

JUNIOR HIGH Gr. 7-9 REGISTRATION HANDBOOK



Father Patrick Mercredi High School 2013-2014

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JUNIOR HIGH CAREER PATHWAYS	Course Description NOTE: Options will only run if there are adequate numbers.	Career and Technology Studies Courses Associated with Program	Maximum # of Students in Program
Business & Information Technologies			
Computer Discovery Gr. 7	<p>Students in Grade 7 are provided the opportunity to learn hands-on how to operate computers and expand their knowledge of computer applications. Developing strong basic computing skills and an operational knowledge of general use software, students will be informed about the responsibilities and hazards of using computer technology. The goal of this course is to help students operate computer technology safely, responsibly, and proficiently.</p> <ul style="list-style-type: none"> • Topic 1 Role of Computers in Society • Topic 2 Basic Computing Skills Topic 3 Office Applications • Topic 4 Computers and Education • Topic 5 The Future of Computing and Technology Trends 	Junior High-No CTS correlation needed	24
Internet Discovery Gr. 8	<p>This course provides students with an overview of what role(s) the internet plays in society today. Analyzing the history and the development of network communications, students will learn the significance of computer networking and the world wide web compared to other forms of mass media and informative systems. The impact of social networking in personal and commercial relationships analyzes how the Internet is changing daily activities around the globe. Exposure to computer programming introduces students to the technical side of computer use and facilitates further discussion about computer software applications. Throughout the course students are exposed to technology news as it happens and invited to open dialogue on the impact new inventions might have on future</p> <ul style="list-style-type: none"> • Topic 1 History of the Internet and the role of Mass Media in Society • Topic 2 Impact of Social Networking • Topic 3 Computer Programming (Java Script) Topic 4 3D Modeling (Sketch-up) • Topic 5 The Future of Computing and Technology Trends 	Junior High-No CTS correlation needed	24

<p>Intro to IT Essentials Gr. 9</p>	<p>This precursory program provides students with an overview of the high school IT Essentials program. Classroom lectures will concentrate on discussing the role of hardware, operating systems, and networking in the world of computing today. Students will also explore careers in the technology field and examine the skill-base required to enter this area of employment.</p> <p>Emphasis will be on windows based computing but students will learn about other proprietary and open source computer systems.</p> <ul style="list-style-type: none"> • Topic 1 History of Computing • Topic 2 Computer Hardware • Topic 3 Operating Systems and Networks Topic 4 Careers in Technology • Topic 5 The Future of Computing and Technology Trends 	<p>Junior High-No CTS correlation needed</p>	<p>24</p>
<p>Health, Recreation & Human Services</p>			
<p>Child Care Gr. 7 or 8 or 9 (1st semester only)</p> <p>*Course can only be taken once during 7, 8 or 9</p>	<p>In this course, students will be introduced to the field of Child Development. Emphasis is placed on various topics such as:</p> <ul style="list-style-type: none"> *Emotional and Physical Health *Developmental Stages *Caring for Children *Nutrition and Fitness *Careers in Child Development <p>Students will create a product, performance or service related to this field and will complete the babysitting course (must be 11yrs+).</p>	<p>Junior High-No CTS correlation needed</p>	<p>No Maximum</p>
<p>Cosmetology Gr. 7-9</p>	<p>This introductory course is designed to introduce students to basic hair and skin care techniques. Students will learn about the structure of the skin, nails, and hair thus preparing them for courses later in high school.</p>	<p>Junior High-No CTS correlation needed</p>	<p>Maximum of 18</p>
<p>Foods and Nutrition Gr. 7-9</p>	<p>Students will gain practical experience and develop skills in the kitchen lab. Students learn to make wise food choices and to understand recipes, equipment, care in handling food and the importance of safe and efficient work habits. Students will also learn the preparation of satisfying, nutritious, fun snacks and appetizers.</p>	<p>Junior High-No CTS correlation needed</p>	<p>Maximum of 18</p>

