



**R.B. Russell
Vocational High School**

**Respect
Belonging
Responsibility**



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Media: ink illustration and layout: R.B. Russell / Graphic Design

Student Handbook



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Mission & Priorities:

Mission Statement

R.B. Russell Vocational High School facilitates an inclusive learning environment that is engaging, relevant, and safe.

Priorities

Promote respect, belonging, and responsibility.

Develop the learning potential of each student.

Prepare students for employment or further education.

Welcome to R.B. Russell Vocational High School



Introduction

R. B. Russell Vocational High School (Grades 9-12) offers a range of Programs and courses that allow students to explore many interests and graduate with two diplomas (Technical Vocational and Manitoba High school academic diploma). Our priority is to provide a learning Environment where students can thrive and reach their potential.

R.B. Russell prepares students to begin a career in trades, continue trades education or pursue university or college education when they graduate.

The school's mantra is RESPECT, BELONGING, AND RESPONSIBILITY

R.B. Russell Vocational High School offers 9 vocational programs with 6 providing the opportunity to work towards level 1 apprenticeship standing.

- **9 Vocational Programs**
 - Carpentry
 - Child Care Assistant
 - Culinary Arts
 - Electrical
 - Graphic Design
 - Hairstyling
 - Health Care Aide
 - Horticulture
 - Welding Technology
- **6 Level One Apprenticeship Standing**
 - Carpentry
 - Culinary Arts
 - Electrical
 - Hairstyling
 - Horticulture
 - Welding
- Sr. Years Technology High School Diploma
- Full Academic programming including a wide variety of optional courses
- Pre-Industry Training Programs
- Active Parent Community Council
- Career Development
- Morningstar Network of Student Support
- Cultural Programming



STUDENT SUPPORT SERVICES

EAGLES NEST

Eagles Nest is a friendly common space for students to feel a sense of belonging, to gather during class breaks and connect with each other and support staff. The support staff consists of MorningStar Staff, a Community Support Worker and our Winnipeg School Division Knowledge Keeper. It is a great place to sit and have a nice cup of tea.

LODGE ROOM

The Lodge is used for Pipe Ceremonies, Indigenous Teachings, Language Classes, and Ribbon Skit/Shirt making. The intent of The Lodge is to help with the healing process by learning about Where We Come From, Our Purpose in Life, Where We Belong, and Our Gifts we carry.

SWEAT LODGE

This Sweat Lodge was built in August 2024 and is located in the courtyard of R. B. Russell. The Sweat Lodge is rebuilt every four years. The Sweat Lodge is run by three Pipe Carriers and Knowledge Keepers and is used weekly by students in the Winnipeg School Division to promote the healing process.

MOUNT CARMEL CLINIC

Do you have any health-related questions or concerns? Mount Carmel Clinic provides in-school health care services every Tuesday from 12:00 P.M. to 4:00 P.M.

Drop by Room 202 and the staff will be happy to see you!



MANIDOO GI-MIINI GONAAN R.B. RUSSELL INFANT CENTRE A Unique Daycare

Quality Care for Your Child While You Complete Your Education

- We accept infants from 3 months to 2 years of age
- 16 subsidized spaces available and registration occurs throughout the year (\$2.00 per day)
- Certified, trained Early Childhood Educators (1 staff per 4 infants)
- Nutrition program for parents and babies (no charge)
- Parenting programs available
- Transportation available in winter months
- Hours of operation are 8:30 A.M. to 3:30 P.M.

Day Care Phone: 204-415-7200

STUDENT SUPPORT SERVICES



MORNINGSTAR - STUDENT SUPPORT

Morningstar is an innovative network of student and family support systems based in R.B. Russell Vocational High School. This network will work with students, staff and community agencies with the goal of promoting health, wellness and successful graduation from R.B. Russell. The network of support includes a teacher, Skaaabe and Psychologist who work collaboratively to provide resources and support to students and families.

OUR VISION

Empowering students to succeed and graduate with a bright future.

OUR MISSION

To be a collaborative network of support that inspires students' commitment in school and beyond. The partnering of services will strengthen outcomes for students and their families and continue to build upon this support for students in the future. We work as a team to provide a pathway to success for our students.

OUR VALUES

The Seven Sacred Teachings will guide us and be reflected in everything the Morningstar partners and staff do. We listen to your words with love and respect, honour your truth and your courage, and provide our support with wisdom, honesty and humility.



STUDENT SUPPORT SERVICES

LIBRARY/TUTORING CENTER

The Library/Tutoring Center encourages and supports students on their journey to complete their high school education. We believe that every student has the potential to be successful. We encourage students to dream for their future and dare to make it happen. The supportive and knowledgeable staff is here to help students with assignments when they are struggling and may need help to be successful. Students are able to access the center throughout the school day to get personal tutoring help from the Teacher Tutor and Educational Assistants assigned to the center.

GUIDANCE AND COUNSELLING

The Guidance and Counselling department includes professionally trained counsellors assigned to specific program areas. Students are encouraged to meet with their counsellor throughout the year. Students can confidentially discuss and receive support for academic and personal issues that may influence school success. Additional supports include Mount Carmel Teen Clinic on Tuesday afternoons, and other community resources.

Together, we are here to help you achieve your vision of academic and personal success.

RESOURCE

The Resource program operates within the Student Support Services model, helping schools to meet the requirements of the Public Schools Amendment Act and Standards for Appropriate Educational Programming in Manitoba.

The resource teacher is a member of the school-based Student Support Team that actively problem solves and supports classroom teachers.

They are essential in providing direct and consultative services so the needs of all learners can be better met in the classroom.

At R.B. Russell Vocational High School, the emphasis of the resource program is to provide proactive and inclusive support to both the academic and vocational staff and their students in order to provide a learning environment that is accessible to all.

CAREER EDUCATION

The Career Education program at R. B. Russell provides resources to help students with the transition between school and work and assists students in developing skills required for success in the workplace.

We offer assistance with the job search process, practicum placements and information about post-secondary opportunities. We also help students gain useful experience through volunteer and extra-curricular activities. Our goal is to help students in preparing for the workplace through the following outcomes and strategies:

Personal Management: Students will build and maintain positive self-image

Explore your interests, skills and values, learning more about the abilities you bring to working with others.

