



Health Science Institute Certificate 2019-20

Student Name: _____

Module A: WIC Health Science Institute Courses (complete any four 30 level courses and one AP course)

- Biology 30 course mark _____%
- Chemistry 30 course mark _____%
- Physics 30 course mark _____%
- Psychology 20/30 course mark _____% course mark _____%
- Sports Medicine 15 course mark _____%
- AP Biology 35 course mark _____% AP mark _____
- AP Chemistry 35 course mark _____% AP mark _____
- AP Physics 35 course mark _____% AP mark _____
- AP Psychology 35 course mark _____% AP mark _____
- Sports Performance 15 course mark _____%
- Sports Performance 25 course mark _____%
- Math 30 - 1 course mark _____%

Module B: Health Science and Leadership Core Competency Experiences

Section 1: Interaction with Health Science Community (complete any 7 of the following activities)

Character

- What's Your Blood Type seminar –
- Lifeguarding – Bronze Medallion Certification –
- STARS Air Ambulance site visit –

Citizenship

- RiverWatch (grade 9)
- St. John Ambulance Standard First Aid – CPR C & AED Course (15 hours – grade 9)
- CPR Certification (Level C) – PE 10 (grade 10)

Critical Thinking and Problem Solving

- Heritage Youth Research Summer Program (HYRS)
- Diagnostics Technology (grade 8) – Dr. Sarah Koles
- Eyeball Workshop – Dr. Vivian Hill (grade 8 Science)
- Foothills Radiology Research Lab – Dr. William Morrish & Dr. Mitha
- Tom Baker Cancer Centre Research Lab –
- Ophthalmology Clinic Rockyview Hospital (Surgical Eye procedures) –

Creativity

- Science Challenge (grade 7)
- Innovation Fair (grade 8)
- Hydraulic Challenge - TELUS Spark (grade 8)

Collaboration & Communication

- Direct from the Operating Room – Live Knee surgery TELUS Spark
- Direct from the Operating Room – Live Cataract surgery TELUS Spark
- Direct from the Operating Room – Live Kidney surgery TELUS Spark
- Peter Loughheed Centre – eSIM Workshop
- Regional Fertility Program
- Copeman Healthcare Centre
- TotalCardiology Rehabilitation and Risk Reduction Centre
- Advanced Primary Care Clinic
- VET Care Centre Animal Hospital
- Intensive Care Unit (ICU) Rockyview Hospital Open House
- Operating Room (OR) Rockyview Hospital Open House
- Job Shadow Experience (Grade 12)
 - Dr. Vivian Hill – Ophthalmology
 - Dr. Patrick Gooi - Ophthalmology
 - Ms. Kim Tateson – Rockyview ICU
 - Ms. Brea Lamb – TotalCardiology Rehabilitation and Risk Reduction Centre
 - Other: _____

Section 2: Participation in Leadership Opportunities (complete any 1 of the following leadership activities)

- Sailing Education Adventures (SEA)
- Duke of Edinburgh Award
- Cais Junior Leadership Conference
 - Minden, ONT 2017
 - Minden, ONT 2018
- CAIS Senior Leadership Conference
 - Calgary 2016
 - Toronto 2017
 - Lakefield College 2018
 - Shawnigan Lake School 2019
- Shad Valley
- WIC Swiss Summer School
- WICAA Leadership Role: _____
- WIC Prefect
- WIC Student Council: _____
- Other: _____

Module C: Health Science Clubs and Activities (complete any 5 of the following activities)

Creativity

- Discover Club (grade 7-9)
- Suturing Workshop (grade 9-12)
- F.I.R.S.T. Lego League Robotics Club (grade 7-9)

Critical Thinking & Problem Solving

- St. John Ambulance Babysitting Basics Course (grade 7-9)
- Athletic Training and Sports Science Management
 - Taping sessions #1-4
- Health Science Experiential Learning
 - St. John Ambulance session #1– blood pressure, glucose monitor, epipen & anaphalaxis
 - St. John Ambulance session #2 – splints / burns / choking
 - St. John Ambulance session #3 – Wilderness training
 - St. John Ambulance session #4 – Avalanche safety
- Health Science Journal Club – Adrianna Giuffre
- Ivey Health Science Case Readings
 - Pharmed First Inc.
 - Dr. Jack Perry, DDS
 - Pricing the Epipen: This is Going to String
 - Just Clean Your Hands
- Dental Aptitude Test (DAT) Workshop
- Senior Biology Enrichment Labs

Collaboration & Communication

- Kinesiology 101 – Adrianna Giuffre
- Neuroscience Club – Adrianna Giuffre
- Sports Concussions Club
- Exercise Physiology – Adrianna Giuffre
- Virology & Oncology Seminars – Jason Spurrell

Module D: Post-Secondary experiences at University of Calgary (complete any 3 activities)

- University 101 (**mandatory**)
- University of Calgary Health Sciences Library Tour – Helen Lee Robertson (grade 10-12)
- Roger Jackson Centre for Health and Wellness Open House (grade 10) – hit and miss / date?
- Hotchkiss Brain Institute (Neuroscience) Brain Bee Club & Competition (grade 10-12) –
- Health Sciences Discovery Day – University of Calgary (grade 11-12)
- Youreka Canada – higher level scientific inquiry (grade 10-12) –
- Heritage Youth Research Summer Program: HYRS (grade 11)
- Operation Medical School (grade 11-12) –
- Project Pulse Health Sciences Conference (grade 10-12)
- Synapse YYC Neuroscience Symposium
- Meet U of C / WIC alumni - _____

Other Health Science related experiences:

Health Science related books / magazines / websites explored:

Which post- secondary institution do you plan on attending and the program will you enter?

Institution: _____

Program: _____