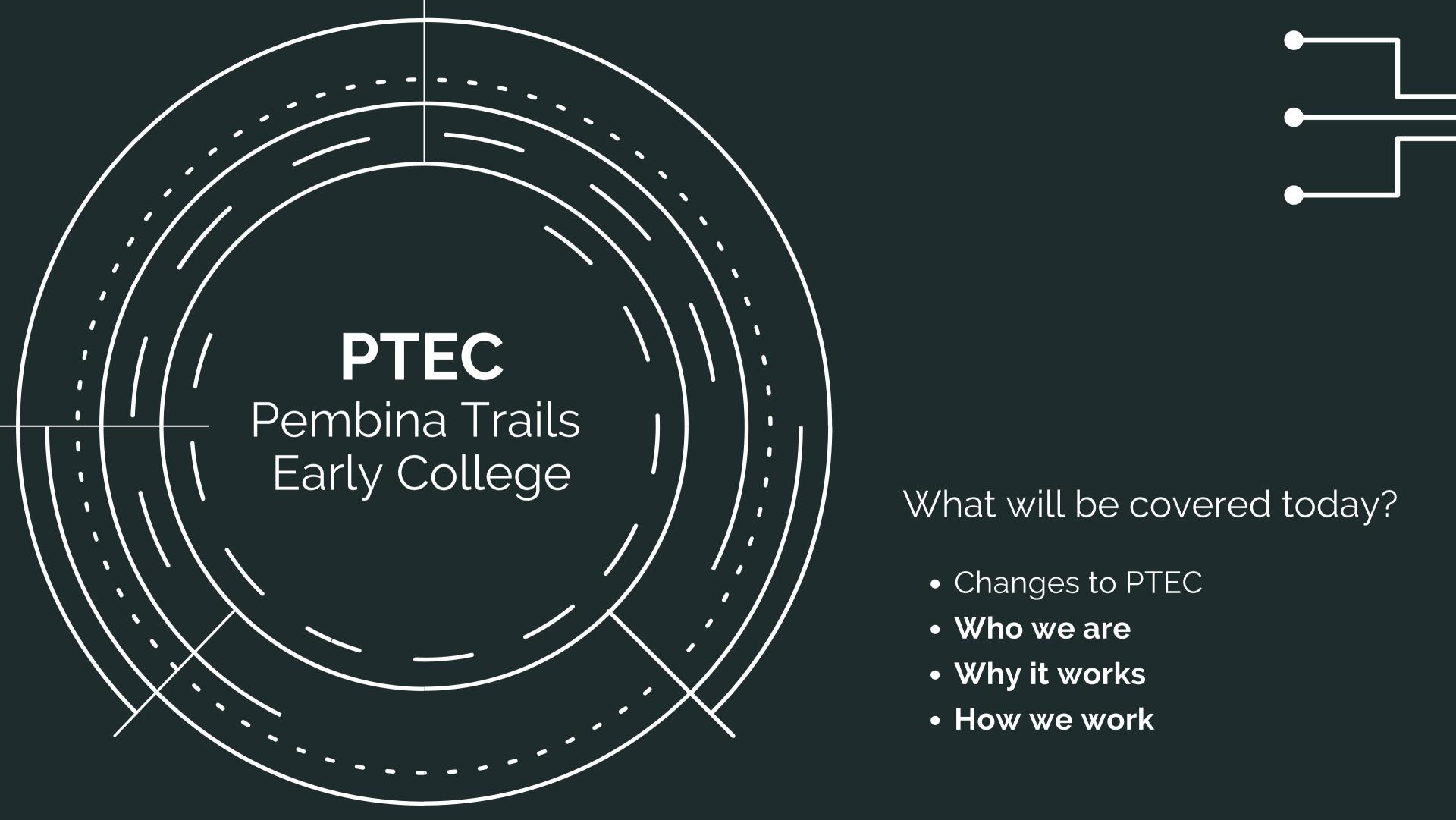
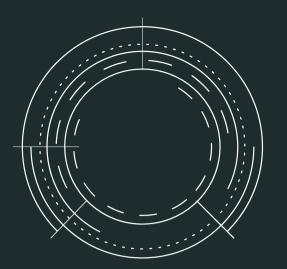
PIEC

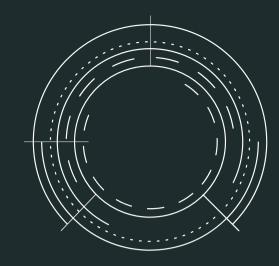
Pembina Trails Early College

The pathway to PTEC Information Sessions 2023

Presented by Ms. J. Bachart Principal







Pembina Trails Early College (PTEC) is a program that has been specifically designed through collaboration with industry involvement, Pembina Trails Collegiate, and the Manitoba Institute of Trades and Technology.

By delivering accelerated programming in the sought-after technical streams of software development, cyber defense, and networking, our program has created a comprehensive and authentic experience for students who are interested in the digital world as a career.

PTEC

Pembina Trails Early College

- High-tech program
- Combination of High School, College and Industry
- Grades 9-12
- Over 130 students enrolled
- Graduate with a high school diploma and a post-secondary diploma
- Gender parity



2018 / 2019



2020 / 2021



2022 / 2023



2019 / 2020



2021 / 2022



2023 / 2024



HIGH SCHOOL

Students accepting a seat at <u>PTEC must</u> enroll at <u>Pembina Trails</u> <u>Collegiate</u>, as well.

Students accepting a seat at PTEC must find personal transportation to get to and from PTC and MITT.

Students accepting a seat at PTEC understands that PTC is an English school and there is not option for French Immersion.

PTEC PROGRAM

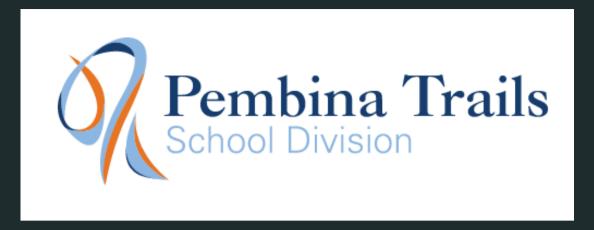
Students accepting a seat at PTEC will spend their high school time at PTC, exclusively.

