

Welcome!



Principal for SNP STEAM Academy
Zandra Bear-Lowen

snpolytechnic.com

Setting the Course Ahead!

Agenda

- Introduction to SNP
 - SNP STEAM Academy
 - SNP STEAM Academy Staff
- Support services and resources
- Online Learning
- Dual credit program
- Land Camp
- Extra-curriculars
- D2L Measurements
- Student Expectations
- Questions

Hodinohsó:ni'

Values of Ga'nigohí:yo: / Ka'nikonhrí:io

FAIRNESS

(geḏeḏḡhsra') (kentenrónhshera) (odihwagwaihshyo)

SHARING

(degaihwakahsḡhsra') (aterihwakhahsióhshera) (adḡnide:sä:)

HONESTY

(odrihwagwaihsḡhsra') (aterihwakwarihsióntshera) (gaya'da:denih)

KINDNESS

(adḡnidéḡhsra') (ateniteróntshera') (adḡnide:sä:)

CONFIDENTIALITY

(adrihwahséhḡhsra') (aterihwahsehtónshera') (gaihwahséhdih)

CONSISTENCY

(oihwadóḡhsra') (aterihwatokéntshera') (gaihwadó:gḡh)

INTEGRITY

(oya'dawádḡhsra') (atkwenióntshera') (ganihgḡhewa:nḡ)

RESPONSIBILITY

(adrihḡdá:tsra) (aterihontátshera) (gaihwayḡdáhḡwih)

RESPONSIVENESS

(adehsrḡníhsḡhsra') (kariwahserakwáhshera') (gaihwasa:gweh)

COOPERATION

(gayenawáhshra') (kaienawáhshera') (gayenawáhsä)

OPENNESS

(ganhodḡgwḡhsra') (kanhotonkwénhshera') (ganigohí:yok)

TRUSTWORTHINESS

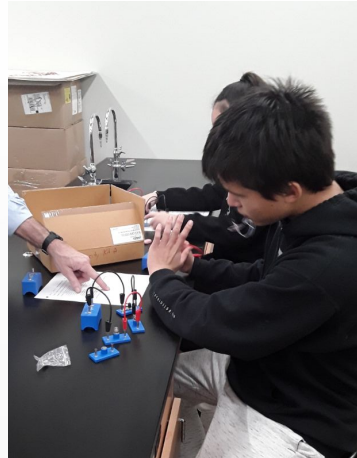
(oihwadóḡhsra') (tekaniahesénhtshera') (hoyada:de:ni)

Six Nations Polytechnic (SNP)

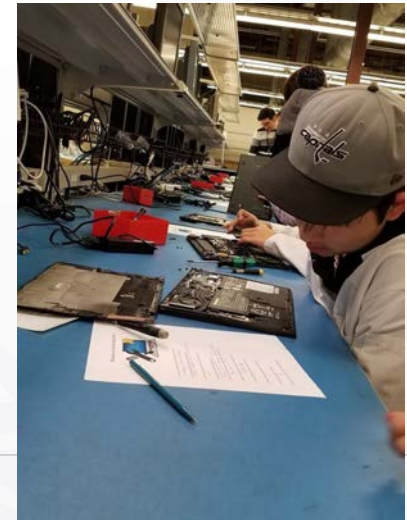
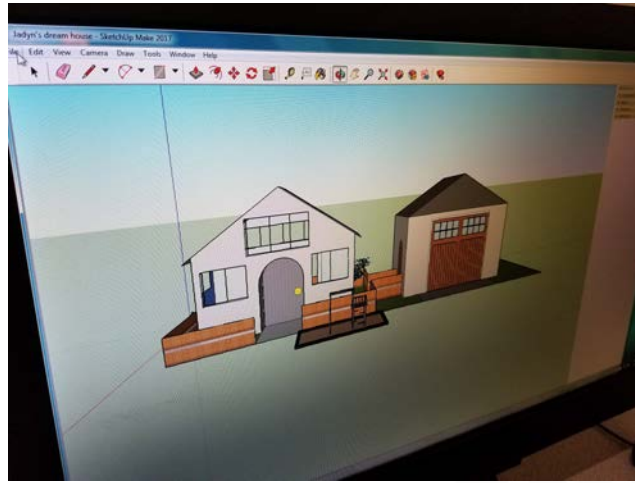
- ★ An Indigenous institution that follows and embeds the Hodinohso:ni values throughout our standards and expectations
- ★ Lead by a long standing leader in the Indigenous Education environment

