

# Collaborative Partnerships and Proactive Programming: Explore, Engage, Experience, Enter



2024 Trades and Technologies Summit



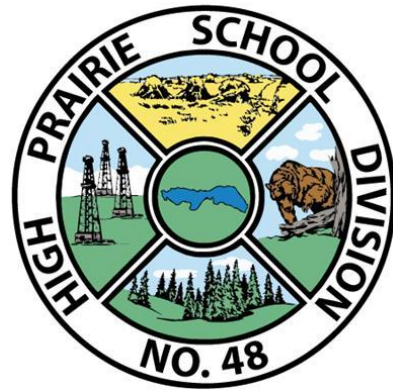
**Jodi Peat** is an Education Specialist for Unique Pathways with the Calgary Board of Education. Jodi holds a Masters of Science degree, and started with the CBE teaching Junior/Middle School Math and Science 14 years ago. However, working with Unique Pathways for the past 3 years has been the jolt she didn't know she needed. She is passionate about students connecting with their own areas of interest, finding their "why", finishing high school their way, and being supported in the transition to their future. Jodi enjoys going for walks with her family and documenting every second of her young daughter's life.



**Monica Edwards** is the Career Coach Lead with the High Prairie School Division. She has worked in this program since its inception 10 years ago. Monica holds a Bachelor of Management degree from Athabasca University and a Bilingual Business Administration diploma from NAIT. She is a Certified Career Development Professional (CCDP), and is the co-chair of Alberta's Dual Credit Articulation Committee, representing secondary schools. Her passion for creating opportunities for students in rural Alberta to engage in meaningful career exploration has driven Monica's work over the past decade. Outside of schools, Monica enjoys outdoor activities with her husband and two children.



**Roz Wick** is the Manager for Strategic Youth Initiatives at SAIT, where she has been involved strategic youth programming for the past 12 years. Roz holds a Master's degree in education from the University of Calgary, as well as a professional project management designation (PMP). She recently embarked upon pursuing her Doctor of Education degree (only three more years to go!). She is also the current co-chair representing post-secondary for Alberta's provincial dual-credit articulation committee. Roz is passionate about providing programs for youth that support them in finding their path and believes that all youth are capable learners – they sometimes just need help finding their "spark". Roz is an avid runner and enjoys spending time with her husband, dog, and young son.



Calgary Board  
of Education

Unique  
Pathways



## AGENDA

- Supporting skilled trades and vocational education training with 2 different school boards



HOW IT STARTED

## POST SECONDARY PARTNER

- Began partnerships in 2012/13
- Initially with geographically local school authorities
- Support with dual-credit programming
  - Pre-Employment Carpentry
  - Pharmacy Assistant
  - Pre-Employment Welding
- Development of internal policies and procedures to support work with minors and K-12 partners
- Development of Youth Engagement Strategy
- Quickly grew number of program offerings and expanded to additional partners

# Creating an Environment to Support this Work

- Youth Engagement Strategy
- **Vision:** The Southern Alberta Institute of Technology is a leader in creating the future workforce by delivering life-changing experiences for youth.

Through participation in SAIT youth programs, youth gain a sense of:

- Excitement about their education
  - Belonging in their program and within SAIT
  - Preparedness with their immediate needs address
  - Confidence that they can succeed
- 
- Authentic, engaging, meaningful, learning experiences

# Creating an Environment to Support this Work

- Internal alignment
- Centralization of youth programming
- Streamline operations and gain efficiencies
- Consistent messaging; clear points of contact
- Cross institutional collaboration
- Policies and procedures for working with minors
- Intentional program development and delivery

# Areas of Focus

Dual-Credit  
Programs

Pathways for  
Indigenous  
Youth

Digital Youth  
Programs

Exploratory  
& Transition  
Programs

Community  
Outreach

Collaborate  
with  
Educators

Career  
Exploration

Camp & Year  
Round  
Programs



- Summer camps
- Career exploration
- Exploratory days



- Career exploration
- Full semester programs and courses
- Exploratory days

- Dual-credit
- Exploratory programs
- Full semester and year-long programming



- Post-secondary education
- Apprenticeship
- World of work

- Access
- Equality
- Opportunity

## CHALLENGE

How to meet the needs of students outside of the city of Calgary through dual-credit and other exploratory programming?