High tech courses are taught at PTC in grades 9 and 10, and then students will transfer to MITT for grades 11 and 12 in either one of two streams: Software Devloper or Networking and Systems Admin.

TECH MANITOBA

Students in grades 9 and 10 at PTC/PTEC are introduced to technical experts in the IT field and engage in mentorship and collaboration in grade 10.

Students in grades 11 and 12 at PTC/MITT continue to collaborate with tech leaders and grow their technical resume and presence as they prepare for industry.



PEMBINA TRAILS COLLEGIATE

50 FrontierTrail | Winnipeg, MB R3Y 2H1 | 204.489.8989 www.pembinatrails.ca/ptcollegiate



Start Here To Get There





WHY IT WORKS? = Beliefs and Culture









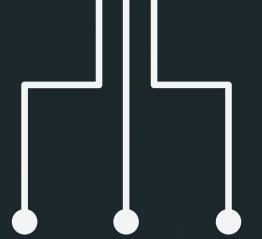








Acadia Junior High School Arthur A. Leach School **BISON RUN School Ecole Charleswood School Ecole South Pointe School** Ecole Van Walleghem School **Ecole Viscount Alexander School** General Byng School Henry G. Izatt School Laidlaw School Linden Meadows School River West Park School Westdale School



divisional device

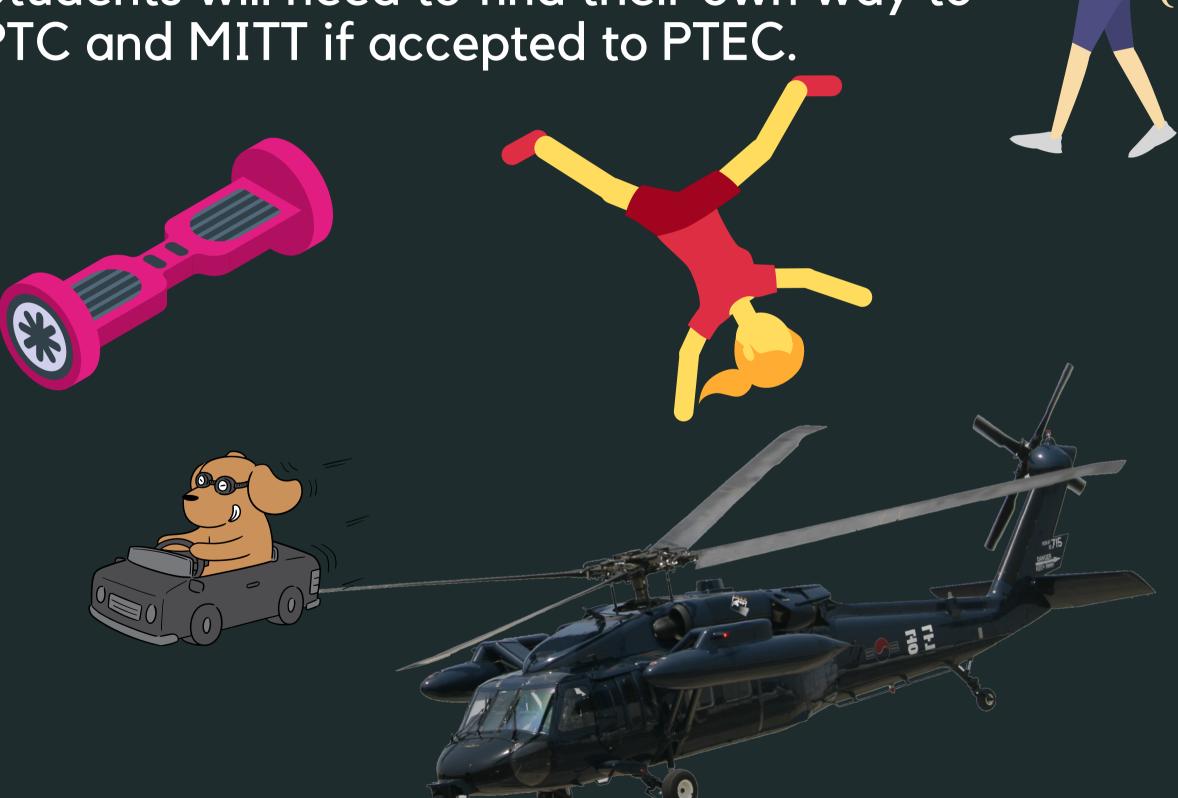
During your time at PTEC (grade 9 and 10) students will have access to divisional devices to support their learning.

In grades 11 & 12 students will have to save for a more robust machine to build their dreams!



ransportation

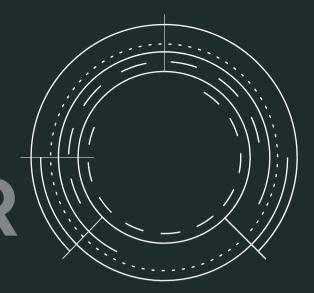
Students will need to find their own way to PTC and MITT if accepted to PTEC.