Strategic Critical Thinking Grade 9	<p>In this course students learn to strategize and think critically when making decisions. Indoor physical games as well as current board games are used to develop critical thinking and strategic planning. Outdoor pursuits like belaying, wall climbing and geocaching will be pursued weather permitting. Students will also develop social skills by being matched together for game competitions.</p>	Junior High-No CTS correlation needed	Maximum of 28
Media, Design and Communication Arts			
Art Gr. 7-9	<p>Through a variety of projects and media, students are introduced to the Elements of Art: Line Shape, Form, Texture and Color. Students will have an opportunity to celebrate their individuality and develop creative problem solving skills. Projects will involve processes such as drawing, painting and sculpting.</p>	Junior High-No CTS correlation needed	32
Photography and Media Design Gr. 7-9	<p>This course is an introduction to the media studies aspect of the Career and Technology Studies program.</p> <p>At this level students will learn:</p> <ul style="list-style-type: none"> • Basic Photoshop/Videography/Animation skills • Basic Photoshop/Videography/Animation theory <p>Students will complete a series of projects using the skills they have developed during the course.</p>	Junior High-No CTS correlation needed	20
Fashion Studies-Sewing Gr. 7-9	<p>Students will gain practical experience and develop skills in the sewing lab. Students will learn about the safe use and care of sewing equipment, fabric terminology, pattern markings and machine/hand sewing techniques.</p>	Junior High-No CTS correlation needed	16

Natural Resources			
<p>Environmental Science-Gr. 7-9 (2nd semester only)</p> <p>*Course can only be taken once during grade 7, 8 or 9.</p>	<p>In this option you will learn about Environmental Science in a fun and interactive way. Our quality hands-on experiments and innovative curriculum help provide you with the ability to:</p> <ul style="list-style-type: none"> • exhibit a general understanding of the concepts fundamental to the development of environmental science • demonstrate an understanding of the principles of sustainability • demonstrate an understanding of the relationship between ecosystems locally, regionally, and globally • recognize how technology incorporates scientific advances • explain the impact of technological change on society • illustrate different ways in which society responds to environmental issues • carry out research on environmental issues • organize, summarize, and present information and evaluation of environmental issues <p>**The program concludes with a field trip to our local Oil Sands reclamation area(s) where students can talk with local scientists.</p>	<p>Junior High-No CTS correlation needed</p>	<p>26</p>
Trades, Manufacturing & Transportation			
<p>Mechanics Gr. 8-9</p>	<p>This course is an introduction to the field of automotives. Students will have the opportunity to increase their knowledge and skills related to the maintenance of vehicles through hands- on experiences.</p>	<p>Junior High-No CTS correlation needed</p>	<p>18</p>
<p>Construction Gr. 8-9</p>	<p>Students will complete a variety of projects and activities to investigate the nature and applications of tools, equipment, and safety when working with wood or other materials.</p>	<p>Junior High-No CTS correlation needed</p>	<p>18</p>
<p>Pre-Engineering Gr. 7</p>	<p>Students in grade 7 interested in enrolling in Pre Engineering 7, will discover the world of engineering and problem solving by completing units focused on structural forces including bridge design, Lego robotics, desktop publishing, and team building engineering activities.</p>	<p>Junior High-No CTS correlation needed, Only 2 classes of each grade level, no mixed grade level classes</p>	<p>24</p>

<p>Pre-Engineering Gr. 8</p>	<p>Students in grade 8 interested in enrolling in Pre Engineering 8, will discover the world of engineering and problem solving by completing units focused on mechanical systems including hydraulic arms, Lego robotics, researching engineering careers and team building engineering activities.</p>	<p>Junior High-No CTS correlation needed, Only 2 classes of each grade level, no mixed grade level classes</p>	<p>24</p>
<p>Pre-Engineering Gr. 9</p>	<p>Students in grade 9 interested in enrolling in Pre Engineering 9, will discover the world of engineering and problem solving by completing units focused on electrical engineering, Vex Robotic Systems and team building engineering activities. Students will spend significant time learning Vex Robotics in order to compete in a classroom robotic challenge.</p>	<p>Junior High-No CTS correlation needed, Only 2 classes of each grade level, no mixed grade level classes</p>	<p>16</p>
<p>Robotics: Lego Robotics League – Grades 7-9</p> <p>(Semester 1 only)</p> <p>Competitive</p>	<p>Students interested in enrolling in the Lego Robotics League should have experience using Lego Mindstorms Software.</p> <p>Students will be designing, creating and programming robots to compete in the First Lego League Competition in January.</p> <p>Students should possess great teamwork skills, are hardworking and can compete in competitions outside of school hours.</p>	<p>Junior High-No CTS correlation needed, Only 1 class in semester 1 only</p>	<p>24</p>
<p>F1 in Schools</p> <p>Gr. 7-9</p> <p>(Semester 1 only)</p> <p>Competitive</p>	<p>The F1 in Schools initiative creates a fun and motivating environment for students to experience the engineering process at the middle/high school level. Students enrolled in the F1 class will primarily be working on computer aided design to create and design an electronic version of the car as well as CNC milling to build the actual model. Students will have the option of working with the F1 in schools team to compete in the national competition.</p>	<p>Junior High-No CTS correlation needed, Only 1 class in semester 1 only</p>	
<p>Robotics: Vex Robotics League – Grade 9</p> <p>(Semester 1 only)</p> <p>Competitive</p>	<p>Students interested in enrolling in the Vex Robotics League will be designing, creating and programming robots to compete in the Vex Robotics Competition in February.</p> <p>Students should possess great teamwork skills, are hardworking, dedicated and can compete in competitions outside of school hours.</p>	<p>Junior High-No CTS correlation needed, Only 1 class in semester 1 only</p>	<p>16</p>

