more information for registration are available at: www.RRTVA.ca

Culinary Arts (W.C. Miller Collegiate, Altona)

Where can you learn how to cook your way to success? The W.C. Miller Collegiate Culinary Arts program in Altona. Learn in what is arguably the best equipped teaching kitchen in all of Manitoba. Large food preparation areas, industrial grade equipment and experienced professional staff allow you to learn the basics of the commercial food industry while completing a high school diploma. When you're done you'll be confident and prepared to join the hospitality industry; one of the fastest growing industries in Canada today.

The Culinary Arts program is a two level, eight credit program that teaches the basics of commercial cooking. Students will have the opportunity to learn the skills and attitudes necessary to find employment in entry-level positions in a variety of food service areas such as cafeterias, dining rooms, institutions, and restaurants.

You can also take our third level in Commercial Baking to learn more about a fascinating and delicious sub-trade in the culinary arts industry. No good meal is complete without dessert and neither is our program!

The Culinary Arts program is accredited by Manitoba Apprenticeship and lets you get your start on a Red Seal (your professional certificate) in the cook trade. If a student completes the first two parts of the Culinary Arts program and achieve an accumulated average of 70% or higher, they may be eligible for their first level of technical training in the Cook Trade. Additional Practical training hours can be acquired through the High School Apprenticeship Program (HSAP) -a high school, evening/weekend/summer work practicum recognized Apprenticeship MB.

Some time is spent each day studying theory through assignments, tests, and instructional packages. The majority of the day is spent in the kitchen applying this theory and preparing food for service. This is the only program where you have an exam every day - Lunch! The Culinary Arts program serves a spacious 300 seat cafeteria at Miller Collegiate and you get to see the success of your efforts each day.

Culinary Arts courses include:

Courses
Level 1
8791 - Cooking Principles 20S 8792 - Garde Manger 30S 8793 - Patisserie and Baking 30S 8795 - Stocks, Soups & Sauces 40S
Level 2
8794 - Veg, Fungi, Starches & Farinaceous Products 30S 8796 - Breakfast and Dairy 40S 8797 - Menu Planning and Food Costing 40S 8798 - Meats, Poultry, Fish & Seafood 40S
Level 3
8324 - Intro Baking & Pastry Arts 20S 8338 - Quick Breads, Cookies, Doughnuts, Pies 30S 8339 - Yeast Dough Products 30S 8998 - Advanced Baking & Pastries 40S

Electrical Technology (Northlands Parkway Collegiate, Winkler)

The Electrical Technology program provides students with the knowledge and skills necessary to install, operate, trouble shoot, service and repair electrical equipment in residential, commercial and industrial settings.

In the Electrical Technology program the students:

- Perform actual wiring in a series of projects, from simple circuits to more complex circuits.
- Cover current, voltage, resistance, switch currents, Ohm's Law, series and parallel circuits and electronic measurement.
- Research and become familiar on how to locate and interpret the Canadian Electrical Code book.
- Understand different types of AC Circuits including AC test equipment, inductive, capacitive and transformers.
- Be introduced to basic industrial wiring including fire alarm systems, conduit bending, armoured cable applications, motor controllers, blueprint reading and the Canadian Electrical Code.
- Read and interpret blueprints, drawings and code specifications for layout and installation of electrical equipment.
- Learn safe working procedures, conditions & injury prevention.
- Receive training in human relations, customer service, organization skills running a small business and apprenticeship applications.
- Install, repair and replace electrical wiring, receptacles, switch boxes, conduits, feeders, cable assemblies, lighting fixtures and other electrical components.
- Test electrical and electronic equipment for continuity, current voltage and resistance
- Troubleshoot, maintain and repair electrical and electronic control systems and devices as well as micro processor-based systems.
- Calibrate instrumentation devices.

Courses
Level 1
9055 - Introduction to Electrical Trades Technology 9056 - Electrical Trades DC Fundamentals 9057 - Residential Wiring 30S 9059 - Advanced Residential Wiring 40S
Level 2
9058 - Electrical Wiring Methods 30S 9060 - Electrical Trades AC Fundamentals 40S 9061 - Advanced Electrical Wiring Methods 40S 9062 - Applied Electrical Trades Technology

The Electrical Technology program is aligned with Manitoba Apprenticeship level 1 training, which offers a student who has completed this program with an accumulated average of 70% or higher eligibility for their Level 1 Apprenticeship training in the 3 Electrical Trades: (1) Construction Electrician, (2) Industrial Electrician, (3) Power Electrician.