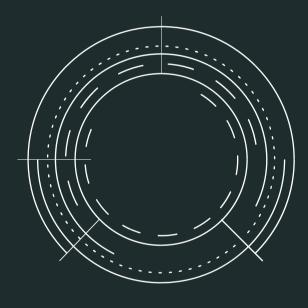


What you learn IN SOFTWARE DEVELOPER in Grades 9 and 10

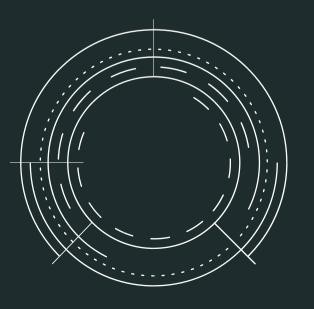


JavaScript



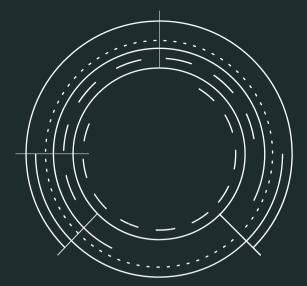


C# & Java



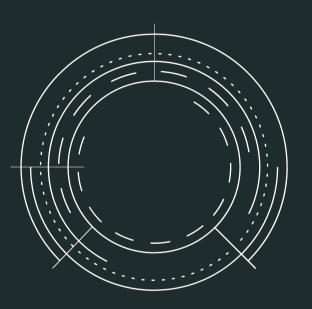
HTML & CSS

What you learn in CYBER AND NETWORKING in grades 9 and 10

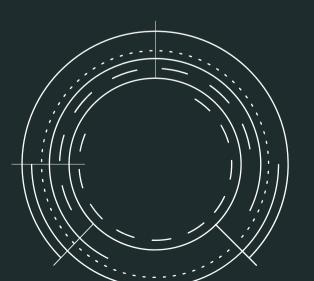


Cisco's Networking Essentials

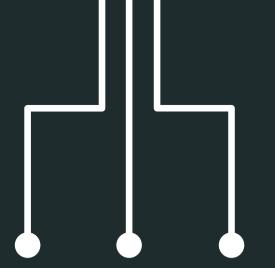




Cyber Security



Cisco's IT Essentials



Python

A general programming language used commonly with machine learning

Blender

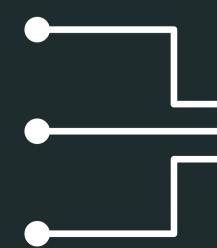
Free and open source 3D creation suite used for 3D modelling and animation

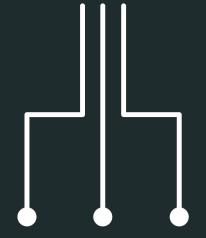
Adobe Creative Cloud Suite

Creative Cloud is a collection of 20+ desktop and mobile apps and services for photography, design, video, web, UX and more

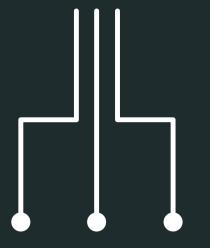
Lua

a high-level, multi-paradigm programming language designed primarily for embedded use in applications like Roblox





EXTRA-CURRICULAR



eSports

- League of Legends
- Rocket League





D&D

We have a virtual and in-person D&D club that plays every Tuesday



Games Club

Every Wednesday we play Super SmashBros and ultimately have a final tournament



Cyber Patriot

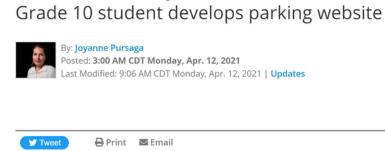
We have over ten teams that compete with people around the world, every Tuesday and Thursday

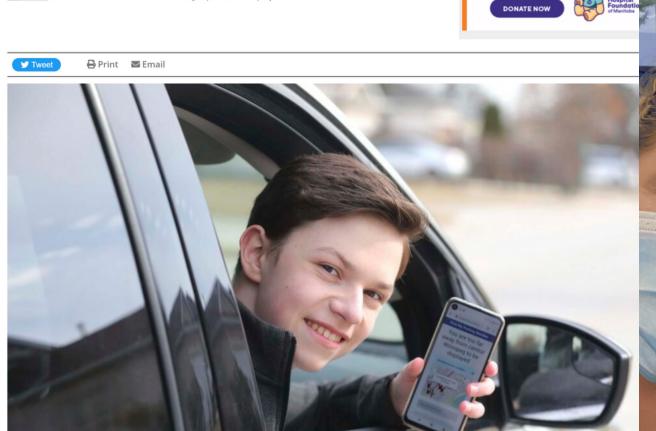


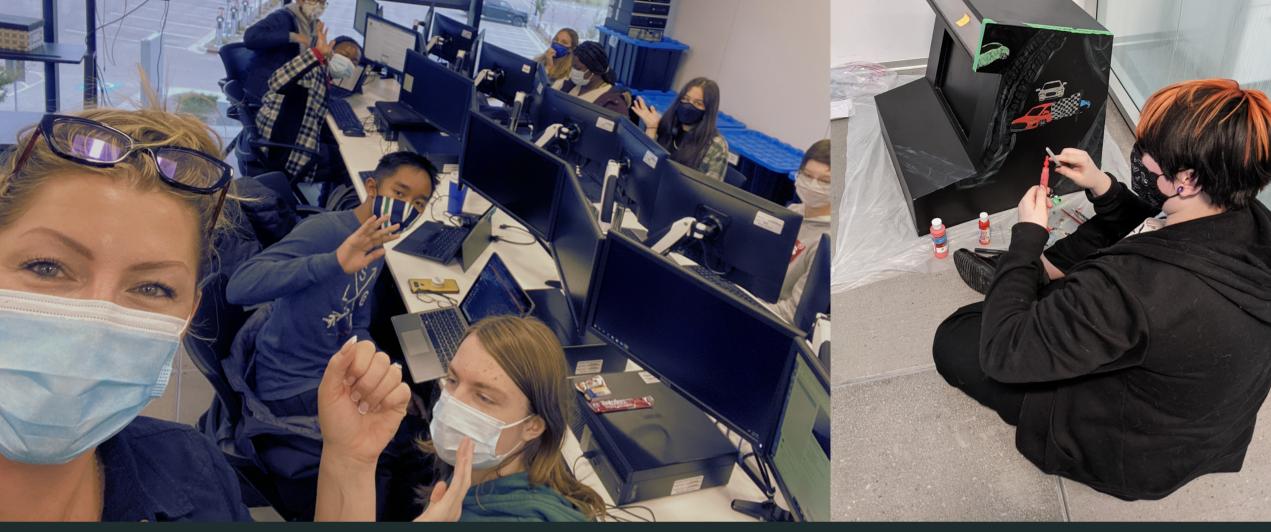
PTC

Your school will have alternative activities that you can join during lunch hour or after school - stay tuned