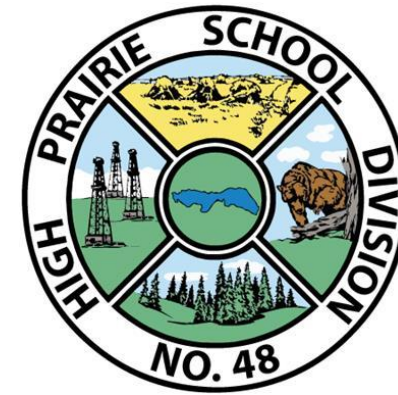
HOW IT'S GOING

# PARTNERSHIP WITH CALGARY BOARD OF EDUCATION & HIGH PRAIRIE SCHOOL DIVISION

- Dual-Credit program offerings
- Turning Points program
- Exploring Skilled Trades



Calgary Board  
of Education



## Programs:

- Pharmacy Assistant
- Pre-Employment Carpentry
- Pre-Employment Pipe-trades
- Pre-Employment Welding
- Pre-Employment RV Tech
- Pre-Employment Autobody
- Pre-Employment Automotive Service Technician

## Courses:

- Aircraft Systems
- Anatomy and Physiology
- Baking Introduction
- Cooking Introduction
- Digital Audio Video Production
- Healthcare Career Essentials
- Healthcare Professionalism
- Infection Prevention and Control
- **Introduction to Business**
- Introduction to Hardware
- Introduction to Networks
- Medical Terminology
- Non-Destructive Testing
- Object Oriented Programming I
- Science of Health and Wellness
- Web-Development I

# YOUR FIRST STEP TO BEING FUTURE-READY: DUAL-CREDIT INTRODUCTION TO BUSINESS (MNGT-200)

MNGT-200 Introduction to Business prepares you for many certificates, diplomas and even degrees at SAIT which means you are already one step ahead!



