



## Health Science Institute Certificate 2017-18

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 Experience

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

- Science Challenge (grade 7)
- Telus Sparks Science Center
  - Hydraulic Challenge (grade 8)
  - Direct From the Operating Room – Live Knee Surgery (grade 10 - 12)
  - Direct From the Operating Room – Live Cataract Surgery (grade 10-12)
  - Body World Gallery (grade 10)
- Eyeball Workshop – Dr. Vivian Hill (grade 8 Science)
- Innovation Fair (grade 8)
- Diagnostics Technology (grade 8) – Dr. Sarah Koles
- Canadian Blood Services
  - What's Your Blood Type seminar (grade 9-12)
  - Blood Donor Drive (grade 12)
- RiverWatch (grade 9)
- PARTY Program (grade 9)
- St. John Ambulance Standard First Aid – CPR C & AED Course (15 hours – grade 9)
- CPR Certification (Level C) – PE 10 (grade 10)
- Heritage Youth Research Summer Program (HYRS)
- Lifeguarding - Bronze Medallion Certification
- Health Science Site visits (grade 10-12)
  - STARS Air Ambulance – Nurse Patricia Jeffery
  - Foothills Research Lab / Radiology Clinic – Dr. William Morrish & Dr. Mitha
  - Peter Loughheed Center – eSIM Workshop – Nurse Bobbi Johal
  - Regional Fertility Program – Dr. John O'Keane

- Copeman Healthcare Centre -
- TotalCardiology Rehabilitation and Risk Reduction Centre – Brea Lamb
- Advanced Primary Care Clinic – Dr. Tran
- VET Care Centre Animal Hospital
- Tom Baker Cancer Centre
- Job Shadow Experience
  - Dr. Vivian Hill – Ophthalmology
  - Ms. Bobbi Pascal – Peter Lougheed Hospital eSIM Unit
  - Ms. Kim Tateson – Rockyview ICU
  - Ms. Brea Lamb – TotalCardiology Rehabilitation and Risk Reduction Centre
- Rockyview General Hospital site visits (grade 10-12)
  - Intensive Care Unit (ICU) Open House
  - Ophthalmology Clinic (Pig Eyeball Dissection)
  - Operating Room (OR) Open House

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

- Sailing Education Adventures (SEA)
- Duke of Edinburgh Award
- CAIS Leadership Conference
  - Calgary 2016
  - Montreal 2017
  - Lakefield College, ONT 2018
- Shad Valley
- WIC Swiss Summer School
- WICAA / Student Council Leadership Role: \_\_\_\_\_
- WIC Prefect
- Other: \_\_\_\_\_

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

- Discover! Club (grade 7-9)
- St. John Ambulance Babysitting Basics Course (grade 7-9)
- Athletic Training and Sports Science Management (grade 9-12)
  - Taping session #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 Speaker Series (grade 10-12)
  - Physician (Radiology) – Dr. William Morrish
  - STARS Flight Nurse – Patricia Jeffery
  - Fentanyl – Detective Colin Harris
  - Plastic & Reconstructive Surgery – Dr. Kimberley Sass
  - Mental Health & Wellness – Ryley Essington
- Health Science Journal Research Club – Adrianna Giuffre (grade 10-12)
- Kinesiology 101 – Adrianna Giuffre (grade 9-12)

- Neuroscience Club – Adrianna Giuffre (grade 9-12)
- Exercise Physiology – Adrianna Giuffre (grade 9-12)
- F.I.R.S.T. Lego League Robotics Club (grade 7-9)
- Suturing Workshop (grade 9-12)
- Dental Aptitude Test (DAT) Workshop (grade 9-12)
- Ivey Health Science Case Readings (grade 10-12)
  - Pharmed First Inc.
  - Dr. Jack Perry, DDS
  - Pricing the Epipen: This is Going to String
  - Just Clean Your Hands
- Sports Concussions Club (grade 9-12)
- Science Enrichment Labs (grade 11-12)
- Biology 20 and Science 10 Extension Labs (grade 10)
- Virology / Oncology Seminars (grade 10-12)
- Let's Talk Science Workshops (grades 10-12)
  - Let's Not Go Viral (offsite)
  - Gene Therapy (offsite)

**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)
- Neuroscience Clinical Research (Brain Computer Interface – BCI & Healthy Infants & Children Clinical Research Program – HICCUP) (grades 10-12)
- Hotchkiss Brain Institute (Neuroscience) Brain Bee Club & Competition (grade 10-12)
- Health Sciences Discovery Day – University of Calgary (grade 11-12)
- Heritage Youth Research Summer Program: HYRS (grade 11)
- Foothills Anatomy Wet Lab (grade 11 & 12)
- Operation Medical School Conference (grade 10-12)
- Project Pulse Health Sciences Conference (grade 10-12)
- University of Calgary Health Sciences Case Competition
  - April 2016 (Dr. Tish Doyle-Baker)

**Module E: Community Service Learning (Optional)**

- Healthy Infants and Children Clinical Research Program (HICCUP)

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: \_\_\_\_\_