Career Exploration: Students will learn the skills needed to research career options

In your vocational program, you will hear about different career options from your instructor and guest speakers.

Learning and Planning: Students will learn about and make plans for the future

Meet with a Counsellor or the Career Intern to explore post-secondary, apprenticeship, and work options.

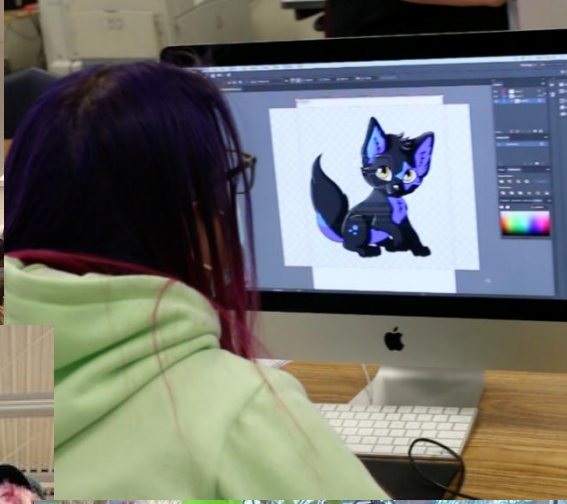
Job Seeking and Job Maintenance: Students will develop skills needed to find success in the workplace

Create a resume and cover letter, learn job search techniques and compile important documents in a portfolio using myBlueprint. myBlueprint is a career tool used for future planning and goal setting. The website offers resources on careers, post-secondary options and self-reflection through personalized surveys and occupation compatibility results.

Career and community Experiences: Students will gain exposure to workplace expectations

- Participate in various training certifications, such the Young Worker Readiness, WHMIS, First Aid/CPR, Food Handlers, and others
- Grade 9/10 Volunteering
- Grade 11/12 Volunteering, Work Experience Placements, Internships, High School apprenticeship Program pl

Vocational Programs



Vocational Programs

Carpentry



Program Description

The Carpentry Program provides students with the opportunity to develop the basic skills required for employment or post-secondary education in the building construction trade. Students will be instructed in the use of a wide variety of techniques associated with the major areas of the building construction industry in Carpentry, Woodworking, Concrete and Drywall. The Carpentry Program emphasizes ongoing safety practices in the proper use and safe operations of tools and equipment used in the industry.

Post-grad industry training option for high school graduates

A one-year, post-grad option is also available for adult students who are interested in finding employment in the building construction field. Upon successful completion of the program, with an average of 70% in all course's student gain hours towards their Level One Apprenticeship Standing.

Career Opportunities

- Building Contractors
- Cabinet/Furniture Manufacturers
- Concrete Contractors
- Interior/Exterior Finishing contractors
- Renovators
- Stair/Truss Manufacturers
- Window/Door Manufacturers
- Lumber and Material Suppliers
- Teaching
- Tool Suppliers

Courses

Industry standard safety training for construction sites and woodshop safety including but not limited to WHMIS, PPE, ladders, scaffolding, and fall arrest procedures, are built into all practical projects the students participate in across all grade levels.

Grade 9

The grade nine course focuses on an introduction to Heavy Industry Technology and the Building Construction trade. Students will demonstrate the safe use of hand tools, portable power tools and stationary woodworking machines.

.5 Credit

Grade 10

The Grade 10 course focuses on the introduction to the Building Construction trade. Students will demonstrate the safe use and maintenance of hand tools and portable power tools to construct a variety of related projects. An introduction to stationary power tools will allow students to construct more complex projects. Trade related mathematics principles involving the addition and subtraction of fractions and whole numbers, identification of metric measurements and the conversion to imperial units of measurement are also covered.

1 Credit

Grade 11

The Grade 11 course introduces the student to what it is like to work in the construction trade as a carpenter. The students will be led through the basics of residential wood frame construction and concrete form work.

3 Credits

Grade 12

The Grade 12 course prepares the student for the construction trade at an entry level job or apprentice in carpentry. The student is expected to take the lead in basic residential wood frame construction, interior/exterior finishing and concrete form work.

4 Credits

Vocational Programs

Child Care Assistant



Program Description

The Child Care Assistant Program is designed for students who have an interest in the field of childcare and would like to work with children from 12 weeks to 12 years of age. The program content varies depending on the grade level the student is enrolled in. Overall, the academic course work and hands on activities focus on working with children in infant, pre-school, and school-age programs. Students are being prepared to work in the childcare field as professional CCA's. The Child Care Assistant Certificate issued to grade 12 students upon graduation is recognized by the Manitoba Child Care Program as equivalent to the 40-hour course required of all new CCA staff in a childcare facility.

Post-grad industry training option for high school graduates

A 5-month post-grad option is also available for adult students who are interested in finding employment in the Early Child Care field. Upon successful completion of the program, the student will demonstrate a variety of employability skills in order to obtain an entry-level position.

Career Opportunities

- Child Care Assistant in Licensed Centers
- Nursery Programs
- Family/Home Centers
- Kindergarten Programs
- Head Start Programs
- Community/Recreation Support Staff
- Educational Assistant
-

***Grade 11 and Grade 12 students are required to complete and obtain clear Criminal Record Check and a Child Abuse Registry Check.**

Courses

Grade 9

The course includes an overview of pre-natal growth and post-natal development from birth to 12 months of age. Students will learn about the care required and financial demands of a newborn. The program covers teen pregnancy, options for adolescent parents and challenges of being a teen parent. Hands on activities are ongoing.

.5 Credit

Grade 10

The course focuses on infant & toddler development, basic care and positive interactions. The emphasis is on the development of children ages 12 months to 2 years of age. Students will learn about milestones and the care required for this age group. Students participate in individual literacy projects.

1 Credit

Grade 11*

Students will obtain an overview of the types of childcare facilities in Manitoba. They learn about theorists, childhood stresses, temperaments and resiliency as well as workplace skills. Students gain an understanding of children with diverse abilities and their unique needs. Students participate in an elementary school and infant practicum.