5 HIGH SCHOOL CREDITS

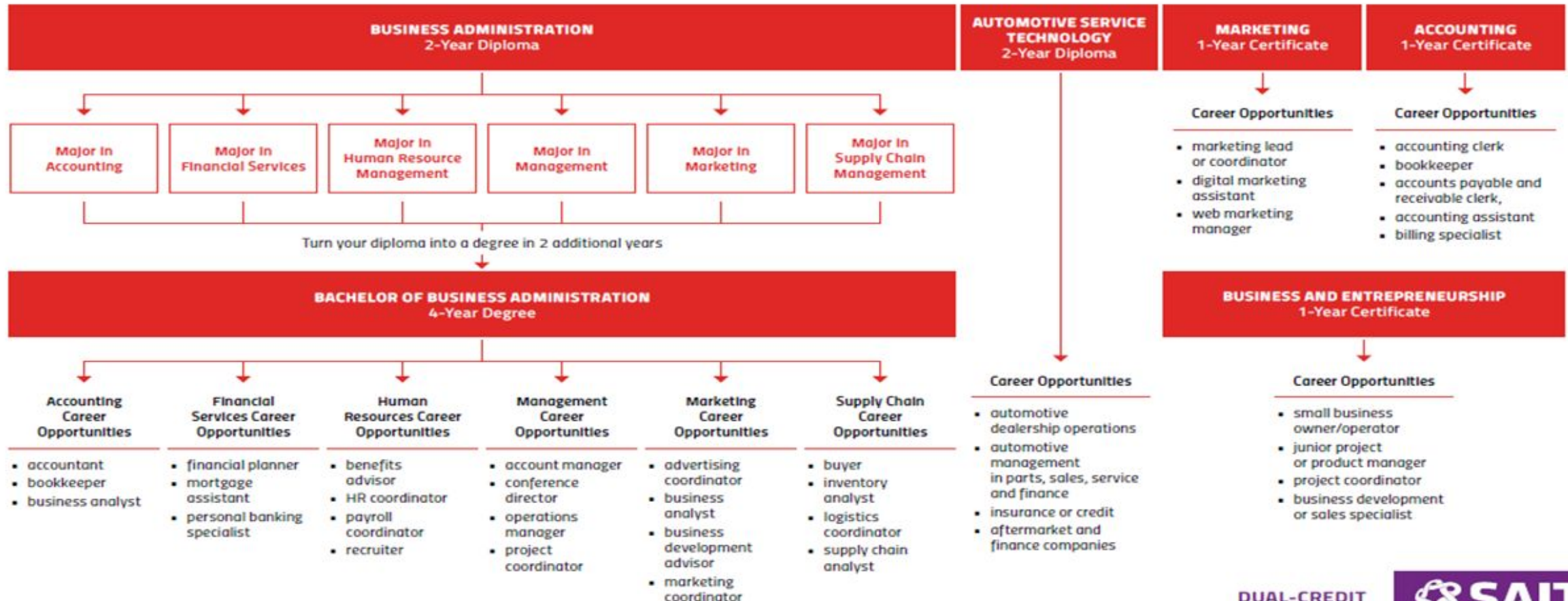


MNGT-200 COSTS AROUND \$560. BY TAKING THIS COURSE THROUGH HIGH SCHOOL, YOU ARE SAVING MONEY!



3 SAIT CREDITS

## RELATED PROGRAM PATHWAYS FOR MANAGEMENT 200



- Over the course of two to three weeks, cohorts rotate between various areas within SAIT
- PREP 100 – complete PREP 100 sessions as part of the program
- Earn **high school credits** through **Learning Strategies** course
- Supervision provided by high school teacher
- Student reflect on their learning each day
  - Identify interests
  - Strengths
  - Next steps
- Sessions take place both at SAIT, home high school and virtually
- Hot lunch program each day at SAIT
- SAIT hoodie for all students

## TURNING POINTS PROGRAM

# Participants explore the a variety of program areas:

- Academic Upgrading
- Cranes & Hoist
- Ironworker
- RV Tech
- Water Management
- Aircraft Structures
- Aircraft Maintenance
- Avionics
- Diagnostic Imaging
- Paramedicine
- Medical Lab Tech Culinary Arts
- Medical Lab Assistant
- Automotive
- Carpentry
- Welding
- Hydraulics
- Digital Youth workshops
- PREP-100 sessions
- Green Building Technologies
- Student Loans and Bursaries
- Journalist/Broadcast Studies



## TURNING POINTS PROGRAM



# Meeting the Needs of Students Through Turning Points

## **CBE**

- Began in 2018
- 1 class; 16 students
- 4 classes; 64 students
- 7- 10 days on campus
- Select high schools
- Student selection done by off-campus coordinator within the high school
- Entire school buy in to support time away from classes, etc.

## **High Prairie**

- Began in 2022
- 1 class; 13 students
- 2-3 days on campus
- Initially, one small school (Kinuso)
- Now district wide
- Students apply to participate
- High population of Indigenous learners

**TURNING POINTS PROGRAM**

# EXPLORING SKILLED TRADES



Through consultation with school board partners, identified a gap in knowledge, understanding, and awareness for junior high students and teachers about the skilled trades



Variety of existing resources but not in one place



Creation of an online resource where information about skilled trades could be accessed by Career and Technology Foundations (CTF) teachers and students for their classes

# EXPLORING SKILLED TRADES



Creation of 8 hours of content to be accessed through an online platform



Equitable access to content for students in more rural or remote communities was a key criteria we wanted in this project



Vision is that this content can supplement and complement any hands-on activities teachers might be doing with their students and/or provide some ideas about hands-on activities they can do



For example, teachers could introduce skilled trades to students through this content prior to attending Jill of all Trades and then follow-up with this content after Jill of all Trades experience

# EXPLORING SKILLED TRADES

- Use 4 A's to inform the direction of this project
- **ACCESS** – equitable access for as many learners as possible
  - Will be free to partner school boards to use for their teachers/students
- **AWARENESS** – build awareness early about the skilled trades
- **APTITUDE** – students to learn about the skills and competencies needed; can they start to identify if a skilled trade might be something they would consider pursuing
- **AWESOMENESS** – expose junior high students to what is cool or interesting within skilled trades programs, careers, and pathways