Esthetics- Nail Technology & Skin Care Technology (Northlands Parkway Collegiate, Winkler)

The Esthetics program will provide the students with the knowledge and skills necessary for all aspects of nail and skin care including manicures, pedicures, nail extensions, nail art and treatments, skin care and treatments, make-up artistry and hair removal. The program will provide the students with theory and practical training on mannequins and real clients in a new well-equipped salon facility.

PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS:

All students entered in this program are required to wear the following Personal Protective Equipment while working in both the classroom and the salon: Black dress pants, closed-toe shoes with rubber sole (no slipper/moccasin, or UGG type shoes), other required equipment will be provided by the department. Please refer to the instructor of the course for further details.

ENTRANCE REQUIREMENTS:

A student interested in enrolling in the esthetics major should be in good health and have good physical stamina. This industry is not only mentally, but physically challenging. Long hours will be spent sitting, standing, bending, reaching and repeating the same motions. If a student has a bad back or weak knees this course is not recommended. Students must have good vision and hearing (normal or corrected); be non-allergic to chemical solutions; be able to read directions; be friendly and congenial with customers and fellow students.

There are two combined trades in this program:

In the Section 1 Nail Technology (4 credits) courses the students will:

- Basic of Chemistry, Anatomy, Physiology and Infection Control
- Perform manicures and pedicures on fellow students and clients
- File and shape nails, remove cuticle and callus, massage
- Removes and applies nail enamel/semi-permanent polish to nails
- Perform manicure and pedicure treatments-paraffin, hot stone and spa
- Applies artificial nail enhancements-gel, acrylic and fiberglass temporary nail tips
- Decorate clients' nails with designs and attach ornaments to nails
- Prepare for provincial practical exam

Students who take this program and earn an average of 70% or higher with the required hours are recognized by Manitoba Apprenticeship as having completed their Technical Training for the Nail Technician Trade. Practical training hours can be acquired

through the High School Apprenticeship Program (HSAP) - a high school, evening/weekend/summer work practicum recognized Apprenticeship MB.

Students completing the required Section 1 are eligible to enroll in the Skin Care Technology program for an additional 2 Sections.

In the **Section 2 & 3 Skin Care Technology (8 credits)** courses the students will:

- Basics of Anatomy, Physiology, Dermatology, Histology, and Infection control
- Assess each client's skin condition and appearance to recognize diseases and disorders
- Demonstrate proper cleansing, exfoliation, and perform extractions for facial treatments and product knowledge
- Provide cosmetic massages and body treatments
- Correct skin problems using facial machines-high frequency, steamer, galvanic and more
- Perform day-time, evening, bridal and dramatic make-up and advise client
- Remove unwanted hair using depilatory methods

Students who successfully complete all three levels of this program and earn an average of 70% or higher with the required hours are recognized by Manitoba Apprenticeship as having completed their Technical Training for the Esthetics Trade. Practical training hours can be acquired through the High School Apprenticeship Program (HSAP) - a high school, evening/weekend/summer work practicum recognized Apprenticeship MB.

Hairstyling (Northlands Parkway Collegiate, Winkler)

Students in this program receive theoretical knowledge and practical experience in all phases of hair, face and nail care. A student should have creative ability, good finger dexterity, a pleasing personality, and must enjoy working with people. Good health is essential and a student should not have any chemical allergies. Students interested in this program should have the physical stamina required to stand for long periods.

Students learn the many customer service aspects of hairstyling, scalp, nail, and skin care. They are trained in treatments for hygienic or remedial purposes as well as beauty services such as manicures, hair removal and make-up applications.

Students learn through classroom theory instruction, work on mannequins as well as working with models. Evaluation for each unit will consist of assessing written assignments, theoretical knowledge, and practical performance and life skills.

Upon completion of the 1400 hour accredited hairstylist program and a 70% course average, the student will qualify for the Hairstylist apprenticeship program. This will allow them to be employed in a salon and work towards their interprovincial "Red Seal" certification.