Science

T E A M



S Technology E A M



S T Engineering A M



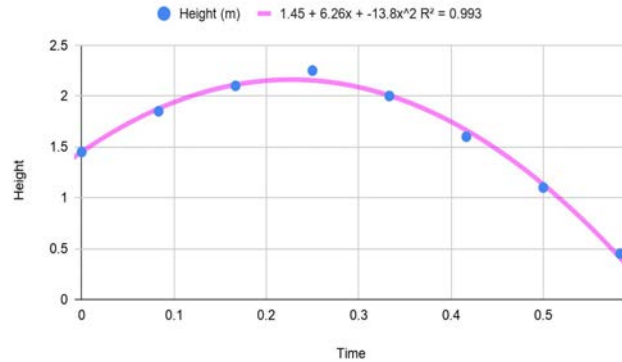
STEM Arts M



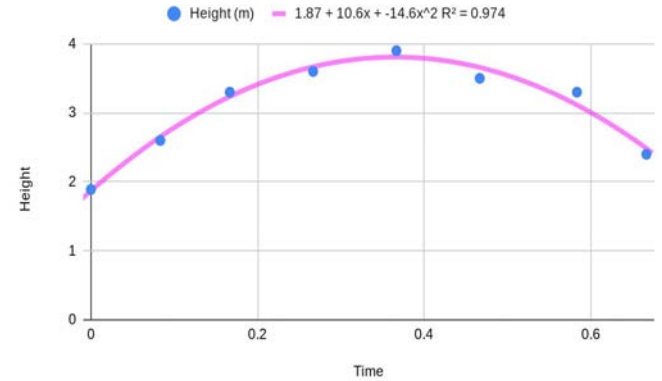
STEAMath



Time (m) and Height (m)



Time (m) and Height (m)