# EXPLORING SKILLED TRADES



Email / Username

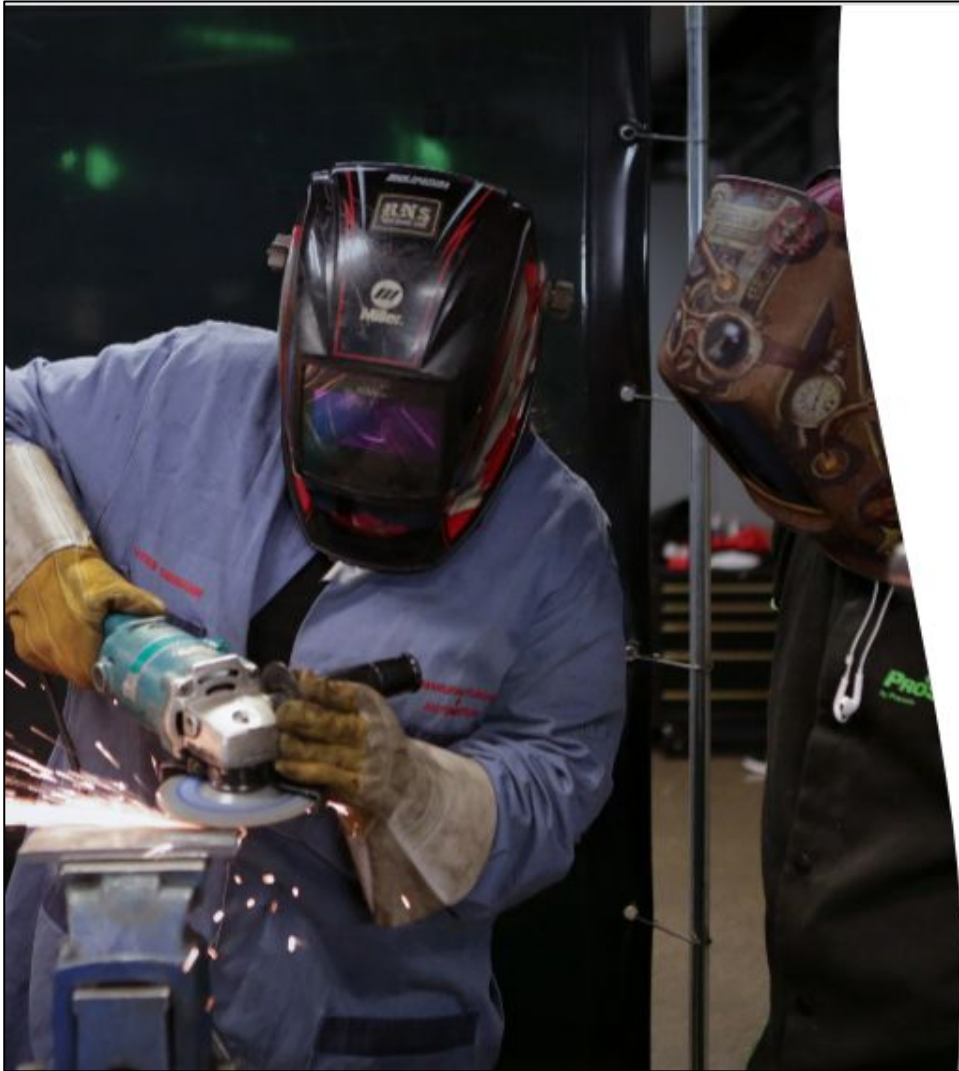
Password

Login

Don't have an account? [Register here](#)

Forgot your password? [Reset here](#)

# EXPLORING SKILLED TRADES



## Student Registration for SAIT's Exploring Skilled Trades Program

First Name*	Last Name*
<input type="text"/>	<input type="text"/>
Email*	Access Code*
<input type="text"/>	<input type="text"/>
Password*	Confirm Password*
<input type="text"/>	<input type="text"/>

[Click here](#) to read our privacy policy

Register

[Return to Login Page](#)