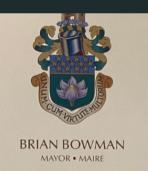








And in other news



December 6, 2021

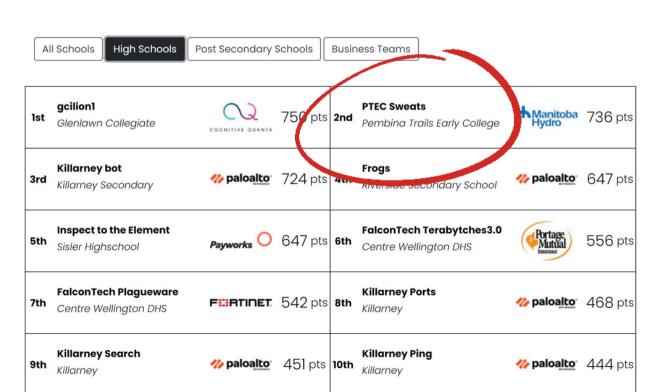
Jane Bachart Pembina Trails Early College 181 Henlow Bay Winnipeg MB R3Y 1M7

Dear Jane,

I am writing to thank you for your contribution to Winnipeg being named the World's Most Intelligent Community. Your participation in interviews and submissions for Winnipeg's Intelligent Communities Forum submission is deeply appreciated and played a significant role in our city earning this prestigious global recognition. But most meaningful - and appreciated - of all, is your commitment to Winnipeg. You have demonstrated early faith in our potential as an intelligent global city, and in doing so, have been key to securing this historic designation as the Most Intelligent Community in the World. It is a title belonging to all of us, but especially to you. Congratulations!

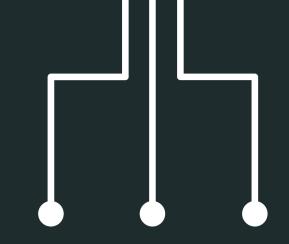


Scores posted are a combination of Technical points and Business points earned through reports or presentations





PTEC PARTNERS and their ROLES









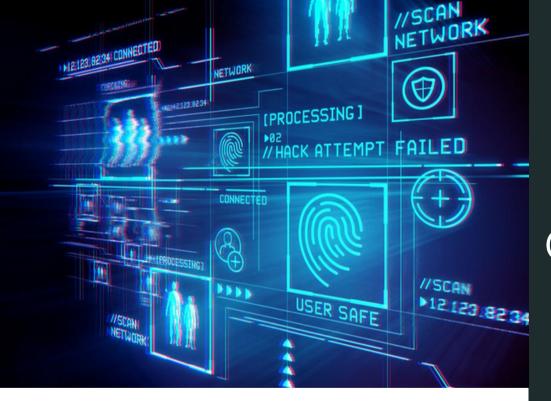
GRADEs 11 & 12 @ MITT

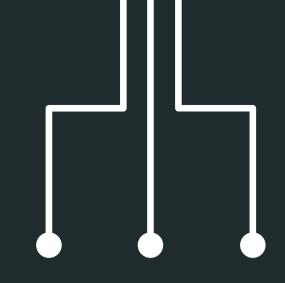
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01 Software Developer

- junior full stack developer
- development of front-end and back-end software systems

02 Networking & Systems Admin

- perform IT network analysis
- identify anomalous activity and potential threats
- perform virtualization and secure integration of cloud services into existing IT infrastructures

Software Developer

MULTIPLE LOCATIONS

Microservices Developer

Software Eng — ARE YOU READY to step up and take your technology expertise to...

Posted more than 1 month ago

MULTIPLE LOCATIONS

Senior Full Stack Developer

Software Eng — ARE YOU READY to step up and take your technology expertise to...

Posted more than 1 month ago

CANADA ONTARIO - MISSISSAUGA

Application Developer Architect

Business & Technology Integration — We are:Accenture's SAP practice, and we...

Posted more than 1 month ago

CANADA QUEBEC - MONTREAL

Front-End Web Developer

Business & Technology Integration — We are: Accenture Song accelerates growth...

Posted more than 1 month ago

MULTIPLE LOCATIONS

Industry X Manufacturing Execution Systems (MES) Programmer, Consultant

Engineering & Networks — We are:Looking to be part of a...

Posted 3 days ago

MULTIPLE LOCATIONS

Senior Functional Designer

Software Eng — ARE YOU READY to step up and take your technology expertise to...

Posted more than 1 month ago

MULTIPLE LOCATIONS

AWS Technical Architect

Technology Arch — Are you ready to step up to the New and take your technology...

Posted 3 days ago

MULTIPLE LOCATIONS

Appian Digital / Process Automation Architect

Business & Technology Integration — Do you wish to redefine yourself in this post-...

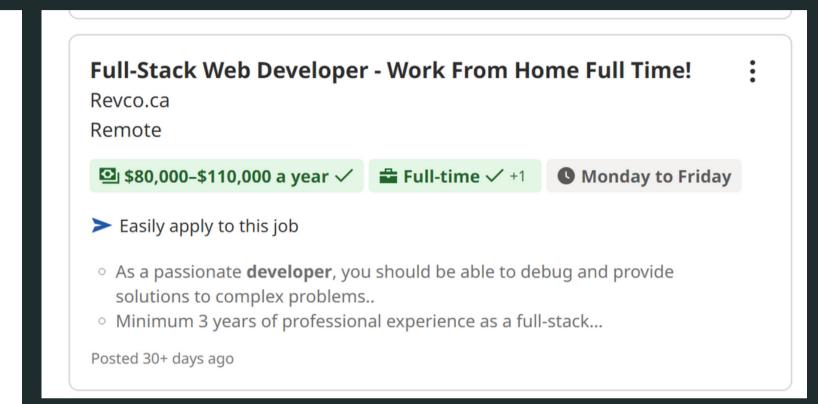
Posted more than 1 month ago

MULTIPLE LOCATIONS

ServiceNow Technical Architect

Technology Arch — We are Accenture — a global professional services organization...