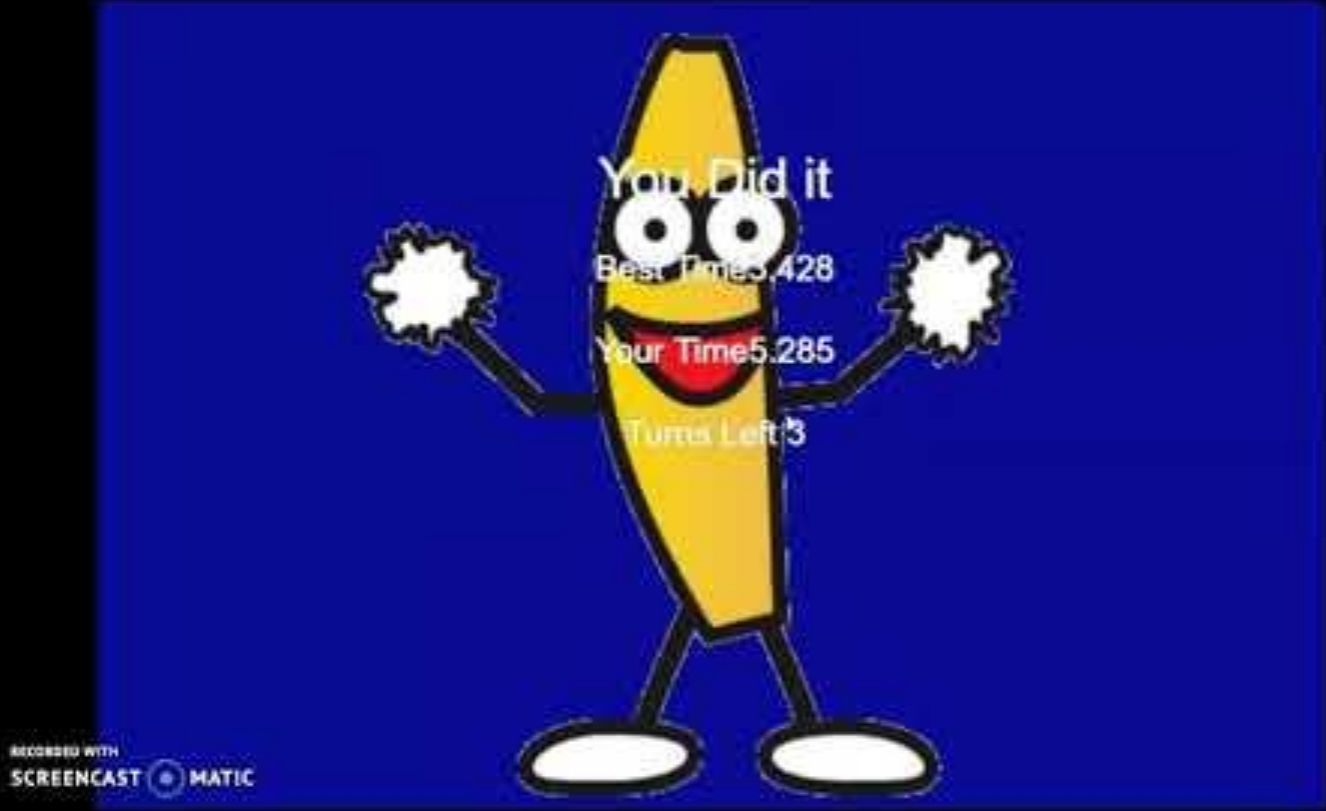


STEAMath

A screenshot of a math application interface. The top bar contains a plus sign, navigation arrows, a settings gear, and a close button. Below the bar, there are two input fields. The first field contains the text "Change two numbers in the row below to fix the Martreskide" and has a close button. The second field contains a blue icon and the equation $y = (x-7)^2 + 3$ and also has a close button. The main area of the application is a coordinate plane with a grid. The x-axis and y-axis are visible, with tick marks and labels. The x-axis has labels for -6 and -4. The y-axis has labels for -4 and -2.

Recorded with
SCREENCAST  MATIC

S
T
E
A
Math



RECORDED WITH
SCREENCAST  MATIC

SNP **STEAM** Academy Team

- ★ 5 administrators
- ★ 15 teachers
- ★ 7 EA's
- ★ 2 Social Counselors
- ★ Learning Resource Teacher
- ★ Community Cultural Coordinator

SNP STEAM Academy

- ★ Class sizes can range from 3 to 25
- ★ Every student receives a Chromebook and is supported with any IT issues



SNP **STEAM** Academy Lockers

- ★ Locks are given out at the beginning of the year with an assigned locker from your Homeroom teacher/period 1 teacher

SNP STEAM Academy

We are planning for quads in September:

1. Online
2. Blended

Once plans are finalized communications will go out to parents and posted on the SNP website.

SNP **STEAM** Academy Dual credit program

- In partnership with Mohawk College, students can optionally earn a Software Engineering Technician Diploma (SETD)
- Students can begin dual credit courses in Grade 10 and in five years, can earn **both** their Ontario Secondary School Diploma (OSSD) and the SETD
- This is supported by a team of engineers and knowledgeable technology experts from our partners at IBM

SNP STEAM Academy Land Camp

- Land camp is grounded in Hodinohs:ni culture and language gives students the opportunity to connect with the land, staff and students
- It can be taken in the summer between grades 9 and 10 to assist with earning a credit towards graduation









SNP STEAM Academy Learning Skills

- Study skills
 - Homework habits
- Note taking
- Organization skills
- Time management
- Communication
 - Healthy & positive relationships
 - Self advocacy
- Critical Thinking
- Problem Solving - Resilience
- Stress management/Self care

SNP **STEAM** Academy Extracurriculars

Clubs/Events

Student Council
Creative Expressions Club
Chess Club
Dungeons and Dragons Club
Fantasy Hockey
ESports - video game
Jam sessions
Robotics
Gardening and Horticulture

Sports/Teams

Golf
Cross Country
Tennis
Basketball intramurals
Wrestling
Powerlifting
Volleyball intramurals
Tom Longboat Run
Track and Field
Badminton
Lacrosse

Brainstorm Robotics Team 7509

IDC3O - Robotics Course

Join the Robotics Team!



2020 First Robotics Competitions:

*McMaster University
University of Waterloo
Provincial Championships (?)
World Championships (?)
and STEMley Cup*

Take the Robotics Course!

All are welcome!





**Stemley Cup
Champion in
2019 as
well!**

*Not rookies any more but
still awesome!*

**Brainstorm
Robotics 7509**

Stemley Cup Champion 2018!

*Not bad for a
rookie team!*

***STEAMTeam
Robotics 7509***







2018 **WPC** FLORIDA-USA
WORLD POWERLIFTING
Championships













Wrestling



Design 2 Learn (D2L)

Content Quizzes Assignments Discussions Classlist Class Progress Grades Quick Eval Course Admin More ▾

Period 4 Information and Communication Technology Grade 10 Open

Announcements ▾

Semester 1 Wrap-Up ▾

Posted Jan 28, 2020 8:29 AM

Please make sure you submit any outstanding assignments as soon as possible!
Semester 1 officially finishes by the end of the day today!

Activity Feed ▾



Create a post...