## Introduction

## Module 1 - Teachers



Introduction



Section 1 – The World Of Skilled  
Trades



Sections 2 And 3 - Prepare For  
Independent Learning

# EXPLORING SKILLED TRADES



John Doe

## Introduction

### Module 1 - Students



Introduction



Section 1 – The World Of Skilled Trades



Section 2 - Skills Challenge



Section 3 - Guided Inquiry



# EXPLORING SKILLED TRADES



## CERTIFICATE OF PARTICIPATION

This is to certify that

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Successfully completed the (Course Title Goes Here)


DD/MM/YYYY



# Calgary Board of Education



**Calgary Board  
of Education**

**Unique**   
**Pathways**

# Calgary Board of Education

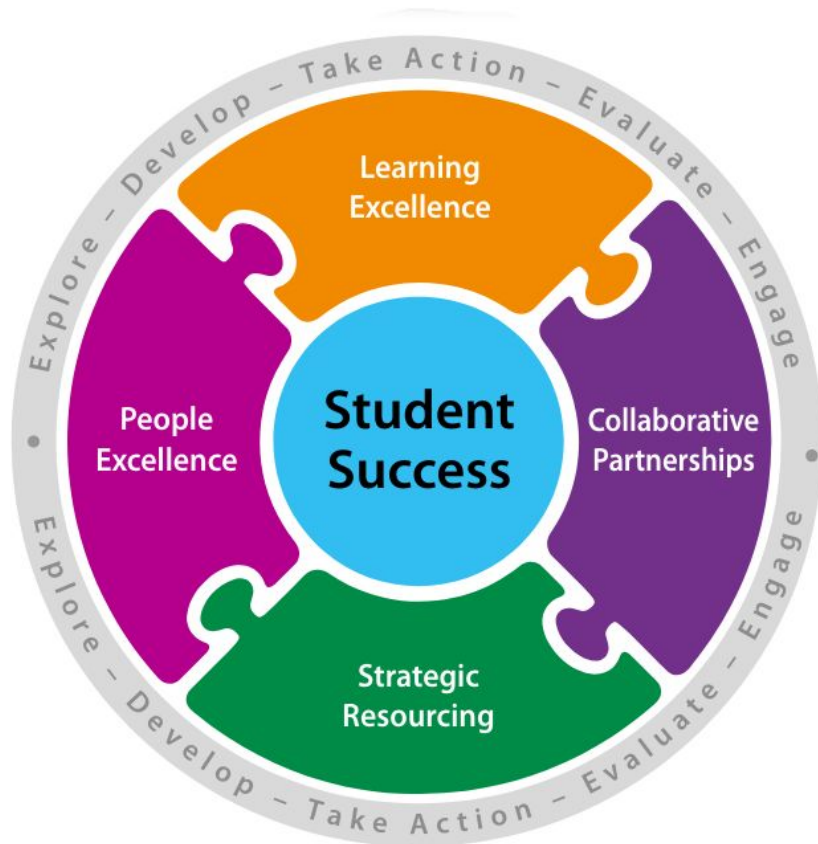
- Large urban board in southern Alberta
- 825 square km
- 250 schools, including:
  - 21 traditional high schools
  - 6 outreach or specialized setting high schools
- 138,244 students
  - 34,591 Grade 10-12 students

The screenshot displays the Calgary Board of Education's school locator interface. On the left, there are three search sections: 'Search by Address' with an input field and a 'GO' button; 'Search by School Name' with a dropdown menu; and 'View Program Options' with a dropdown menu set to 'Regular'. Below these is a 'Filter by Grade Level' section with checkboxes for 'All' (checked), 'K', '1', '2', '3', '4', '5', '6', '7', '8', '9', '10', '11', and '12'. At the bottom left, a blue box shows 'Search Results | 196 schools found' and a link to 'See below for more information'. On the right, a map shows the city of Calgary with numerous colored pins representing schools. A legend at the bottom right identifies the pin colors: green for K-4, orange for 5-9, purple for 10-12, brown for Unique, grey for New School, and a house icon for Home. It also includes symbols for Attendance Area, Walk Zone, and Community.