4 Credits

Grade 12*

Students learn about child development of pre-school children. They study guidance and behaviour management practices, how to develop safe and healthy environments, importance of play, common childhood illnesses and communicable diseases, and about partnerships with parents. Students participate in a work practicum placement at a pre-school centre. Individual and group projects will enhance students' knowledge and skills.

4 Credits

Vocational Programs

Culinary Arts



Program Description

The Culinary Arts Program will introduce students to the principles of professional cooking and provide students with the practical training and necessary skills to enter the workforce in the food service industry. Students in the Culinary Arts Program will have the

opportunity to take a hands-on approach to learning by developing their skills with modern equipment in a licensed and inspected working kitchen. R.B. Russell Vocational High School Culinary Arts Program is a fully accredited program with the Province of Manitoba Apprenticeship Branch. Students who successfully complete the program with an average of 70% and register with the Apprenticeship Branch will receive their Level One training hours towards the Apprenticeship Cook Program. Grade 11 and Grade 12 students spend a portion of their day on theory, and the rest of the day in the kitchen preparing food for the cafeteria lunch service. They are also given the opportunity to prepare foods for in-house catering and special functions.

Post-grad industry training option for high school graduates

Upon successful completion of the program, with an average of 70% in all course's student gain hours towards their Level One Apprenticeship Standing.

Career Opportunities

- Restaurants
- Hotels
- Hospitals
- Cafeterias
- Catering Companies
- Private Clubs
- Bakeries
- Cruise Ships
- Nursing Homes

Courses

Grade 9

The Grade 9 course is designed as an introduction to commercial cooking principles. During this course students will learn and demonstrate appropriate personal hygiene, sanitation, safety, knife skills, operation of kitchen tools and equipment, basic cooking methods, cooking principles, and production methods.

.5 Credit

Grade 10

The Grade 10 course will focus on basic cooking procedures, cooking terminology, nutrition, principles of WHMIS and Workplace Health and Safety procedures and regulations. The course will concentrate on pre-preparation and presentation of different types of foods, Garde Manger, various baking, decorating techniques, and styles.

1 Credit

Grade 11

The Grade 11 course will move on to Garde Manger, where students will gain an understanding of ingredients, recipes, and menus. Students will learn basic baking skills and focus on Patisserie. An understanding of vegetables, fungi, starches, and farinaceous products will also be covered.

3 Credits

Grade 12

The Grade 12 course is centered on advanced cooking and baking skills. Focus will be on stocks, soups, sauces, poultry, fish, and seafood. Students will be expected to read, interpret and communicate recipes, menus and labels. Students will apply cross-curricular knowledge and skills as they apply to Culinary Arts. Students will be expected to prepare food with an emphasis on attractive presentation skills. All students will be required to complete a work experience.

4 Credits

Vocational Programs

Graphic Design



Program Description

The Graphic Design Program is designed for students who have some artistic talent, enjoy working with computers and other new media technologies, and would like to explore a career in Graphic Design or related fields. Design skills are developed through course work in graphic design theory and practical application. Graphic Design students are exposed to many aspects of visual communication such as print and digital design/layout, digital image editing and manipulation, illustration, and typography. Students learn to use industry standard software applications such as Photoshop, Illustrator, and Indesign.

Post-grad industry training option for high school graduates

Career Opportunities

- Advertising Agencies/Graphic Design Studios
- Magazine and Newspaper Publications
- Motion Graphic Designers
- Printing Companies
- Illustrator
- Freelance Graphic Designer
- Corporate Art Departments

Courses

Grade 9

The Grade 9 course is designed as an introduction to the field of Graphic Design, providing students with the basic concepts and principles of design, and computer hardware and software skills through a variety of graphic design projects.

.5 Credit

Grade 10

The Grade 10 course builds on the skills learned in Grade 9, focusing on computer generated illustration, image compositing, typography, and drawing. Project-based assignments may include magazines, logos, posters, character design, t-shirts, and package design.

1 Credit

Grade 11

The grade 11 courses focus on traditional drawing skills, layout and composition, design trends, typography, image editing, and interactive design. Project-based assignments may include magazines, logos, posters, character design, t-shirts, and package design.

3 Credits

Grade 12

The grade 12 courses focus on advanced illustration techniques, layout and composition.

4 Credits

Vocational Programs

Hairstyling



Program Description

The Hairstyling Program is designed for students who enjoy meeting and talking with people and working creatively with their hands. Hairstyling is an art often associated with the world of fashion. A successful career in Hairstyling requires a creative flair, an artistic imagination, good finger dexterity, a pleasant personality, strong customer service skills, and the ability to stand for extended periods of time. The Hairstyling Program is a 1400-hour accredited program which meets apprenticeship

training standards. Students must attain a 70% accumulated average in both the theory and practical components. Once all the portions of the course are completed, the student may challenge the government exam.

Post-grad industry training option for high school graduates

The 20-month (2 year) 1400-hour accredited hairstyling (Adult) program is delivered in a high school format. The 12 credit courses are administered in the salon environment, adheres to the in-services and observes the structure of the Winnipeg School Division practices. During the program you will be prepared for employment as an apprentice for the Hairstyling industry or other career options.

Career Opportunities

- Salon Hairstylist
- Colour Technician
- Salon Receptionist
- Hairstyling Apprentice
- Manufacturer's Representative
- Salon Owner

Courses

Grade 9

Exploration of Hairstyling: Students will explore the Hairstyling, Esthetics and Fashion industry.

.5 Credit

Grade 10 - Beginner Level

Introduction to Hairstyling: Orientation with trade tools and learn basic fundamentals.

Basic Hairstyling: Learning the principles of Hair-styling through wet setting and formal up do's.

Basic Haircutting & Thermal Styling: Students will gain knowledge of four basic haircutting techniques. **Basic Salon Services:** Working on clients and exploring the components of the curriculum in manicuring, and make-up.

4 Credits

Grade 11 - Intermediate Level

Intermediate Haircutting and Barbering Techniques: Introduction to clipper cutting, razor, taper and design lines.

Hair Colouring: Students will learn the theory and practical aspects of colouring.

Intermediate Hairstyling and Artificial Hair: Explore materials and demonstrate skills regarding wigs, hairpieces, and hair extensions.