Posted 6 days ago



Full Stack Developer

Clarity.ca Inc.

Remote

5 \$70,000–\$90,000 a year

Fixed term contract

8 hour shift +1

- Easily apply to this job
- In this role, you will report to the teams' project manager and our senior software developers will provide mentoring for technical issues and standards.

Active 1 day ago

Networking and Systems Administrator

Systems Administrator

Keeran Networks

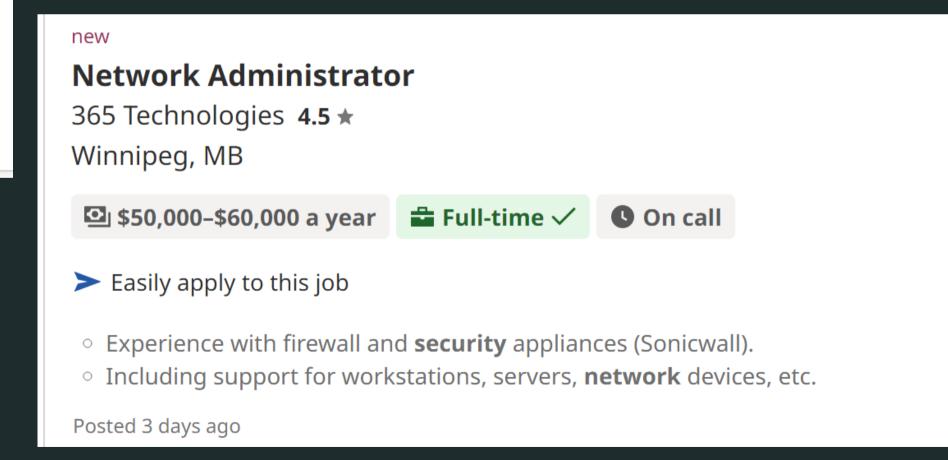
Remote +1 location

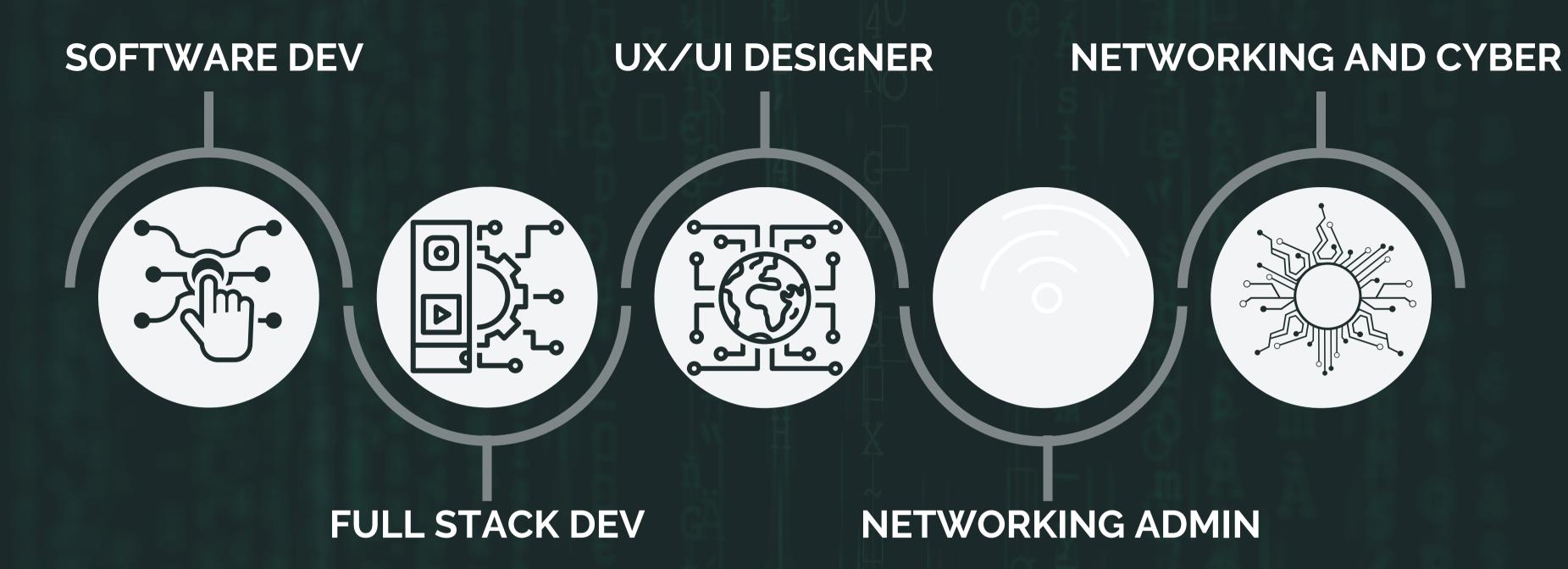
\$75,000-\$90,000 a year



- At least 4 years experience with Networking and Server security.
- Provide complete support for client environments including hardware, operating systems, line of...

