



Be Future Ready!

Post-Secondary Readiness

- Dual credit opportunities: Students will get a high school credit as well as a post-secondary credit.
 - o Health Science 20H/Medical Terminology 180 – SK Polytechnic
 - o Anatomy 30H /Anatomy 100 – SK Polytechnic
 - o Interpersonal Communications 30H/Interpersonal Communications 291– SK Polytechnic

The above courses may be transferable to Universities depending on the program entered.

 - o Biology 120.3 U of S – after completing Biology 30H, students will have the opportunity to get a first year Biology credit from the U of S at a significantly reduced cost!
- Lab experience at post-secondary institutions
- Guest talks and teaching from local scientists and researchers
- Opportunity to acquire health care certifications in high school
- Hands on work with Nursing students in classroom setting
- Research opportunities at Canadian Light Source

Career Development

- BJM is a host site for citywide career exploration events run by the Saskatoon Industry Education Council such as Health Link and the Nursing Panel
- Presentations on health care and projected future needs for jobs within the industry
- Saskatoon Health Region presentations
- Presentations from local scientists and researchers to expose students to a variety of possible career opportunities
- Mentorship opportunities with professionals working in the health and science related fields
- Grade 9 – Career Exploration Unit
- Grade 10 and 11 – Career Conferences with Student Services
- Grade 12 – Exit Meeting and Planning for future with Student Services



Program Costs:

Due to the generous support of Heather Ryan and David Dubé there is no tuition for the Health & Sciences Academy. There will be a program fee of \$75 to cover the costs of field trips, unique educational experiences, and supplies. Additional costs of the program are due to the fee the post-secondary institutions charge for their classes. HSA students are able to take these classes at a significantly reduced rate. The 2020-21 costs are anticipated to be the following.

		Cost for HSA Students
Grade 11	Interpersonal Communications 291 (SK Poly dual credit) <i>(SK Poly cost \$350.00 plus text etc.)</i>	\$150
	Medical Terminology 180 (dual credit with HSC20)	\$150
Grade 12	Anatomy 100 (SK Poly dual credit) <i>(SK Poly cost \$350.00)</i>	\$150
	Biology 120.3 University of Saskatchewan (\$90 U of S Registration Fee) <i>(U of S cost is \$696.00 plus fees)</i>	\$0

It is very important to remember that although there is a cost for these classes, students will **not** have to pay for these classes in the future as they will have received the credit.



Course Descriptions – French Immersion

Core 90H – (Français A90H, Français B90H, Éducation Chrétienne 90H, Science Humaines 90H)

The four core subjects in grade 9 will achieve the curricular outcomes in an engaging and unique way by integrating as much health and science related content as possible.

Science 90H – This course serves as an introduction to all sciences through a study of human reproduction, atoms and elements, electricity and space. Through many opportunities for hands-on learning, students will develop strong lab skills and an understanding of science fundamentals needed for future courses.

Science 10H – Students will delve deeper into chemical reactions, investigate the dynamics of climate and ecosystems and explore forces and motion. Labs, activities, simulations & inquiry projects will help students to develop their skills so that they are best prepared for all of the 20 level sciences.

Environmental Science and Toxicology 20H – The role of humans in the environment will be explored in this course through the study of ecosystems, resource management and environmental testing. The impact of pollution on human health will also be investigated.

Health Science 20H/ Medical Terminology 180* (SK Poly dual credit) – Human body systems, nutrition, health care ethics and philosophy, and the diagnosis and treatment of disease will all be explored in this course. Students will learn a number of new lab skills as they consider health case studies and lab results to come up with possible diagnoses for disease. As part of the course, Medical Terminology 180 will be completed through Sask Polytechnic for a dual credit.

Mental Health & Well-Being 20H – Throughout this course, opportunities are provided for students to attain, maintain, and promote a healthy mind, body, heart, and spirit. Young people can acquire the understandings, skills, and confidences needed, for example, to evaluate mental health policies; to negotiate and make healthy decisions about mental health supports; to question the norms and trends that influence decision making; to communicate effectively in relationships; and to take action to promote the well-being of self, family, community, and environment

Physical Science 20H – This course will allow students to probe further into the foundations of chemistry through the investigation of chemical reactions. Students will also examine the physics of many types of waves. Emphasis will be placed on developing strong problem solving skills and connecting the science to the world around them.