Latest Posts



Me • Jan 27, 2020



D2L

Upcoming Work

0

Demo doesn't have any work due in the next 2 weeks.

[View all work](#)

Recent Grades

6

- Quiz Tabby's Sandbox 99 %
- mid term grade Heidi's Sandbox Not Meet...
- Sample Grade Fusion Presentation Level 4
- Simulation Quiz D2L Student Training 100 %

[View all grades](#)

Portfolio Items



Collected 8/31/2018 8:49 AM

[View all portfolio items](#)

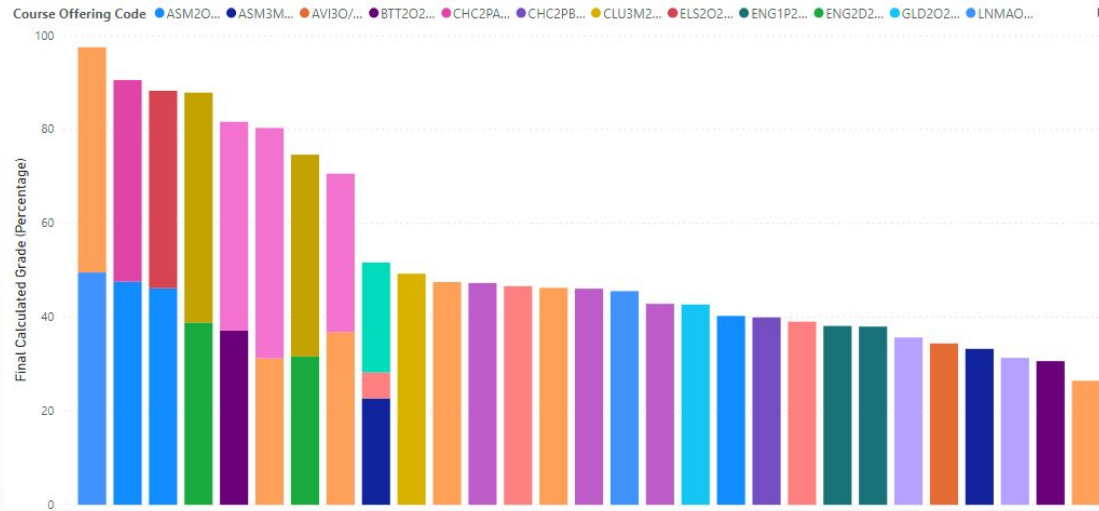
Latest Posts



Message • Aug 28, 2019 2:58 PM

Reminder

D2L - Credit Monitoring - Regular data hub checks identify students who are experiencing difficulty in a particular area of study. This allows the team to be proactive in supporting all of our students.



Student Expectations

snpolytechnic.com

Credits

You can pick up a sheet in the office to explain exactly which credits you need. It even has handy checkboxes so you can track your progress.

It looks like this:

Ontario Secondary School Diploma (OSSD)

Requirements

Students need the following in order to graduate (**30 credits total**)

18 Compulsory Credits:

- 4 English credits – 1 credit per grade
- 3 Mathematics credits – 1 of these credits must be in Grade 11 or 12
- 2 Science credits
- 1 Native Language credit (or French from another school)
- 1 Canadian History credit (Grade 10)
- 1 Canadian Geography credit (Grade 9)
- 1 Arts credit (Visual Art, Drama, Dance, or Music)
- 1 Health and Physical Education credit
- .5 Civics credit (Grade 10)
- .5 Career Studies credits (Grade 10)

Plus one additional credit in:

- Group 1: Canadian and World Studies, English, FNMI Studies, Guidance and Career Education, Native Languages, Social Sciences and the Humanities, or Cooperative Education.*
- Group 2: The Arts, Business Studies, Health and Physical Education, or Cooperative Education.*
- Group 3: Science (Grade 11 or 12), Computer Studies, Technological Education, or Cooperative Education.*

Plus:

- 12 elective credits selected from a menu of available courses
- 40 hours of community involvement
- Completion of the Ontario Secondary School Literacy Requirement

*A maximum of 2 credits in Cooperative Education may be used to meet the additional compulsory credit requirements of Groups 1, 2 or 3.

SIX NATIONS CAMPUS
2160 Fourth Line | P.O. Box 700
Ohsweken, Ontario | N0A 1M0
1 519 445 0023

BRANTFORD CAMPUS
411 Elgin Street
Brantford, Ontario | N3S 7P5
1 226 493 1234

snpolytechnic.com/steam

Compulsory Credits

In each grade you'll need these compulsory credits:

Grade 9	Grade 10	Grade 11	Grade 12
English Mathematics Science Geography Art Healthy & Phys. Ed.	English Mathematics Science History Civics/Careers	English Mathematics	English

If a student fails a compulsory credit in a specific grade, they will need to select that course to take again either during the summer (if available) or the next school year.