# Calgary Board of Education - Challenges

- Challenges
  - Rapid Growth - 5% increase in students from Sept 2022 to Sept 2023
  - Spread of the city
  - Equity of access to CTS programming at schools
    - High schools shop spaces full, unable to take students from other schools
    - transportation limiting factor
  - Diverse interests and levels of readiness for transition from high school
  - Staying connected to each high school in a meaningful way

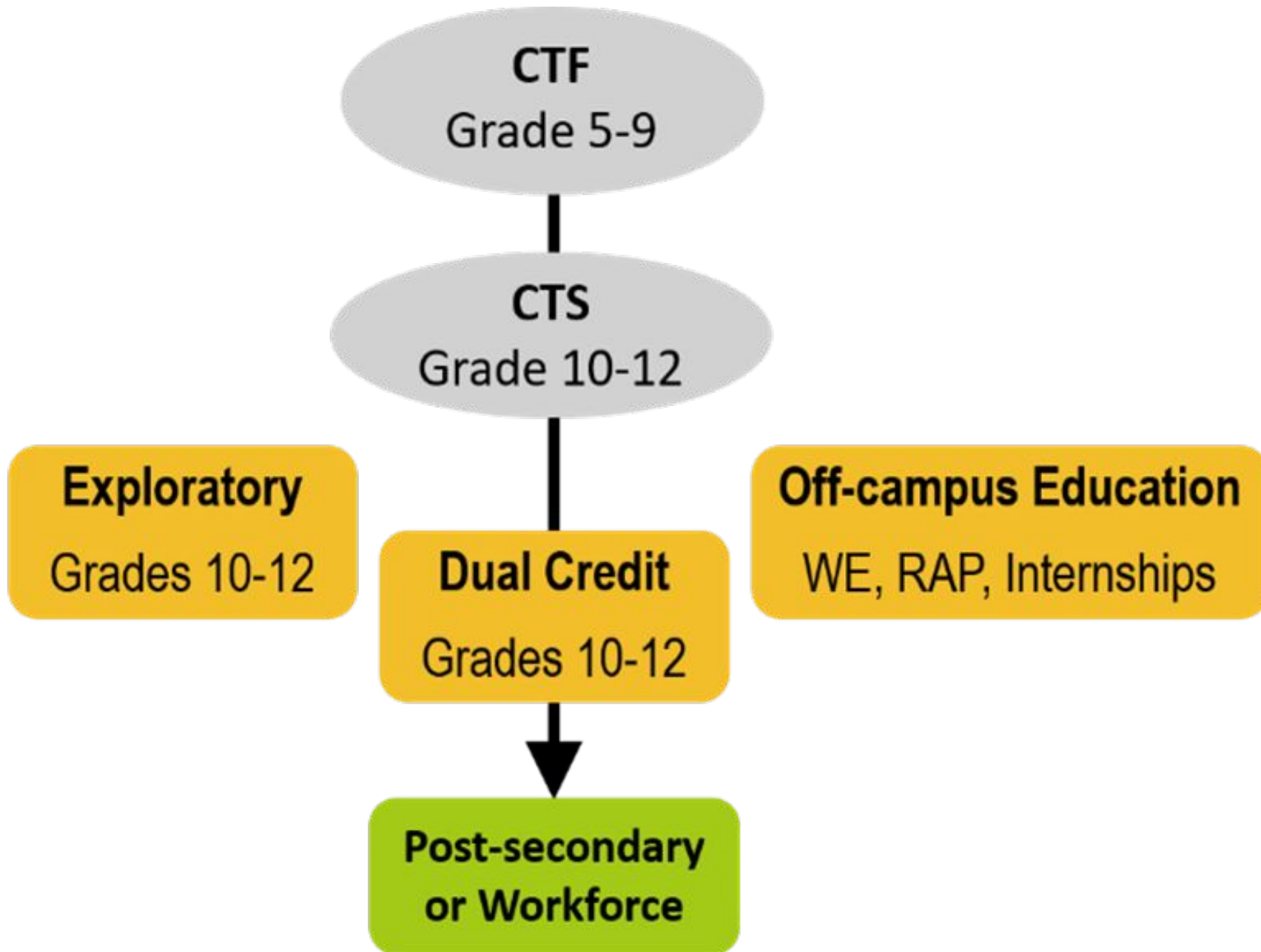
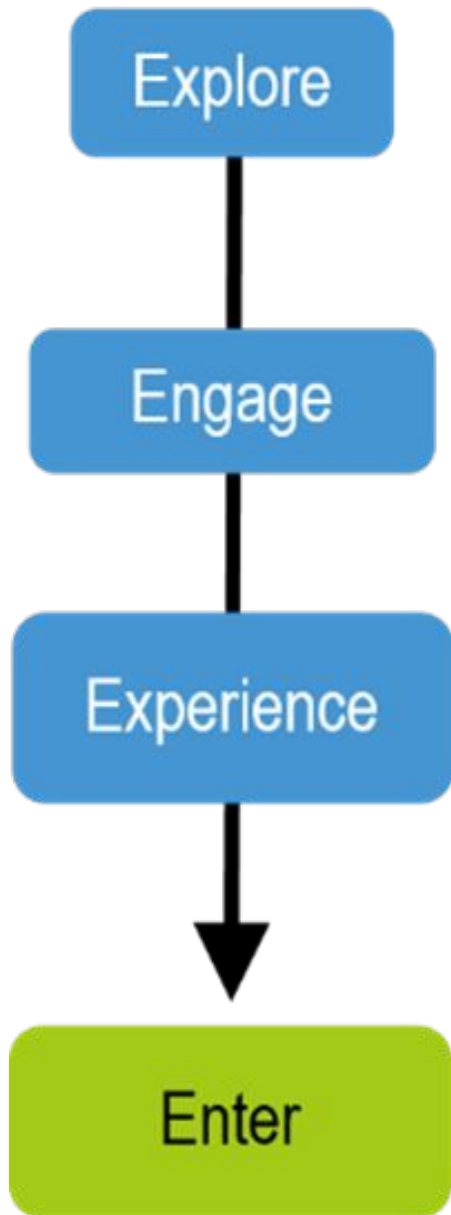
# Calgary Board of Education - Vision