Posted 19 days ago

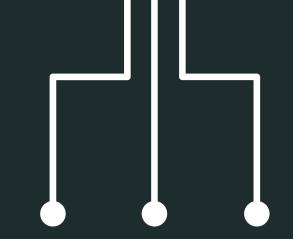






Canada's Growth Currency: Outlook 2023 ICTC Report







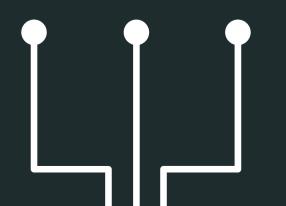




Industry in the classroom Grade 9









Project-based

mentorship

Grade 10

Oxygen

MENTORSHIP

Building your career in Tech Grade 11

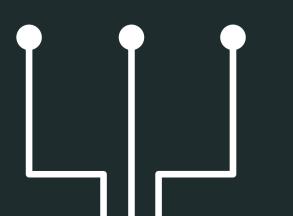
AGI
Bitspace
Bold
City of Winnipeg
College of Physicians
Fannex
Farmers Edge
Friesens Corporation



INTERNSHIP Grade 12

MNP
NSD Tech
Permission Click
Price Industries
Province of Manitoba
Saber Blitz
Secure Retail POS Systems
Sightline Innovations
Skyline Aviation
SYNC Digital Solutions

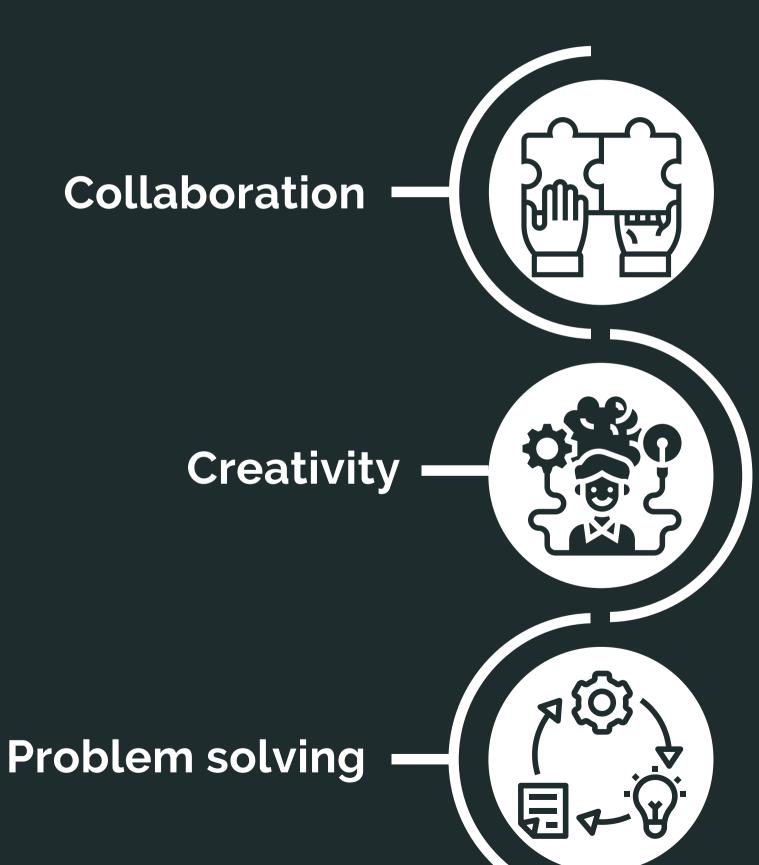


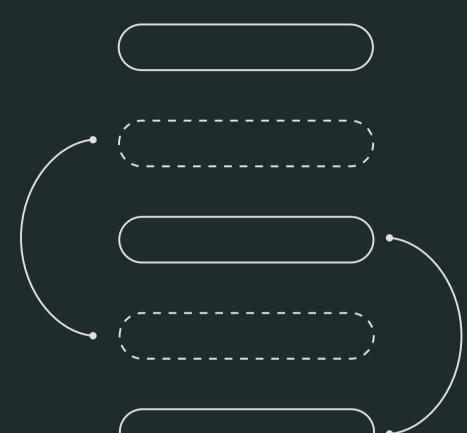


OUR STUDENTS & how to be one of our students

PTEC students focus on:







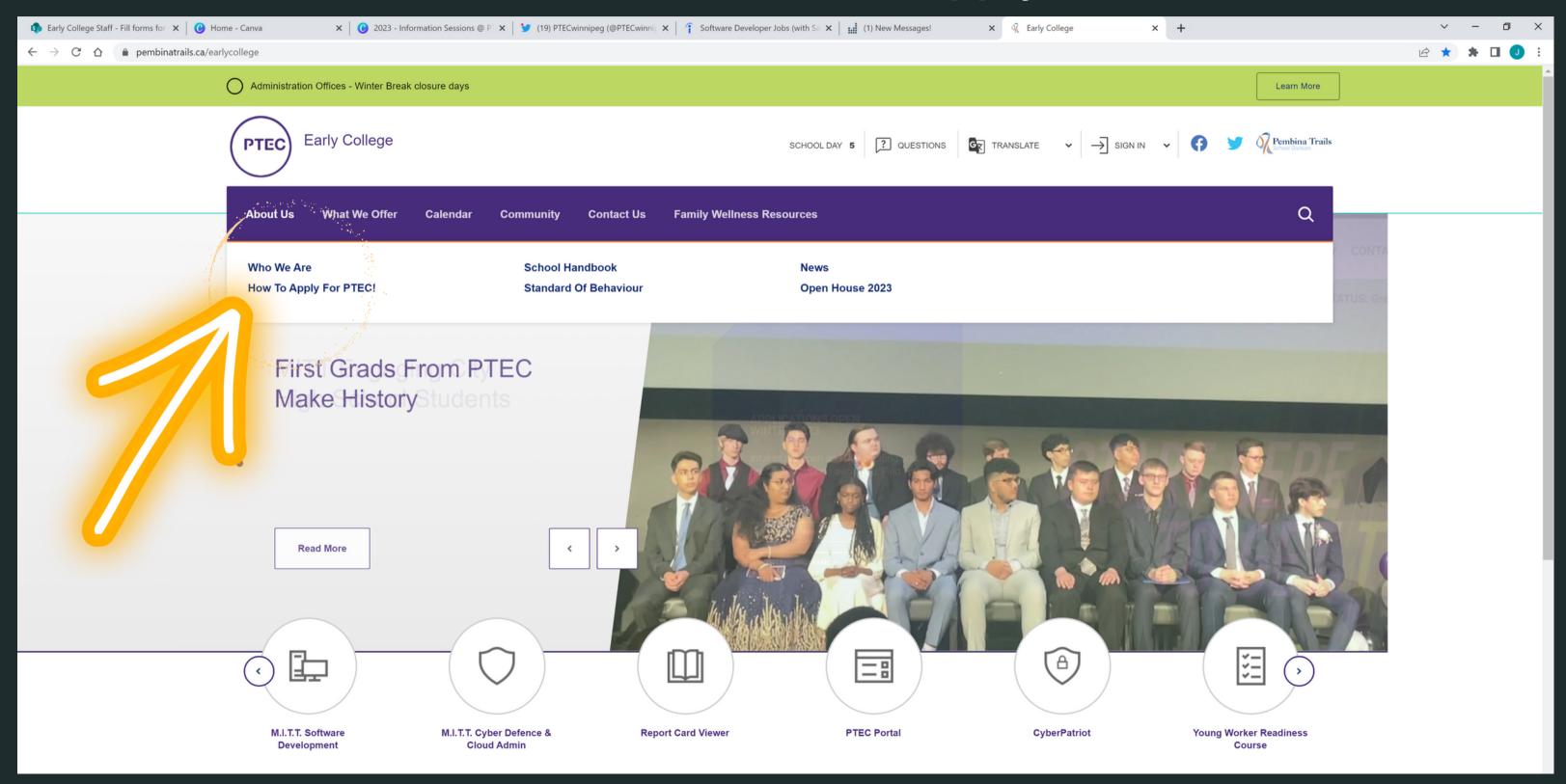
Fill in the application

Write the intention letter

Email both the application and the letter to ptec@pembinatrails.ca tobe considered

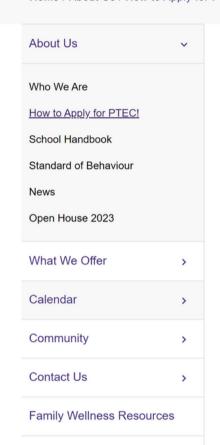


Go to our website > about us > how to apply for PTEC



How to apply > letter of intention

Home / About Us / How to Apply for PTEC!



HOW TO APPLY FOR PTEC!

December 20, 2022

We are very excited to move into our new digs at <u>Pembina Trails Collegiate</u> (PTC)! While we had great experiences at the SmartPark Innovation Hub, we are over the moon to be in a school that has state-of-the-art design and programming.

PTEC is continuously improving how we do school. While we have found much success in the past four years. We, like technology, are going through an upgrade.

PTEC will maintain its high level of accelerated technology programming in both Cyber Security and Software Development, we will do it just a bit differently starting with the application process.

Over the past years, we have had over 250 students on the waiting lists. We want to have options for all of our Pembina Trails Students in a way that suited their understanding and needs to be technology-educated students. To make sure we have the right formula and technology programming for our students, we would like students to not only apply but also send us a letter of intention.

NEW APPLYING FOR PTEC AT PTC - 2023-24 SCHOOL YEAR

Any current grade 8 student residing in the Pembina Trails catchment area can apply to PTEC at PTC.

When applying, students must fill out the application form fully, and include a letter of intention. Our application site will be open from **January 5th to March 3rd, 2023, at noon.**

The letter should contain the following:

- Your name
- current school
- current grade
- · what you know about PTEC
- why you would be a great fit for PTEC
- something interesting about yourself
- what about technology interests you
- · what would you like to learn more about in technology?

Both application form and letter of intention should be emailed together to ptec@pembinatrails.ca before March 3, 2023 at noon to be considered.

We wish everyone the best of luck as the

c at PTC!

Click here for application form.

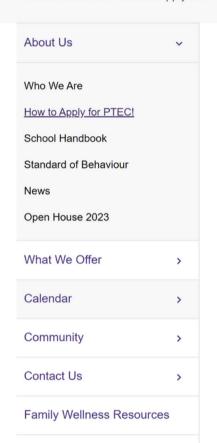
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- what about technology interests you
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How to apply > application > fill in and save/print

Home / About Us / How to Apply for PTEC!



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- why you would be a great fit for PTEC
- · something interesting about yourself
- · what about technology interests you
- what would you like to learn more about in technique?

Both application form and letter of intention shat noon to be considered.

o ptec@pembinatrails.ca before March 3, 2023

We wish everyone the best of luck as

TEC at PTC!

Click here for application form.

PTEC APPLICATION



PEMBINA TRAILS EARLY COLLEGE | 2023/2024 | PEMBINA TRAILS COLLEGIATE 50 Frontier Trail | Winnipeg, MB | R3Y 2H1

You must apply to be considered for one of thirty-two spots at PTEC. Once you have emailed your application and intention letter, you will receive a confirmation email. Final due date for sending in applications and letters is March 3, 2023.