Courses
Level 1
8312 Intro to Hairstyling 20S
8313 Basic Hairstyling 20S
8314 Basic Hair Cut and Thermal Styling 20S
8315 Related Salon Services 20S
Level 2
8316 Intermediate Haircutting & Barbering Techniques
8317 Hair Colouring
8318 Intermediate Hairstyling & Artificial Hair
8319 Chemical Texture Services
Level 3
8320 Advanced Hairstyling & Colouring 40S
8321 Advanced Haircutting & Chemical Texturizing 40S
8322 Salon Operation 40S
8323 Certificate Preparation 40S

Health Care Aide (Altona)

Health Care Aide is offered jointly by schools in the RRTVA and Red River College, Winkler Campus. This college accredited program is offered at no cost for tuition or books to eligible high school students. High School Graduates may receive a subsidy for a portion of the Health Care Aide program tuition costs. This program will prepare students for entry level jobs in the health care field such as nursing aides in hospitals and care homes, as well as home care workers.

Health Care Aide students are enrolled in a sponsoring RRTVA school as well as at Red River College (RRC). The credits earned in this program are registered at both their home high school as well as at RRC. Upon successful completion of the program, students will receive five Grade 12 credits as well as the RRC Health Care Aide certificate which is recognized in the health care field across Manitoba.

While this program is open to Grade 12 students, it should be noted that the courses are delivered at a college level by RRC and the requirements are those of a college classroom. While a high school credit may be granted if the student achieves a grade of 50% or better, the college requires a minimum of 70% to be eligible for their certificate. The college reserves the right to change its requirements as they see fit.

As a pre-requisite, under-graduate students must be in Grade 12. It would be preferred if students have completed the Community Health and Child Care program, Child Care Focus. Students who have already graduated may apply directly for admission with no pre-requisite.

All admissions will be done in consultation with Red River College and all applicants will be required to successfully complete a Degrees of Reading Proficiency Test (DRP) through the college.

Students may use these credits towards a Manitoba Senior Years Technology diploma. Check with your home school counsellor for details.

Health Care Aide course include:

Courses
Program Includes
8804 - Safety in Health Care 40S
8803 - Human Relations 40S
8808 - Aging and Related Disorders 40S
8811 - Concepts for Practice 40S
8812 - Personal Care Skills and Needs 40S

Health Care Aide students must be registered at Rosenort School, and must ALSO complete a Red River College registration form and submit the RRC college registration fee to the Winkler college office. This should be done at the same time course registrations take place at Rosenort School.

Forms and more information for registration are available at: RRTVA.CA

Heavy Duty Equipment Technology (GVC TEC, Winkler)

The Heavy Duty Equipment Technology program is replacing the Diesel Technology program.

This program involves the development of many technical hands-on skills that are needed for a technician to be successful in the ever changing field of Heavy Duty Equipment Technology. This training will create vital job opportunities for each student's future.

Training will include items such as: forklift licensing, safety training, welding, operation of heavy equipment, rebuilding engines, transmissions, hydraulic pumps, fuel injectors, fuel pumps, and computer diagnostics.

Students will explore the important role that the diesel industry plays in our economy, and will begin to develop knowledge and skills specific to Heavy Duty Equipment Technology. The Heavy Duty Equipment Technology program will offer career education in a field that is growing rapidly and deemed vital in both the agricultural, transportation, and construction sectors.

This program is aligned with Manitoba Apprenticeship training, offering students with an accumulated average of 70% or higher, their first level of technical training in 3 Heavy Duty Equipment Technician trades: (1) Farm Equipment Technician, (2) Heavy Duty Technician, (3) Truck Transport Technician.

Heavy Duty Equipment Technology Courses include:

Courses
Level 1
8673 - Introduction to Heavy Duty Equipment Technology 20S
8674 - Diesel Engines Fundamentals and Service 30S
8675 - Chassis, Frame and Undercarriage System 30S
8676 - Welding Processes and Fuels 30S
Level 2
8677 - Standard Transmissions, Drivelines, Transfer Cases and Power Take Offs 40S
8678 - Tires, Wheels and Brake Assemblies 40S
8679 - Electrical Fundamentals, Computers, and Diagnostic Equipment 40S
8704 - Applied Heavy Duty Equipment Technology 40S

High School Apprenticeship Program

Pre-requisite: Students must be 16 years old, and have completed Grade 9

This program allows students to start an apprenticeship program while still in high school. It links high school instruction with paid, part-time, on-the-job apprenticeship training. Students need a qualified and insured employer who will hire them and train them as an apprentice. The HSAP Coordinator at the Apprenticeship Branch will work with the school, student, employer and the program coordinator to facilitate the apprenticeship. Students will earn one credit for every 110 hours of apprenticeship training, to a maximum of eight credits. Students will be paid a trade-specific rate and may apply their on-the-job hours to full-time apprenticeship training after graduation. Working hours can be scheduled to include evenings, weekends and summer break. The HSAP is an excellent way for student to increase their 1) personal employability skills, 2) work-world essential skills, 3) technical trade knowledge, and 4) technical trade skills. For more information, talk to your school guidance counsellor or contact the High School Apprenticeship Instructor, Andy Reimer at 204-319-0711 or reimera@blsd.ca.