## Education Plan - Collaborative Partnerships Pillar

- **Key Outcome** - Student learning and well-being are enhanced through partnerships and engagement with students, staff, parents and community
- **Local Measures** - Registration in and completion of dual credit courses, off-campus, apprenticeship opportunities or number of students participating in exploratory pathways

Result - Support of Career Development model and Unique Pathways programming



# Career Development Model & Unique Pathways

- comprised of several different, age-appropriate programs and opportunities, including an overlap with Off-campus Education.
- The model supports multiple entry and exit points, providing equity of access and flexibility and supports pathway surety

	<b>Exploratory</b>	<b>Dual Credit</b>
Type of learning	Hands-on skill development	Post-secondary learning
Type of credit	High school credits Industry Credentials	Post-secondary AND high school credits
Format	In-person	In-person and/or online
Costs	no tuition no fees	no tuition no textbook fees

# Career Development - Programming by Design

## **Dual Credit**

- online, asynchronous or synchronous
- in-person
- blended
- Multiple Pathways, varying depth
- 5 post-secondary partners
- single semester to 2 full years, varying levels of commitment

## **Exploratory Programming**

- in-person
- community, industry, and post-secondary partners
- single semester, low risk



# Unique Pathways - Centralized Model



## Unique Pathways Team

- Specialist and three supervising teacher learning leaders, with admin support
- Concurrent enrolment with Chinook Learning Services (mature students, returning Grade 12s, etc.)
- Supervision of all Dual Credit and Exploratory programs

## School-based Team

- 0.5 FTE Off-campus Coordinator required in every traditional high school
- Guidance / Student Services Collaboration

# Unique Pathways - Student Profiles

**Profile 1** - Students with an interest in an area that is not offered at their home school

**Profile 2** - Students who have completed related programming at home high school, looking to expand into post-secondary or credentialed pathways

**Profile 3** - Students who are struggling to complete high school and need a “hook” to connect to future goals

-> Career Development supported through pathway surety and transitions to post-secondary or the workforce.