Anatomy 30H/Anatomy 100* (SK Poly dual credit) – In this dual credit course, students will explore the structure and function of major body systems and how they maintain a healthy body. Engaging lab experiences will enhance student learning.

Biology 30H – In this course, students will learn about the cell and its functions and genetics and biotechnology. Through a study of evolution, students will examine the relationships between kingdoms of living things.

Biology 120.3 University of Saskatchewan (first year biology) - This course will provide a continued study of the underlying fundamental aspects of living things. This will include an examination of the cell, genetics and the evolutionary processes which lead to complex, multicellular life forms. Extensive lab work will be a key part of this class.
Prerequisite: Biology 30H. Chemistry 30 is also strongly recommended as a prerequisite for this course.

Interpersonal Communications 30H/ Interpersonal Communications 291* (SK Poly dual credit)
Effective oral and written communication skills will be studied and practiced in this class. Other topics will include how to work effectively with others and the effect of attitude and behaviors on a successful job search.

Medical Terminology 30H/ Medical Terminology 161* (SK Poly dual credit) – The focus of this course will be medical language and its use in practical situations. Emphasis will be placed on medical terms associated with human body systems.

*Credit will be earned through SK Polytechnic. These courses may be transferable to universities depending on the program of study.



The Health & Sciences Academy at Bishop James Mahoney High School (BJM) is an exciting grade 9 - 12 program that will give students a one-of-a-kind high school experience. Students will be engaged in unique classes that emphasize hands-on learning, critical thinking, collaboration, creativity and communication. Upon completion of the program, all students will graduate high school and gain an advantage for post-secondary education in related fields. The HSA student experience will be unique both in and out of the classroom. This will include partnerships with post-secondary institutions and local organizations, industry certifications, and opportunities to gain both high school and post-secondary credits. You will also be part of our BJM family and have the opportunity to participate in all of our extra-curricular programs. **We are very excited to be offering U of S Biology 120.3 at BJM! HSA students will be able to take this first year university class in a regular high school classroom, instead of in a lecture theater with 100s of students!**

The Health & Sciences Academy is for students who:

- may be interested in a science or health-care career;
- love science and want a unique and engaging high school experience;
- will embrace a rigorous academic environment;
- want an advantage by getting the opportunity to earn dual credits and university credits.
- want to be more prepared for post-secondary education in the sciences or health-care fields.

Application Process

- Students may apply for entry in grade 9 and 10
- Pick up a registration package at the school or download and complete the application form on our website www.gscs.ca/HSA
- Return your completed application by mail or deliver it to:

*Health & Sciences Academy
Bishop James Mahoney High School
231 Primrose Drive
Saskatoon SK S7K 6Y3*

Application Deadline

- The deadline for the first round of applications is **March 2nd, 2020**.
- Applications received **after 4:00pm March 2nd** will only be considered if the program is not full. If the program is at capacity, late applications will be placed on a waiting list.

Student and Parent Agreement

We understand that the Health & Sciences Academy at BJM is designed for students who are pursuing a science or health-care career. We recognize that attendance and academics are of utmost importance. We understand that enrolment in the Health & Sciences Academy is a privilege and not a right. In addition to grades, attendance and appropriate conduct are mandatory for continued enrolment. Due to the integrated nature of the program, students must demonstrate a significant level of dependability, responsibility and independence. Because of regular interaction with educational institutions, various agencies, future employers, and the general public, any student who is not maintaining acceptable standards may be required to discontinue the program.

My name is _____ and my career goal is to _____

Applicant Signature

Parent/Guardian Signature

Date

Checklist for Application Package

- ___ 1. Copy of most recent report card.
- ___ 2. Attendance record for 2019-20 school year (if not on report card).
- ___ 3. Signed Student and Parent Agreement.
- ___ 4. Written essay (or typed and attached) on why you would like to attend the Health & Sciences Academy.
- ___ 5. Adult reference from a teacher or non-family member; reference must be **signed**, placed in a separate envelope and **signed across the seal**.
- ___ 6. Completed Health & Sciences Registration and Course Selection Card .
- ___ 7. Place all contents in large envelope and mail or drop off at Bishop Mahoney High School.