Benefits of the HSAP

- Earn up to eight supplemental academic credits for graduation
- Be paid more than minimum wage
- Credits received may pay for postsecondary training
- Use this work experience to get a full-time job
- Apply your on-the-job hours to full-time apprenticeship training after graduation



Eligible Trades

You have access to career opportunities in almost 60 trades. For a more complete listing of eligible trades refer to Manitoba Trades: https://www.gov.mb.ca/wd/apprenticeship/pdfpubs/pubs/general/promotional/ticket_to_future.pdf

ITT- Introduction to Trades and Technology (Morris & Roseau Valley School)

Introduction to Trades Technology (ITT) is a single semester which introduces students to basic mechanical skills used in many industries today. The Automotive Technology, Welding and Auto Body Repair shops are used to familiarize students with the tools and processes of three interrelated trades. Students can also use this semester to help them decide on which of the three programs they would like to specialize.

In the ITT semester, the student spends one-third of the time in each of the three shops mentioned above. The student spends approximately six weeks studying the introductory skills of each of the three trades. The skill learned in any one of the shops may then be applied in the other two shops to increase the students level of proficiency in the trade.

Students planning on entering any one of the trades full time will have exposure to related trades and processes as well as some of the vocabulary and tools they use.

The three credits listed below form an integral part of the program. A fourth credit, Introduction to Heavy Industrial Technology will be granted upon successful completion of the three credits. Students taking the ITT program will receive preferred entry into the second and third levels of the related program in which they choose to specialize.

The ITT courses include:

Courses
Program Includes
8377 - Exploration of Welding Technology 10S
8695 - Introduction to Automotive Technology 10S
9028 - Exploration of Collision Repair & Refinishing Technology 10S
9174 - Exploration of Technical Vocational Education 10S

Welding (Morris School, Morris)

The Welding program provides students with the background, skills and knowledge required for careers in the welding workforce. Students completing this course may be ready to enter the workforce as production welders or enter into an apprenticeship agreement with an employer.

This program involves the joining and cutting of various metals using equipment of the trade. There are numerous welding processes, depending on the type of equipment and techniques used. Students are exposed to MIG, TIG and Arc welding as well as gas welding. In addition they are exposed to other types of metal working equipment such as presses, ironworkers, pipe bending equipment and plasma cutters using portable manual and fixed CNC equipment.

Students learn by doing. By studying the theory and then doing the related practical projects, students can achieve a high skill level. Once students have mastered the skills of a particular process they will reinforce this learning by designing and building projects which might include utility or custom-made trailers, ornamental railings and ironwork, gym equipment, and projects brought in from the community. Students are required to study related subjects such as safety, math, blueprint reading, and metallurgy to complement their practical work.

Completion of training in this program will improve student's chances of locating employment as an apprentice in the welding field. Students who have completed this program with an accumulated average of 70% or higher may be eligible for their first level of Apprenticeship training in the Welding trade. Additional practical training hours can be acquired through the High School Apprenticeship Program (HSAP) - a high school, evening/weekend/summer work practicum recognized Apprenticeship MB.

The program will also assist in developing entry level skills for workers in a wide range of employment opportunities such as:

Construction Welders	Maintenance Welders
Specialty TIG Welders	Production Line Welders
Welding Inspectors	Welding Supplies Salesperson

Related professions such as: Drafting, Engineering and Architecture

Welding Technology courses include:

Courses
Level 1
9028 - Exploration of Collision Repair & Refinishing Technology 10S 9174 - Intro. to Heavy Industrial Technology 10S 8377 - Exploration of Welding Technology 10S 8695 - Introduction to Automotive Technology 10S
Level 2
8378 - Introduction to Welding Technology 20S 8414 - Metal Design/ Fabrication and Oxy-Acetylene Procedures 30S 8474 - Basic GMAW (MIG) Procedures 30S 8487 - Advanced GMAW (MIG) Procedures 40S
Level 3
8486 - Basic SMAW (ARC) Procedures 30S 8488 - Advanced SMAW (ARC) Procedures 40S 8489 - Advanced Metal Design/Fabrication 40S 8503 - Applied Specialties & Qualifications 40S