Chemical Texture Service: Students will work on wrapping patterns, chemical texture waves, chemical hair straightening and relaxing techniques.

4 Credits

Grade 12 - Advanced Level

Advanced Hair Colouring: Continue demonstrating skills in thermal styling, wet setting, braiding, UPDO's, hair colouring, highlighting, and special effects.

Advanced Haircutting and Chemical Texture Service: Students will learn new trends and take a closer look at industry.

Salon Operations and Client Services: Learning fundamental practices, safety (WHMIS), and business operations of the salon environment.

Certification Preparation: This course provides student with skill preparation for the Government Provincial theory and Practical exam.

Vocational Programs

Horticulture



Program Description

The Horticulture Program provides students with the basic foundation in the growing and popular field of Horticulture. The theory and practical components of the program concentrate on greenhouse maintenance, plant propagation and production, botany, landscape construction and design, integrated pest management, small engines, masonry, floristry and arboriculture. Aboriginal medicinal plants and environmental issues are also addressed. Horticulture students will have the opportunity to develop a working knowledge of the industry and to practice their skills in our greenhouses, on the school grounds, in various work sites and with school mentorships in the community. Upon successful completion of the program, students will have the necessary skills for entry level positions in the Horticulture and Landscape fields in addition to equipping them with the skills and knowledge to be environmentally conscious individuals making choices for a more sustainable future.

Post secondary opportunities available

Upon successful completion of the program, with an average of 70% in all course's student gain hours towards their Level One Apprenticeship Standing.

Career Opportunities

- Greenhouse Technician
- Landscape Technician
- Florist
- Arborist (Tree Specialist)
- Interior Plantscaping
- Garden Centre and Retail Nursery
- Forestry and Parks Technician
- Environmentalist
- Horticulture Therapist
- Organic Gardeners and Farmers
- Permaculturist

Courses

Grade 9

This course is an introduction to the field of Horticulture, providing students with basic concepts and principles of botany, landscape design, sustainability issues and an introduction to employability in the horticulture industry.

.5 Credit

Grade 10

The course concentrates on botany, greenhouse construction and design, and introduction to principles of landscaping, basic masonry and hydroponic and aquaponic systems. Floral design, and sustainability issues will also be explored. This is a full year credit with the second semester of the credit focusing on the practical implementation of the theoretical skills in horticulture.

1 Credit

Grade 11

This course focuses on theory and practical skills of soil, pest management, hydroponics, greenhouse and outdoor plant identification, floristry, medicinal plants, horticultural therapy, and organic gardening. Students will begin work experience and mentorship programs in a variety of settings such as Fort Whyte Farms, T & T seeds, the Health Science Centre, and community garden mentorships within the school division.

3 Credits

Grade 12

The grade 12 program focuses on arboriculture, advanced landscape design, masonry principles, and nursery crop production. Emphasis is placed on advanced greenhouse and outdoor plant identification. Grade 12 students must complete a digital resume and portfolio, in addition to a successful work practicum and mini thesis on a horticulture project within the community or school division.

4 Credits

Vocational Programs

Welding Technology

Program Description



The Welding Technology Program provides graduate students with the necessary skills to enter the workforce as an apprentice, or to pursue post-secondary education at a community college or university. The Welding Technology Program is a four-year program that begins with Grade 9 instruction. Students will study and practice a wide variety of welding techniques and metal fabrication. Graduating students will be eligible for the Canadian Welding Bureau certification. Mathematical, written, oral, problem-solving skills, and the ability to see projects through to completion will be stressed throughout the program so that students are well equipped for future employment. In conjunction with the R.B. Russell Technology Lab, students will acquire trade related computer skills and learn

to design and create CNC programs. These designs will then be cut on our state-of-the-art CNC Plasma Cam ensuring that students are well prepared for the modern workplace.

Post secondary opportunities available

Upon successful completion of the program, with an average of 70% in all course's student gain hours towards their Level One Apprenticeship Standing.

Career Opportunities

- Fabricated Metal Manufacturing
- Transportation Equipment Manufacturing (Motor Vehicle Body and Parts, Ship and Boat Building)
- Farm Machinery Manufacturing
- Mining Machinery Manufacturing
- Architectural and Structural Metals Manufacturing
- Construction
- Maintenance Welding
- Welding Inspectors
- Welding Instructors
- Welding Supplies Sales Personnel

Courses

Grade 9

The Grade 9 course is designed as an introduction to the metal trade. It will provide students with an understanding of Heavy Industry work, principles, safety, and welding fundamentals. Students will fabricate small welding projects to determine whether or not they wish to pursue this program for the next three years.

.5 Credit

Grade 10

The Grade 10 course will focus on the Gas Metal Arc Welding process. Students will gain an understanding of fusion welding procedures. Students will learn to weld, lap and tee joints, study measurement and layout, metal fabrication, equipment operation and welding techniques.

1 Credit

Grade 11

The Grade 11 course will concentrate on Oxyacetylene safety procedures, cutting and welding processes. Students will learn to read patterns, blueprints and a variety of welding symbols. Emphasis will be placed on the fabrication process and the basics of Shielded Metal Arc Welding.

3 Credits

Grade 12

The Grade 12 course is centered on Gas Metal Arc Welding and Shielded Metal Arc Welding in various positions, advanced welding projects, and preparation for the Canadian Welding Bureau certification. Obtaining the C.W.B. ticket will allow students to enter the workforce in entry level welding positions. Graduates of the program may also select to further their studies at a post-secondary institution.