All applications must be received by 4:00 pm March 2nd.

(Applications received after 4:00 pm March 2nd will only be considered if the program is not full.
If the program is at capacity, late applications will be placed on a waiting list.)

Admission Procedures

The following aspects of the application will be considered: academic achievement, attendance, conduct, and a stated interest in a health-care or science-related career.

Students will be informed of acceptance or non-acceptance in an email by March 18th, 2020. Acceptance is conditional until Health & Sciences Academy staff reviews the student's final report card at the end of June.



BISHOP JAMES MAHONEY HIGH SCHOOL
REGISTRATION FORM 2020-2021

GRADE _____

STUDENT (Enter your name exactly as it appears on your Birth Certificate)

_____ Last Name _____ First Name _____ Second Name

_____ Name by which you are called Male Female Unspecified _____ Student Cell No.

_____ Address _____ Postal Code _____ Student's Home Number

Student lives with Both Parents (same residence) Both Parents (separate residences) Mother Only Father Only Other _____

Birth: _____ Hospitalization Number: _____
 Month Day Year

Religion: _____ Social Insurance Number: _____

_____ Last School Attended _____ City _____ Grade _____ Year

Bishop James Mahoney uses email and phone to communicate with our families. Please provide your:

_____ Preferred Phone Number _____ Preferred Email Address

Bishop James Mahoney has committed to increase First Nation and Metis graduation rates. Your self-declaration will help to achieve this goal by ensuring access to resources for our FNM students to experience greater academic success.

Voluntary Declaration of Aboriginal Status: Does not Apply First Nation Métis Inuit

MOTHER/GUARDIAN INFORMATION: *Please include e-mail address

Last Name: _____ First Name: _____

Home Address: same as student's OR _____ Postal Code _____

Primary phone: _____ Other: _____ **E-mail** _____

Work Place _____ Telephone: _____

FATHER/GUARDIAN INFORMATION: *Please include e-mail address

Last Name: _____ First Name: _____

Home Address: same as student's OR _____ Postal Code _____

Primary phone: _____ Other: _____ **E-mail** _____

Work Place _____ Telephone: _____

EMERGENCY CONTACT INFORMATION (other than Parent or Guardian):

First Emergency Contact Name: _____ Home # _____ Work/Cell # _____

Second Emergency Contact Name: _____ Home # _____ Work/Cell # _____

Medical Information (e.g. allergies, medications, conditions) _____

Date of Registration: _____ Parent/Guardian Signature _____

OFFICE USE: Entered in Maplewood Schedule Entered



BISHOP JAMES MAHONEY HIGH SCHOOL
Health & Sciences Academy Course Selection Card 2020-2021
French Immersion