Course Selection

Individual Pathway Plan IPP Methods:

Starting with Courses

Add courses you would like to take to your high school plan, and then research what programs you can take after high school with the courses you're interested in, or;

Starting with Careers

Research careers you're interested in and work backwards to see what you need in order to get into those careers.

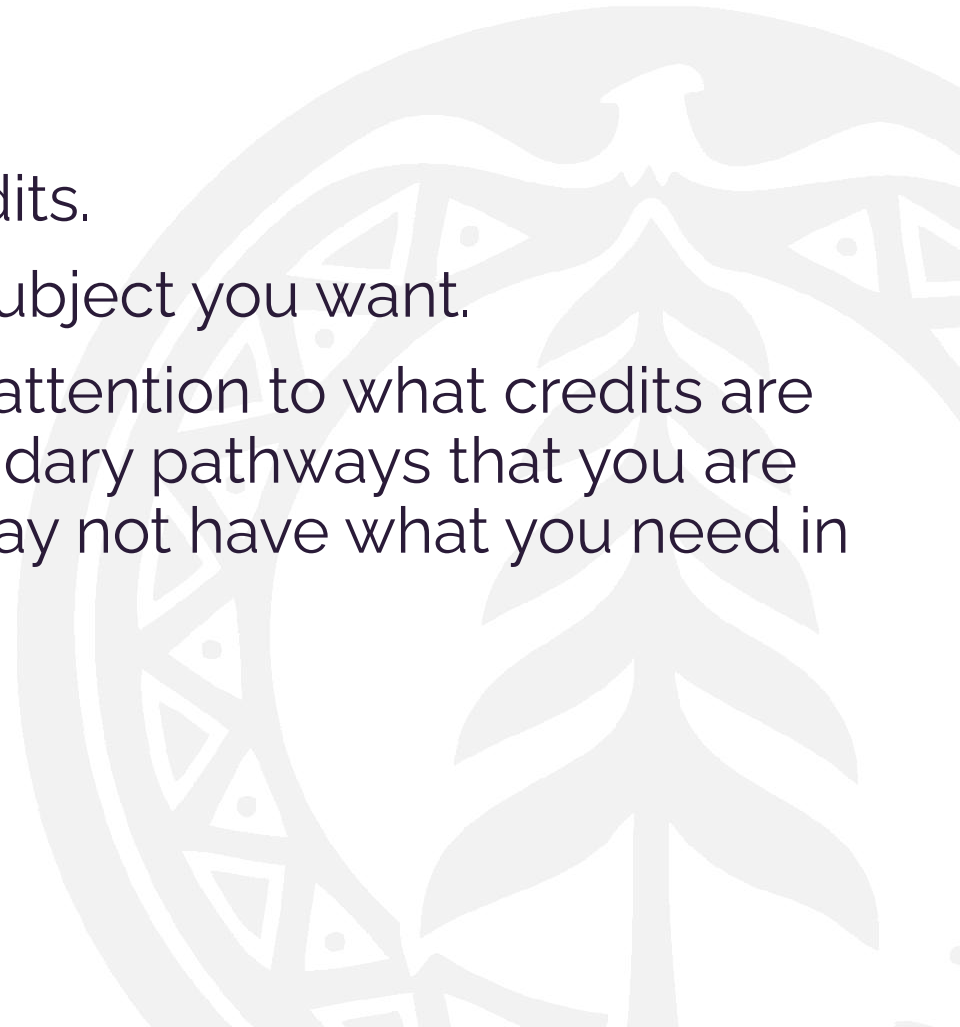
Change of courses can happen during the first week of school.

Elective Credits

You also need 12 **elective** credits.

These can be courses in any subject you want.

However, you will want to pay attention to what credits are needed to get into post-secondary pathways that you are interested in, otherwise you may not have what you need in order to do what you want.



Community Involvement

As part of earning your OSSD you are required to get involved and become an active member of your community!

You will need 40 hours or if you pace yourself an hour every month of school, 10 months a school year = 10 hours for one school year

These activities need to be recorded and you need a supervisor's signature so the school can verify them.



We are continuously improving to embed language and culture into the school and curriculum with the supports of technology.

**SNP STEAM Academy is
redesigning education
for life success.**

Nya:weh

Thank you

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