4 Credits

Senior Years Graduation Credits Requirements (Minimum of 30 credits)

Compulsory Credits: 17	Optional and/or Technology (Vocational) Credits: 13																																		
<p>Grade 9</p> <p>Compulsory Subject Areas (5 credits)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>English Language Arts</td><td style="text-align: center;">1</td></tr> <tr><td>Mathematics</td><td style="text-align: center;">1</td></tr> <tr><td>Science</td><td style="text-align: center;">1</td></tr> <tr><td>Social Studies</td><td style="text-align: center;">1</td></tr> <tr><td>Physical Education/Health Education</td><td style="text-align: center;">1</td></tr> </table> <p>Grade 10</p> <p>Compulsory Subject Areas (5 credits)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>English Language Arts</td><td style="text-align: center;">1</td></tr> <tr><td>Mathematics</td><td style="text-align: center;">1</td></tr> <tr><td>Science</td><td style="text-align: center;">1</td></tr> <tr><td>Geography</td><td style="text-align: center;">1</td></tr> <tr><td>Physical Education/Health Education</td><td style="text-align: center;">1</td></tr> </table> <p>Grade 11</p> <p>Compulsory Subject Areas (4 credits)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>English Language Arts</td><td style="text-align: center;">1</td></tr> <tr><td>Mathematics</td><td style="text-align: center;">1</td></tr> <tr><td>Physical Education/Health Education</td><td style="text-align: center;">1</td></tr> <tr><td>History</td><td style="text-align: center;">1</td></tr> </table> <p>Grade 12</p> <p>Compulsory Subject Areas (3 credits)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>English Language Arts</td><td style="text-align: center;">1</td></tr> <tr><td>Mathematics</td><td style="text-align: center;">1</td></tr> <tr><td>Physical Education/Health Education</td><td style="text-align: center;">1</td></tr> </table>	English Language Arts	1	Mathematics	1	Science	1	Social Studies	1	Physical Education/Health Education	1	English Language Arts	1	Mathematics	1	Science	1	Geography	1	Physical Education/Health Education	1	English Language Arts	1	Mathematics	1	Physical Education/Health Education	1	History	1	English Language Arts	1	Mathematics	1	Physical Education/Health Education	1	<p>Of the 13 optional and/or technology credits required:</p> <ul style="list-style-type: none"> - one credit must be at the grade 11 level - two credits must be at the grade 12 level <p>Optional Credits</p> <p>1 to 13 credits from subject areas such as:</p> <ul style="list-style-type: none"> • Visual Arts • Performing Arts (Music: Piano & Guitar) • Humanities & Social Sciences • Technology Education • Career Development • Cultural Exploration (SIP) • Credit for Employment (SIC) • Community Service Volunteer Credit (SIP) • Others as organized by the school • Special Language Credits (additional courses for credit) • English Language Arts (additional courses for credit) • Mathematics (additional courses for credit) • Sciences (additional courses for credit) <p>Senior Years Technology Education Program Credits</p> <ul style="list-style-type: none"> • To obtain a Senior Years Technology Education Diploma, students must complete a minimum of 8 approved credits within the same technology cluster, including at least two credits at the grade 11 level and two credits at the grade 12 level. • To graduate with an approved Senior Years Apprenticeship Option, students must successfully complete 12 compulsory courses within the same technology cluster <u>and</u> earn 8 approved Senior Years Apprenticeship Option credits. <p>Additional Considerations</p> <ul style="list-style-type: none"> • Students must meet the entrance requirements of the post-secondary education (college or university), training, or work situation they intend to pursue. • School-Initiated Courses (SICs) and Student-Initiated Projects (SIPs) may be used to fulfil graduation requirements as optional credits. These courses are credited as “complete (CO)” in place of a numeric grade. These options are not used in the calculation of post-secondary entrance requirements and are not considered for entrance scholarships. <p>*Students are encouraged to meet with their counsellor for more information about course selection and post-graduate planning.</p>
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Academic Programs

English Language Arts

R.B. Russell offers English Language Arts courses for grade 9, 10, 11, and 12. Students meet the curricular outcomes by doing six things:

1. Reading
2. Writing
3. Speaking
4. Listening
5. Viewing
6. Representing

English 9 - ENGR1F

English 9 is a course that challenges students to become more mature and more competent in their use of the language arts of reading, writing, listening, speaking, viewing and representing. The course will include a variety of Transactional forms, which focus on pragmatics and communication, as well as exploring various Literary forms. At R.B. Russell, English classes emphasize developing strong writing skills through the analysis of mentor texts.

Reading is Thinking - RITR1S

The Reading is Thinking framework is designed to address the literacy needs of students in high school so that they develop the necessary attitudes, knowledge, skills, and strategies to be successful in their learning across all curricula. Students will develop their identities as confident, engaged and motivated readers within their diverse communities. They will enhance their critical literacy skills to develop deeper understandings of a variety of texts. This course is a pass/fail credit.

English 10 - ENGR2F

In English 10, students will build off their skills from English 9. This will include the facets of communication through reading, writing, listening, speaking, viewing and representing. In this course, students will be exposed to expository and narrative texts, including, but not limited to novels, short stories, articles, essays, and poetry. At R.B. Russell, English classes emphasize developing strong writing skills through the analysis of mentor texts.

English 11 - ENGC3S

In English 11, emphasis will be on continuing to develop students' reading, writing, listening, speaking, viewing and representing skills. In this course, students will be exposed to expository and narrative texts, including, but not limited to novels, short stories,

articles, essays, and film. Students will be able to use their previously developed skills to create a variety of forms in order to emphasize their critical literacy abilities. At R.B. Russell, English classes emphasize developing strong writing skills through the analysis of mentor texts.

English 12 Transactional Focus - ENGT4S

In the Transactional Focus course, students work with traditional literature, such as novels, short stories and poetry, but there is a larger focus on non-fiction texts. In this course, students will explore pragmatic aspects of language and literature to continue to develop their communication and literacy skills.

English 12 Comprehensive Focus - ENGC4S

In the Comprehensive Focus course, students will work with both fiction and non-fiction texts to continue to develop their communication and literacy skills. This course will have a focus on creativity and critical thinking, as students will explore and create a variety of forms through thematic units.

Mathematics

Grade 9 – Transitional Mathematics 10F (1 CREDIT)

Grade 9 Transitional Mathematics learners will strengthen their understanding of concepts related to basic arithmetic, including mental math, estimation strategies, percents and their relationship to decimals, fractions, and whole numbers. They will develop and apply strategies, concepts, and skills to conduct and analyze investigations related to patterns and relations. Learners will also make informed decisions related to nutrition and fitness, as well as make and justify decisions concerning a room renovation. They will also make and justify informed financial decisions related to a purchase.