Name: _____

<p align="center">GRADE 9 HSA <i>Minimum 5 classes in French</i></p> <p align="center">REQUIRED COURSES</p> <p><input type="checkbox"/> English Language Arts 90 <input type="checkbox"/> Français A90 <input type="checkbox"/> Français B90 <input type="checkbox"/> Éducation Chrétienne 90 <input type="checkbox"/> Science Humaines 90</p> <p><input type="checkbox"/> Science 90H <input type="checkbox"/> Mathématiques A90 <input type="checkbox"/> Mathematics B90</p> <p><input type="checkbox"/> Physical Education 90</p> <p align="center">ELECTIVE COURSES (1)</p> <p>_____ Band 90 _____ Beginner Band 90 _____ Arts Education 90 (Visual Arts, Drama, Graphic Arts, Music)</p> <p>_____ Choral 90 - 11th class offered during the noon hour every second day</p>	<p align="center">GRADE 10 HSA <i>Grade 10 Standing: Minimum 8 credits; Minimum 5 credits in French</i></p> <p align="center">REQUIRED COURSES</p> <p><input type="checkbox"/> English A10/ B10/ Advanced <input type="checkbox"/> Français Immersion10 <input type="checkbox"/> Éducation Chrétienne 10 <input type="checkbox"/> Histoire 10</p> <p><input type="checkbox"/> Science 10H <input type="checkbox"/> Fondements des Mathématiques et Précalcul 10 (+2 online units)</p> <p><input type="checkbox"/> Wellness 10 (Boys/ Girls/ Band)</p> <p align="center">HSA ELECTIVES (minimum of 1)</p> <p>_____ Environmental Science & Toxicology 20H _____ Mental Health & Well-Being 20H</p> <p align="center">ELECTIVE COURSES</p> <p>_____ Band 10 _____ Choral 10 _____ Clothing Textiles 10 _____ Commerical Cooking 10 _____ Drafting 10 _____ Drama 10 _____ Guitar 10 _____ Industrial Arts 10 _____ Milieu de travail et formation d'apprentis 10 _____ Photography 10 _____ Visual Art 10/ 10A</p>	<p align="center">GRADE 11 HSA <i>Grade 11 Standing: Cumulative minimum of 16 credits; 8 credits must be at 20 or 30 level; Cumulative minimum 9 credits in French</i></p> <p align="center">REQUIRED COURSES</p> <p><input type="checkbox"/> English A20/ A20 Advanced <input type="checkbox"/> Français Immersion 20 <input type="checkbox"/> Français Integre Immersion 20 <input type="checkbox"/> Éducation Chrétienne 20 <input type="checkbox"/> Histoire 20</p> <p><input type="checkbox"/> Interpersonal Communications 30H/ ICO 291 (SK Poly Dual Credit) <input type="checkbox"/> Health Science 20H/ Medical Terminology 180 (SK Poly Dual Credit) <input type="checkbox"/> Physical Science 20H</p> <p>At least one of: _____ Math Foundations 20 _____ Math Pre-Calculus 20</p>	<p align="center">GRADE 12 HSA <i>Grade 12 Standing: Cumulative minimum of 24 credits; 5 credits must be at 30 level; Cumulative minimum 12 credits in French</i></p> <p align="center">REQUIRED COURSES</p> <p><input type="checkbox"/> English A30/ B30/ AP <input type="checkbox"/> Français Immersion 30 <input type="checkbox"/> Éducation Chrétienne 30 <input type="checkbox"/> Sciences Sociales Immer. 30</p>
<p align="center">GRADE 9 – 12 PROGRAM SUPPORTS</p> <p>Learning Assistance Support</p> <p>_____ LAT Tutorial Sem 1 (non-credit) _____ LAT Tutorial Sem 2 (non-credit)</p> <p>English as an Additional Language Support</p> <p>_____ EAL Tutorial Sem 1 (non-credit) _____ EAL Tutorial Sem 2 (non-credit) _____ EAL Language Course A10 (EAA10L) _____ EAL Language Course B10 (EAB10L) _____ EAL Language Course A20 (EAA20L) _____ EAL Language Course B20 (EAB20L)</p>	<p align="center">HSA ELECTIVES (minimum of 2)</p> <p>_____ Anatomy 30H/ Anatomy 100 (SK Poly Dual Credit) _____ Biology 30H _____ Biology 120.3 U of S (2 periods, must have Biology 30H) _____ Chemistry 30 _____ Computer Science 20 _____ Computer Science 30 _____ Physics 30</p>	<p align="center">ELECTIVE COURSES</p> <p>_____ Band 20 _____ Choral 20 _____ Drafting 20 _____ Drama 20 _____ Graphic Arts 20 _____ Guitar 20 _____ Indigenous Studies 20 _____ Industrial Arts 20 _____ Math Workplace & Apprenticeship 20 _____ Physical Education 20 _____ Visual Art 20/ 20A</p>	<p align="center">ELECTIVE COURSES</p> <p>_____ Band 30 _____ Choral 30 _____ Clothing Textiles 30 _____ Drafting 30 _____ Drama 30 _____ Food Studies 30 _____ Graphic Arts 30 _____ Guitar 30 _____ Indigenous Studies 30 _____ Industrial Arts 30 _____ Law 30 _____ Math Foundations 30 _____ Math Pre-Calculus 30 _____ Math 110 U of S (must have Pre-Calculus 30) _____ Physical Education 30 _____ Psychology 30 _____ Studio Art 30P (Advanced Placement) _____ Visual Art 30/ 30P</p>

Due to the specialized nature of HSA programming, students in French Immersion, Advanced Placement and/or special programs, may be required to enroll in one or more online courses.