Second Languages			
French Second Language Gr. 7-9 (yearlong)	The program is designed to teach students how to understand what they hear and read in French and to communicate their ideas orally and in written form, using an approach that is based on real life experiences and situations.	Junior High-No CTS correlation needed	30
Band Options			
Introduction to Band Gr. 7 and 8 (1 option Semester 1 or 2 options yearlong)	This is an introduction to playing in a school band. Students with no prior band experience will have an opportunity to learn a typical wind instrument over the course of the entire school year. Students will choose between, flute, clarinet, saxophone, trumpet, trombone, horn, or euphonium. Concerts will be performed at Christmas and June.	Junior High-No CTS correlation needed	30
Grade 8 Concert Band (2 options year long)	This course is for students who have at least 1 full year of band experience already. Students will continue to progress on learning the instrument they chose in beginner band but there may be opportunity to learn additional instruments such as the Oboe, Bass Clarinet, Baritone Sax, Tuba, String Bass and Percussion instruments. Concerts will be performed at Christmas, Music Festival and June.	Junior High-No CTS correlation needed	30
Grade 9 Concert Band (2 options year long)	This course is for students who have previous band experience. Students will continue to progress on learning their instrument as well as encouraged to learn an additional instrument such as the Oboe, Bass Clarinet, Baritone Sax, Tuba, String Bass and Percussion instruments. Concerts will be performed at Christmas, Music Festival and June.	Junior High-No CTS correlation needed	30
Grade 8 Jazz Band (2 options year long)	This is an introduction to performing in a school jazz band. Students should have prior band experience. Basic jazz concepts will be covered and opportunity for performances will be available. Students who have prior experience with Piano or Guitar are also welcome in this ensemble. Concerts will be performed at Christmas, Music Festival and June.	Junior High-No CTS correlation needed	

<p>Introduction to Jazz Band Gr. 7 ONLY</p> <p>(Semester 2 only)</p>	<p>This is an introduction to performing in a school jazz band. Students must have either taken Introduction to Band or are enrolled in the Beginner Band. Very basic concepts will be covered and there may be opportunity for a year-end performance.</p> <p>Students who have a prior knowledge of Piano, or Guitar are also welcome in this ensemble.</p>	<p>Junior High-No CTS correlation needed</p>	<p>30</p>
<p>Grade 9 Jazz Band</p>	<p>This is a continuation to performing in a school jazz band. Students should have prior band or jazz experience. Jazz concepts will be covered and opportunity for performances will be available.</p> <p>Students who have prior experience with Piano or Guitar are also welcome to attend the ensemble. Concerts will be performed at Christmas, Music Festival.</p>	<p>Junior High-No CTS correlation needed</p>	<p>30</p>
<p>Academy Options</p>			
<p>Baseball Academy Gr. 7-9</p> <p>(Year long or 2nd Semester only)</p>	<p>This sport academy is designed to promote the development of academic, athletic and life skills. The goal of the program is to help students reach their individual potential both in the classroom and in sport. Tuition fee per player will be required to assist with program and transportation costs.</p> <p>Two Options/Semester– Baseball Tuition \$500 per semester (Total \$1000) + Clothing</p>	<p>Junior High-No CTS correlation needed</p>	<p>No Maximum</p>
<p>Hockey Academy Gr. 7-9</p> <p>(Year long or 1st Semester only)</p>	<p>This sport academy is designed to promote the development of academic, athletic and life skills. The goal of the program is to help students reach their individual potential both in the classroom and in sport. Tuition fee per player will be required to assist with program and transportation costs.</p> <p>Two Options/Semester -Hockey Tuition \$500 (Semester 1 only) + Clothing</p>	<p>Junior High-No CTS correlation needed</p>	<p>Maximum 25</p>