Grade 9 – Mathematics 10F (1 CREDIT)

This course builds on mathematical understandings from the earlier grade levels. Classroom activities emphasize a problem-solving approach and an understanding of the nature of mathematics. The course emphasis is on the “why” and not just the “how”. A variety of assessments will be used to aid the student in achieving the learning outcomes. A balance between assessment for learning, assessment as learning, and assessment of learning will provide the necessary environment for all students to be successful.

Academic Programs

Grade 10 - Intro to Applied and Pre-Calculus Mathematics 20S (1 CREDIT)

This course is a continuation of the concepts covered in Grade 9, as well as an introduction to new topics. This course lays the foundation for students interested in taking either Applied Math or Pre-Calculus at the Grade 11 and 12 levels. Problem Solving, Communication, Reasoning and Mental Math are some of the topics which will be covered in this course. Students will engage in a variety of activities that promote the connections between symbolic math ideas and the world around them. The four main topics covered are Number Sense, Patterns and Relations, Shape and Space, and Statistics and Probability.

Grade 10 – Essential Mathematics 20S (1 CREDIT)

This course introduces students to the mathematical concepts and skills encountered in everyday life in modern Canadian society. It emphasizes consumer applications, problem solving, decision making, and spatial sense. Assessment tools used in this course are varied and include observation, homework, portfolios, performance tasks, investigations, quizzes, reflections, and tests. Topics covered in this course include analysis of Games and Numbers, Personal Finance, Measurement, 2-D Geometry, Trigonometry, Consumer Decisions, Transformations and Angle Construction. This course is intended for students who do not plan to study mathematics after high school.

Grade 11 – Essential Math 30S (1 CREDIT)

This course will facilitate students in their understanding of mathematical concepts related to finance, taxes, data analysis, probability, formulas and measurement. An investigative approach, combined with hands-on activities will be used to demonstrate mathematical concepts. Students will develop a variety of problem-solving strategies to use when faced with a real-life mathematical problem. Assessment will take place throughout each unit and various techniques will be used. It is required that students be active participants in the assessment process. Students will be expected to assess themselves, assess their peers, and reflect on this process. Based on this feedback the student will be provided with strategies for continued success and improvement.

Grade 11 - Applied Mathematics 30S (1 CREDIT)

This course is a continuation of the mathematical concepts studied in previous years, as well as an introduction to new concepts. It lays the foundation for Applied Math at the Grade 12 level. It also develops the skills, ideas, concepts, and the confidence students will need to continue studying math in the future. This course will focus on the following areas: Measurement, Trigonometry, Number Sense, Graphs and Relations, and Relations and Functions. This course is intended for those students wishing to take Grade 11 and Grade 12 Applied Mathematics.

Grade 12 – Essential Math 40S (1 CREDIT)

This course provides the mathematical foundations for the major consumer items involved in adult Canadian life. Topics include: Mortgages, Life Insurance, Home Insurance, Property Tax, Income Tax, Investments, Design & Measurement, Variation & Formulas, and Statistics. Students enrolled in this course are required to write the Department of Education Provincial Assessment. This assessment requires students to present a portfolio of their work, complete a project, and write an exam. This assessment is 30% of the student's final mark in the course.

Grade 12 - Applied 40S (1 CREDIT)

This course promotes critical thinking and problem solving and models' real-world situations using mathematics. Technology plays a large part of this course. Students will be required to use the TI83 calculator which allows them to graph different equations. Some web tools will also be used for mathematical exploration and problem solving. Topics included in the course are Personal Finance, Measurement, Logic, Probability, Polynomial Functions, Exponential and Logarithmic Functions, Sinusoidal Functions, and Permutations/Combinations. This course is intended for students considering post-secondary studies, but who do not require a study of theoretical calculus.

Academic Programs

Science

GR. 9 Science 10F (1 CREDIT)

The goal of the Gr. 9 Science program is to further students' understanding of science concepts in the following units: Reproduction, Atoms and Electricity, Nature of Electricity, and Exploring the Universe. Broadening student understanding of the evolution of scientific thinking and knowledge is also part of the course.

GR. 10 Science 10F (1 CREDIT)

The grade 10 Science program is a Manitoba created curriculum which includes 4 clusters: Dynamics of the Ecosystem, Chemistry in Action, In Motion, and Weather Dynamics. Daily assessment is based on assignment quality and completion, and participation in a variety of classroom activities including conducting experiments using safe laboratory practices.

GR. 11 Biology 30S (1 CREDIT)

The goal of grade 11 Biology is for students to gain a deeper understanding of human body systems. We look thoroughly at systems that are essential for human life and discuss what happens if one of those things stops working. By the end of the course students will have a good knowledge of the digestive, respiratory, cardiovascular, nervous and immune systems through hands-on scientific inquiries.

GR. 12 Biology 40S (1 CREDIT)

The goal of grade 12 Biology is to look at what makes humans (and other living things) the way we are. We take an in-depth look at genetics, DNA and evolutionary theory, and use what we have learned to describe how every living thing on the planet has become what it is today.

GR. 11 Chemistry 30S (1 CREDIT)

In grade 11 Chemistry, students will explore the concept of matter and how it interacts with the outside world. Students will explore 5 units, physical properties of matter, gases and the atmosphere, chemical reactions, solutions and organic chemistry. Students will participate in a variety of labs to explore these concepts.

GR. 12 Chemistry 40S (1 CREDIT)

Grade 12 Chemistry focuses strongly on the behaviour of many different types of chemical reactions. This course will focus on a hands-on approach and have many different laboratory experiments to explore chemical reactions.

Humanities

GR. 9 Social Studies 10F (1 CREDIT)

The fundamental goal for Social Studies is to give students the knowledge, skills and attitudes necessary for them to participate in society. Individual and group activities call upon the skills of organization, analyzing and reflecting. The geography unit focuses on map/atlas work, particularly involving Canada. The Economy unit leads students to an understanding of how the Canadian economic system works and how it affects their lives. The Politics, Government and Law unit provides a framework for students to examine the three levels of government and the political process, including elections and the legal system. The Human Rights unit is designed to open students' minds to respecting others.

