



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

Core 90H – (English Language Arts A and B, Catholic Studies 90, Social Studies 90) – 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 class) - 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

_____ Male Female Unspecified _____ Student Cell No.

_____ Name by which you are called

_____ 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



Name: _____

<u>GRADE 9 HSA</u>	<u>GRADE 10 HSA</u> <i>Grade 10 Standing: Minimum 8 credits</i>	<u>GRADE 11 HSA</u> <i>Grade 11 Standing: Cumulative minimum of 16 credits; 8 credits must be at 20 or 30 level</i>	<u>GRADE 12 HSA</u> <i>Grade 12 Standing: Cumulative minimum of 24 credits; 5 credits must be at 30 level</i>
REQUIRED COURSES	REQUIRED COURSES	REQUIRED COURSES	REQUIRED COURSES
<p>Core 90H</p> <input type="checkbox"/> English Language Arts A90H <input type="checkbox"/> English Language Arts B90H <input type="checkbox"/> Catholic Studies 90H <input type="checkbox"/> Social Studies 90H	<input type="checkbox"/> English A10/ A10 Advanced <input type="checkbox"/> English B10/ B10 Advanced <input type="checkbox"/> Catholic Studies 10 <input type="checkbox"/> History 10 or Indigenous Studies 10	<input type="checkbox"/> English A20/ A20 Advanced <input type="checkbox"/> Catholic Studies 20/ 20N Band <input type="checkbox"/> History 20 or Indigenous Studies 20	<input type="checkbox"/> English A30/A30P <input type="checkbox"/> English B30/B30P <input type="checkbox"/> Catholic Studies 30/ 30 N Band <input type="checkbox"/> History 30 or Indigenous Studies 30
<input type="checkbox"/> Science 90H <input type="checkbox"/> Mathematics A90 <input type="checkbox"/> Mathematics B90	<input type="checkbox"/> Science 10H <input type="checkbox"/> Math Foundations Pre-Calculus 10 (+2 online units)	<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	
<input type="checkbox"/> Physical Education 90	<input type="checkbox"/> Wellness 10 (Boys/ Girls/ Band)	<p>At least one of:</p> ___ Math Foundations 20 ___ Math Pre-calculus 20	
<input type="checkbox"/> General Practical Arts 90 (Health, Home Economics, Industrial Arts)			
ELECTIVE COURSES (1)	HSA ELECTIVES (minimum of 1)	HSA ELECTIVES (minimum of 2)	
___ Band 90 ___ Beginner Band 90 ___ Arts Education 90 (Visual Arts, Drama, Graphic Arts, Music)	___ Environmental Science & Toxicology 20H ___ Mental Health & Well- Being 20H	___ 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	
___ Choral 90 - 11 th class offered during the noon hour every second day	ELECTIVE COURSES	ELECTIVE COURSES	ELECTIVE COURSES
	___ Band 10 ___ Choral 10 ___ Clothing Textiles 10 ___ Commerical Cooking 10 ___ Drafting 10 ___ Drama 10 ___ Guitar 10 ___ Industrial Arts 10 ___ Math Workplace & Apprenticeship 10 ___ Photography 10 ___ Visual Art 10/ 10A	___ Band 20 ___ Choral 20 ___ Drafting 20 ___ Drama 20 ___ Graphic Arts 20 ___ Guitar 20 ___ Indigenous Studies 20 ___ Industrial Arts 20 ___ Physical Education 20 ___ Visual Art 20/20A	___ Band 30 ___ Choral 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 ___ Physics 30 ___ Psychology 30 ___ Studio Art 30P (Advanced Placement) ___ Visual Art 30/30P
GRADE 9 – 12 PROGRAM SUPPORTS			
<p>Learning Assistance Support</p> ___ LAT Tutorial Sem 1 (non-credit) ___ LAT Tutorial Sem 2 (non-credit)			
<p>English as an Additional Language Support</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)			

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.