<p>Soccer Academy Gr. 7-9</p> <p>(Year long or 2nd Semester only)</p>	<p>This sport academy is designed to promote the development of academic, athletic and life skills. The goal of the program is to help students reach their individual potential both in the classroom and in sport. Tuition fee per player will be required to assist with program and transportation costs.</p> <p>Two Options -Soccer Tuition \$500 (Semester 2 only) + Clothing</p>	<p>Junior High-No CTS correlation needed</p>	<p>No Maximum</p>
<p>Cheerleading Academy Gr. 7-9</p> <p>(Year long only)</p>	<p>This sport academy is designed to promote the development of academic, athletic and life skills. The goal of the program is to help students reach their individual potential both in the classroom and in sport. Tuition fee per person will be required to assist with program and transportation costs.</p> <p>Two Options/Semester -Cheerleading Tuition \$500 per semester (Total \$1000) + Clothing</p>	<p>Junior High-No CTS correlation needed</p>	<p>Maximum of 24</p>
<p>Golf Academy Gr. 7-9</p> <p>(year long based on golf season, after school commitment)</p>	<p>This sport academy is designed to promote the development of academic, athletic and life skills. The goal of the program is to help students reach their individual potential both in the classroom and in sport. Tuition fee per person will be required to assist with program and transportation costs.</p> <p>Golf Tuition \$500 plus course fees + Clothing</p> <p>You must provide your own transportation</p>	<p>Junior High-No CTS correlation needed</p>	<p>No Maximum</p>

<p>Swim Academy Gr. 7-9</p> <p>(Year long or 1st semester only)</p>	<p>This sport academy is designed to promote the development of academic, athletic, and life skills. It can enrich the opportunity for competitive swimmers to train and excel at their level during the regular school day and free up after school time to study, participate in other sports and volunteer.</p> <p>This is also an excellent aquatic cross training program for any sport along with developing strong swim ability for life long health.</p> <p>There will be a possibility of combining this with a Lifeguard Training program.</p> <p>Students will have the opportunity to be trained by a level 3 (Comp Dev.) NCCP certified coach and have access to specialized equipment for training along with Video analysis. The swimmer must be registered through "Young Aquatic Club" and "Swim Alberta" due to insurance reasons.</p> <p>Tuition fee per person will be required to assist with program and transportation costs. Two Options/Semester</p> <p>-Swimming Tuition \$500 per semester (Total \$1000) + Clothing</p>	<p>Junior High-No CTS correlation needed</p>	<p>Maximum 25</p>
<p>Social Sciences</p>			
<p>Aboriginal Studies Gr. 7-9</p> <p>(1st semester)</p>	<p>This course strengthens and inspires by focusing on traditional wisdom of the aboriginal people. Students will work towards creating a peaceful balance within using Aboriginal "laws" as a guide. The "laws" which govern life, are not laws in the literal and mechanistic sense.</p> <p>There are perspectives that can help young people to orient themselves positively as Aboriginal people while establishing or strengthening their personal identities.</p>	<p>Junior High-No CTS correlation needed</p>	<p>20</p>
<p>Study Skills Gr. 7-9</p> <p>English/Social Studies</p>	<p>This course strengthens students in the academic areas of English and Social Studies.</p>	<p>Junior High-No CTS correlation needed</p>	<p>20</p>

<p>Study Skills Gr. 7-9</p> <p>Mathematics/Science</p>	<p>This course strengthens students in the academic areas of Mathematics and Science.</p>	<p>Junior High-No CTS correlation needed</p>	<p>20</p>
<p>Fine Arts</p>			
<p>Choral Gr. 7-9</p>	<p>Choral is an open choral program for all students at Father Mercredi. Auditions and previous musical experience are not required. The choir will meet after school three times a week. They perform publicly three to five times a year. If you want to learn to sing, and enjoy learning in a positive and fun atmosphere, this is the place.</p>	<p>Junior High-No CTS correlation needed</p>	<p>30</p>
<p>Drama Gr. 7-9</p>	<p>Drama will develop personal and interpersonal skills such as Trust, Concentration, Observation and Sense Awareness, Teamwork and Imagination. As well, you will learn skills and knowledge associated with the art form of Theatre. These disciplines include Movement, Speech, Improvisation, Characterization, Scene Work and Play-Making.</p>	<p>Junior High-No CTS correlation needed</p>	<p>30</p>