GR. 10 Geography of North America 20F (1 CREDIT)

The intent of this course is to promote active democratic citizenship, skill in managing information, develop critical and creative thinking and effective communication. The physical and social environments of North America with primary focus on Canada will be explored through five clusters: Geographical Literacy, Natural Resources, Agriculture, Industry and Trade, and the study of Urban Places. Assessment is based on daily work assignments, tests, projects, presentations, debates, informal discussion and data analysis.

GR. 11 History 30F (1 CREDIT)

The grade 11 History course looks at historical development in Canada and focuses on social and political history. Topics include Aboriginal peoples, immigrants, regional development, government and the growth of the Canadian nation. These topics are studied through readings, discussions, videos and speakers as well as current media. Assessment is based on participation and completion of individual and group tasks

Humanities Continued

GR. 12 Cinema as a Witness to Modern History 40S (1 CREDIT)

This course considers film as a source of information – or misinformation – about the past, and as a springboard for critical reflection about diverse interpretations of history. The course deals with historical developments and themes that have influenced world history since the beginning of the 20th century. Witness history through a truly unique experience of learning.

GR. 12 Family Studies 40S (1 CREDIT)

This course is designed to help students understand human behaviour, to foster healthy attitudes, and to explore the dynamics of the family unit. Many people re-examine their family decisions throughout their lives, reassessing and reevaluating their relationships. Topics covered focus on the changing family, the roles of the family in raising children, building healthy relationships and strong marriages, self-esteem, self-management and media literacy.

GR. 12 Law 40S (1 CREDIT)

This course examines the development and implementation of laws in Canadian society. Students will be able to explain what law is and why societies have laws; describe the different categories of law; identify the historical roots of Canadian law; explain who is responsible for law-making in Canada; and how laws are developed, interpreted, applied, challenged, and enforced.

GR. 12 Psychology 40S (1 CREDIT)

This course engages students in the scientific study of behaviour and mental processes. Students will explore how psychologists use the scientific method to discover ways of understanding the complexities of human thought and behaviour and the differences among people. Studying psychology helps students understand themselves, and how to deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems such as drug dependency, aggression and discrimination.



Physical Education GR. 9 - 12 (1 Credit Each)

Gr. 9 Physical Education 10F (1 CREDIT)

This course requires consistent attendance and participation in a variety of sports, low organized games and fitness activities. Students will be given a wide variety of fitness and exercise options to excel and succeed in this course. The focus in grade nine physical education class will be on fitness management, healthy relationships, personal wellness, sexual education and the study of muscles. Students will learn all the muscles in the body and how they relate to sport and daily life functions. We will discuss how weight training and a healthy diet will promote mobility and a longer healthier life.

Gr. 10 Physical Education 20F (1CREDIT)

This course requires consistent attendance and participation in a variety of sports, low organized games and fitness activities. Students will be given a wide variety of fitness and exercise options to excel and succeed in this course. The focus in the grade ten physical education class will be on officiating, scorekeeping, fair play, goal setting and personal health responsibility. In this course we emphasize personal fitness and a healthy way of life. We focus on healthy eating, daily fitness routines and nutrition. Another focus will be ethical and fair game play, understanding and learning how to regulate emotions during a competitive activity.

Gr. 11 Physical Education 30F (1 CREDIT)

This course requires consistent attendance and participation in a variety of sports, low organized games and fitness activities. Students will be given a wide variety of fitness and exercise options to excel and succeed in this course. The focus of the grade eleven physical education class will be understanding risk, risk management, creating and tracking personal fitness goals. We will evaluate the benefits of selected types of physical activities in the development of fitness and in the prevention of disease at various stages of life. Students will learn positive health strategies to deal with issues such as stress, anxiety, depression, and eating disorders. Students will learn how media influences self-image and can lead to risky/dangerous behaviors.

This course requires consistent attendance and participation in a variety of sports, low organized games and fitness activities. Students will be given a wide variety of fitness and exercise options to excel and succeed in this course. The focus of the grade twelve physical education class will on relationships with family and co-workers, recognizing unhealthy relationships, identifying and becoming a leader within a team and how advertising effects food purchase. Students will learn about how and why companies market foods to youth and how those foods can negatively affect their fitness goals. Students will learn problem-solving and decision-making strategies to identify and prevent the development of abusive relationships and/or to end unwanted relationships. Students will learn the characteristics of effective team leaders and their impact on team development.



Gr. 12 Physical Education 40F (1GREDIT)

Optional Credits

Visual and Performing Arts

Grade 9 - 12 (1 CREDIT EACH)

The goal of the Fine Arts program is for students to develop the ability to visually communicate their ideas, feelings and experiences through skill development in the use of a variety of art mediums. Students are encouraged to explore, problem solve, challenge themselves and share their acquired skills and enthusiasm for participating in a creative process. The Fine Arts program emphasizes awareness of the natural and man-made environment, the enjoyment of 'hands-on' participation and the healing processes of reflection and thought which foster 'building processes. The program also endeavors to accommodate and support all skill levels and encourages students to become familiar with the art of different cultures and the works of professional artists, past and present.

Guitar (1 CREDIT)

In this beginner guitar course, students will learn basic chords, and typical chord progressions. Students will receive preliminary instruction on scales and note reading. Students will be exposed to a variety of rhythm and finger picking techniques and will have a chance to practice multi-part arrangements of songs and perform as part of a group.

Piano (1 CREDIT)

This course is designed to stimulate student growth in piano through the use of performance, basic theory, listening to piano performance and history of piano performance. Students will be learning pieces based on their previous level of experience. All students will complete work in music theory and history to teach them the knowledge necessary to form a lifelong enjoyment of music.