# Unique Pathways - Successes

## UP 2022-23

- 513 students enrolled
  - 196 students benefited from Barrier Removal funding
  - 96% successfully completed
  - programs
  - 80% of graduating students who completed programs during the school year transitioned to post-secondary or employment (as of June 2023)



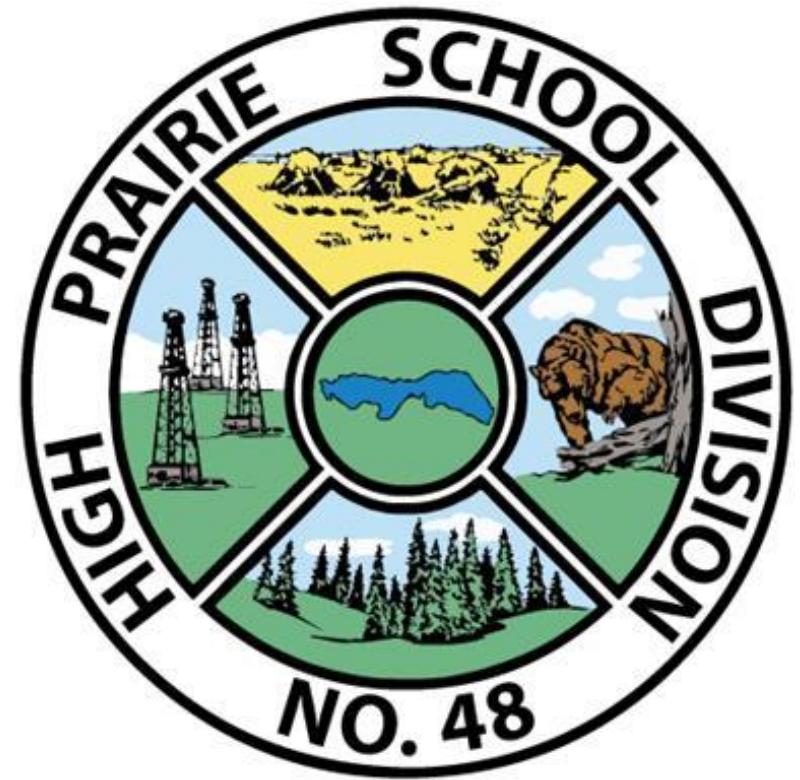
# Unique Pathways - Successes



## **Skilled Trades Career Pathway 2022-23**

- 55% of students demonstrated financial need,
- 65% of students had a special education code,
- 12% of students were enrolled in K&E programming,
- 16% of students were part of an outreach program
- 8% of students identified as Indigenous, and
- 89% of students in the trades program successfully completed their program.

# HIGH PRAIRIE SCHOOL DIVISION



# High Prairie School Division

- Small rural school authority in northern Alberta
- Span across 200 kilometers
- 12 schools
  - 4 traditional high schools
  - 2 outreach schools
- 3000 students (K-12)
- Large Indigenous student population



# Providing Opportunity to Rural Students

- Began offering dual credit in 2012/13 with limited programs in trades, Power Engineering and Health Care Aide
- Designed to provide students with opportunities that are challenging to offer in small school settings
  - CTS offerings can be limited at times
  - Trained CTS teachers are in high demand
  - Specialized classrooms / labs are often not available
- Provide exposure and awareness to post-secondary learning



# Continued Development and Enhancement

- 2023 / 24 school year 68 students enrolled in one or more of 25 unique courses/programs
- Partnerships with eight post-secondary institutions
- Large majority of our dual credit programs are online, asynchronous
  - Students must be properly vetted to ensure they are prepared
  - Ensure that online, asynchronous courses provide a level of engagement that will lead to success for adolescent students



# Exploratory Program Challenges

- Distance between schools and post-secondary partners creates challenges for providing hands on exploratory programs
- Make the most of any opportunity
- Prepare students beforehand



# Team Approach to Student Support Across Division

- 0.50 FTE teacher support
  - Weekly virtual contact
  - Minimum monthly in-person contact
- Career Coaches in each school
  - In person contact on a daily/weekly basis
  - Helps bridge connection between student and teacher
- Educational Assistants / Learning Commons Technicians
  - Classroom supervisors
  - Attendance, focus, support





## FINAL TIPS & TAKEAWAYS

1. Seek collaboration
2. Explore new program areas that meet student needs
3. Iterate and adapt
4. Willingness to be creatively problem solve
5. Create what works for your students

THANK YOU

## CONTACT US

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