1. STUDENT / FAMILY INFORMATION	
LAST NAME	FIRST NAME MIDDLE NAME
SCHOOL ATTENDING DURING THE 2022/2023 SCHOOL YEAR	GRADE 8
STREET ADDRESS	CITY PROV POSTAL CODE WINNIPEG MANITOBA
# 1 PARENT/GUARDIAN NAME & RELATIONSHIP TO APPLICANT	#1 PHONE INCLUDING AREA CODE
#2 PARENT/GUARDIAN NAME & RELATIONSHIP TO APPLICANT	#2 PHONE INCLUDING AREA CODE
FAMILY EMAIL ADDRESS (REQUIRED FIELD FOR CONTACT)	STUDENT PERSONAL EMAIL ADDRESS
2. CHECKLIST	
Did you fully complete the following: Application Letter of intention - the letter of intention should contain the following: Your name, current school, current grade, what you know about PTEC, why you would be a great fit for PTEC, something interesting about yourself and what about technology interests you. Did you email BOTH the application and letter of intention to: ptec@pembinatrails.ca before March 3, 2023 at noon to be considered?	Who is NOT eligible to apply: International students Students that do not reside in the Pembina Trails School Division boundary Students who intend to continue to be in French Immersion Did you know: You will need to attend Pembina Trails Collegiate (PTC) Pembina Trails Collegiate is an English school You will need to find your own transportation to and from PTC and MITT
3. SIGNATURES	
I have confirmed and certify that all the information on this for	m is true and complete to the best of my knowledge.
STUDENT NAME	
PARENT NAME	
DATE OF APPLICATION	FOR OFFICE USE ONLY:
PLEASE FILL OUT TH	F FNTIRE APPLICATION

PLEASE FILL OUT THE ENTIRE APPLICATION.

Include not only the application but also the letter of intention.

Having the application without the letter will result in a default on the application.

RETURN APPLICATIONS VIA EMAIL, MAIL OR DROP OFF by March 3, 2023:

SMARTPARK INNOVATION HUB – SUITE 250 - 100 INNOVATION DRIVE, WINNIPEG, MB, R3T 62G T: (204) 560.1999 | E: PTEC@PEMBINATRAILS.CA

@PTECwinnipeg

email to ptec@pembinatrails.ca > application > letter of intention

PTEC APPLICATION



PEMBINA TRAILS EARLY COLLEGE | 2023/2024 | PEMBINA TRAILS COLLEGIATE 50 Frontier Trail | Winnipeg, MB | R3Y 2H1

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AST NAME	FIRST NAME	MIDDLE NAME
SCHOOL ATTENDING DURING THE 2022/2023 SCHOOL YEAR		GRADE 8
STREET ADDRESS	CITY PRO WINNIPEG MAN	DV POSTAL CODE NITOBA
# 1 PARENT/GUARDIAN NAME & RELATIONSHIP TO APPLICANT	#1 PHONE INCLUDING AREA	CODE
#2 PARENT/GUARDIAN NAME & RELATIONSHIP TO APPLICANT	#2 PHONE INCLUDING AREA CODE	
FAMILY EMAIL ADDRESS (REQUIRED FIELD FOR CONTACT)	STUDENT PERSONAL EMAIL ADDRESS	
2. CHECKLIST		
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STUDENT NAME	is true and complete to the	Jest of my knowledge.

PLEASE FILL OUT THE ENTIRE APPLICATION.
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Having the application without the letter will result in a default on the application.
RETURN APPLICATIONS VIA EMAIL, MAIL OR DROP OFF by March 3, 2023:
SMARTPARK INNOVATION HUB – SUITE 250 - 100 INNOVATION DRIVE, WINNIPEG, MB, R3T 62G
T: (204) 560.1999 | E: PTEC@HEBINATRAILS.CA

Letter of Intent

Anukriti Gupta
AK-56/ Shalimar Bagh
New Delhi-110078
contactanugupta@hotmail.com
Mr Harshit Khandelwal
Dean of the University of Essex
24-Central Avenue

Dear Mr Khandelwal

I am writing this letter to inform you of my interest one wars of Schoolin Enganmental Management Program at the University of Essan have duly, suitted my encopplication form along with all the required documents. It we see and an universalized gree in Environmental Engineering from the University of Texas, where see each of 4.02.

When I was in high school, I got is a last by was a tanaged by tand went on a field trip to the local landfill. There I learned that takes apple time a many a mmon waste materials to decompose, hence, I realised Lw ted to pursue a career thin celd and was eager to generate more useful ways of waster and control to the local and control to the last control to the last control to the last control to the last control to the local land was eager to generate more useful ways of waster and control to the last control to the la

I believe the control of professions of professions of professions of the list of students a four esteemed so sity. It is rooking forward to learning through your interesting programs of seters of Sciences and homeontal Management as it will equip me with the right knowledge.

An siti Gunt





Open House

www.pembinatrails.ca/earlycollege February 7th at Bison Run School @ 7:30 pm

you're invited



Application & Letter of Intent

DUE: Friday, March 3, 2023 at 12:00pm NOON www.pembinatrails.ca/earlycollege

Is this for me?

- Do you LOVE technology?
- Are you willing to submerge yourself in tech?
- Are you willing to be at two schools in a day?
- Do you see yourself being a part of a technological field in your future?
- Are you committed to PTEC for 4 years?
- Are you ready to do things differently?

SELECTION PROCESS

2018-2019 = 32 applied - 30 were accepted
2019-2020 = 60 applied - 30 were accepted
2020-2021 = 93 applied - 32 were accepted
2021-2022 = 115 applied - 32 were accepted
2022-2023 = 144 applied - 32 will be accepted
2023-24 = ?

Important dates: APPLICATIONS DUE by March 3, 2023 Acceptance letters: You will be notified by March 10, 2023

IF YOU ARE CHOSEN

If your name has been chosen, you will receive an email letting you know that you are one of 32 students which have received a seat.

• if you choose to take the mission

- you will now need to be registered at PTC,
- you need to attend the Welcome to PTC and PTEC presentation
- find transportation to and from PTC, home and MITT
- enjoy the next four years of your exciting life!

• if you choose to decline the mission

- o your name will be removed and the next person on the waiting list will be called
- the newly appointed student will have to give us a response within 24 hours
- o if that person takes the seat, we hault. If they don't, we move to the next student

Typically, there are around 60+ students on the waiting list and only the first 20 students on the waiting list will be acknowledged.

Where PTEC leads you











Email Phone Twitter Website

ptec@pembinatrails.ca 204.560.1999 @ptecwinnipeg www.pembinatrails.ca/earlycollege

SmartPark Innovation Hub Located on the University of Manitoba Campus - June 2023 Pembina Trails Collegiate New Address September 2023