Truth and Reconciliation (1 CREDIT)

Truth and Reconciliation will provide students with the opportunity to explore and develop their understanding of the relationship between Indigenous and non-Indigenous Canadians. The entire course is framed around the

Truth and Reconciliation continued

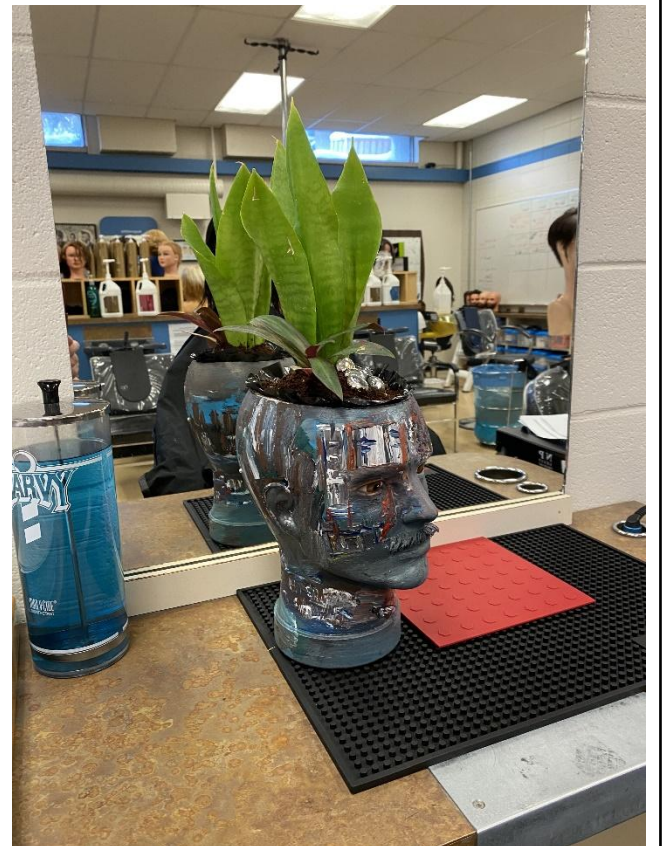
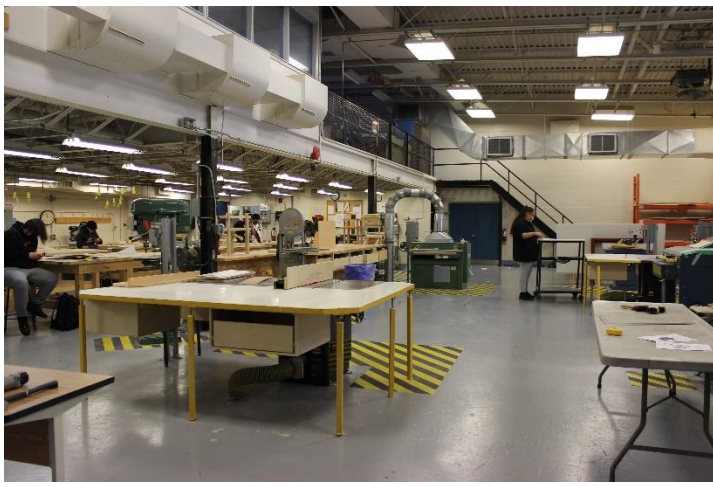
question, "What does Reconciliation mean to you?" Reconciliation is an open-ended concept with many definitions and each student will use their learning to shape their understanding of Reconciliation. As the course progresses, this question will be revisited several times, ultimately culminating in a final project that asks students to represent Reconciliation using writing, visual art, or any other medium of their choice. For many students, this course covers issues that are very real and present in their own lives.

This course's timeline will stretch from the time before European contact to today's Canada. Students will have the opportunity to explore the impact of the past on the present, focusing on systemic oppression but also celebrating progress. The main goal of the course is to leave students feeling empowered as individuals that will become part of the process towards healing and Reconciliation. The first step of that process is for students to gain a thorough understanding of the events, values, and belief systems that created the fracture that still exists today. This course will explore several topics such as Colonialism, the Indian Act, Treaties, Canadian Residential Schools, the Sixties Scoop, Missing and Murdered Indigenous Women, and Systemic Racism.

The purpose of this course is not to vilify non-Indigenous Canadians but instead to create an open and honest dialogue so that progress can be made. There is a tremendous amount of misinformation regarding Indigenous Peoples of Canada as well as their relationship with non-Indigenous Canadians and the Canadian Government. Having the opportunity to explore these ideas allows students to be part of the conversation and the movement towards Reconciliation.

Bicycle Repair (1 CREDIT)

The Bicycle Repair class provides students with opportunity to learn the basic mechanical and problem-solving skills to repair one of the world's most efficient machines. This program offers students to learn the basics of bicycle maintenance, repair, and troubleshooting the different systems on the bike. Students will learn to identify the general and bike specific tools needed to make repairs and adjustments for optimal performance of their bicycle. Learning these skills offers them the ability to maintain their own bicycle for their own use and enjoyment as well as potential employment opportunities in the community.



Additional Programing

ELECTRICAL TRADES TECHNOLOGY



Electrical Trades Technology

Individuals working in electrical trades technology play an important role in our economy and society. These individuals plan, assemble, install, repair, test and maintain electrical fixtures and systems that provide heat, light, power or control in residential, commercial and industrial buildings. They are able to understand and follow detailed blueprints and documents along with visualizing complex electrical systems. In addition, they are excellent problem solvers and take pride in their work.

The Winnipeg School Division is offering this program in partnership with the International Brotherhood of Electrical Workers (IBEW 2085).

The Electrical Trades Technology program aims to provide the skills, theory and experience needed to start an apprenticeship as a Construction Electrician.

If you like precision work and are interested in electrical wiring systems and controls, you should consider a career as a construction electrician. Electricians adhere to tightly regulated industry standards for the installation, repair and safety of electrical systems.

The program consists of two full-time semesters of course work. Both semesters combine classroom theory instruction and practical lab training.

Upon successful completion of the program, with an average of 70% in all course's student gain hours towards their Level One Apprenticeship Standing.

Upon completion of the program students will have earned the following eight vocational credits:

- Introduction to Electrical Trades Technology 20S
- Electrical Trades DC Fundamentals 30S
- Residential Wiring 30S
- Electrical Wiring Methods 30S
- Advanced Residential Wiring 40S
- Electrical Trades AC Fundamentals 40S
- Advanced Electrical Wiring Methods 40S
- Applied Electrical Trades Technology 40S

Requirements to enter the Electrical Trades Technology program include:

- Currently enrolled in grade 11 or 12 in a Winnipeg School Division school.
- Strong desire to learn and work in the electrical trades
- Completion of an Off-Campus Pre-Apprenticeship application
- Participation in an interview

WSD students have the opportunity to gain credits towards graduation through this program.





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