

A New Working Model for Trades Training

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Vancouver Community College
CAF, June 9th, 2008

- Context
- Goals
- Hybrid Learning in the Transportation Trades at VCC
- DATTO and partnerships
- Flexible Learning in Trades in BC

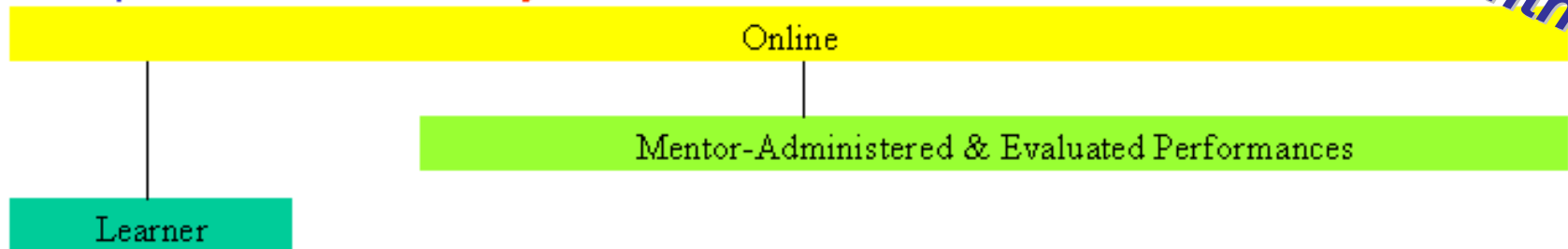
- VCC is BC second largest trades training institution
- \$8 million annually, funded by ITA
- Through special funding from the ITA, BCCampus and VCC, we have developed a new, hybrid model for trades training
- Auto Collision Repair, Auto Service Technician, Diesel and Heavy Duty Mechanic

Goals of the hybrid model

- To reduce the time away from work and costs for apprentices wishing to complete each level of their technical training
- To link more effectively and improve the learning that occurs in the workplace with the provincial and national standards
- To develop a template for application to other trades

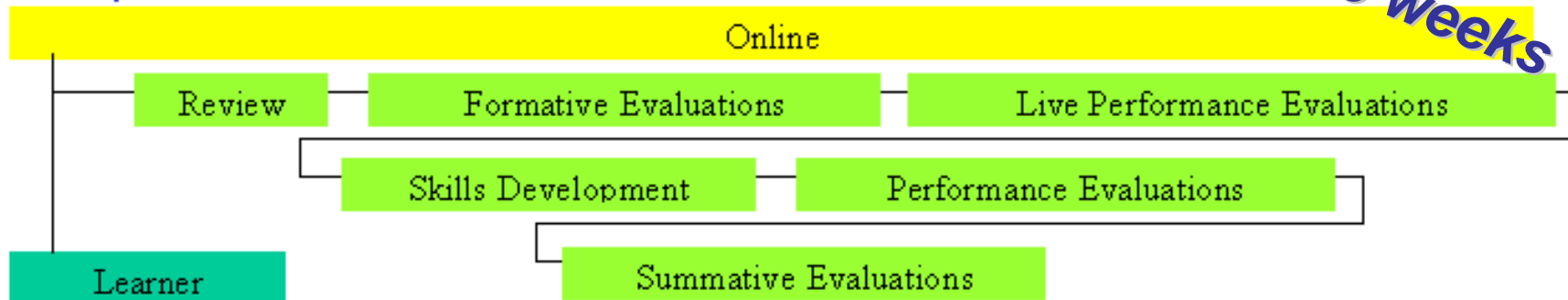
Component 1. Online Theory/Mentored Practicum

3 months



Component 2. F2F Review & Evaluation

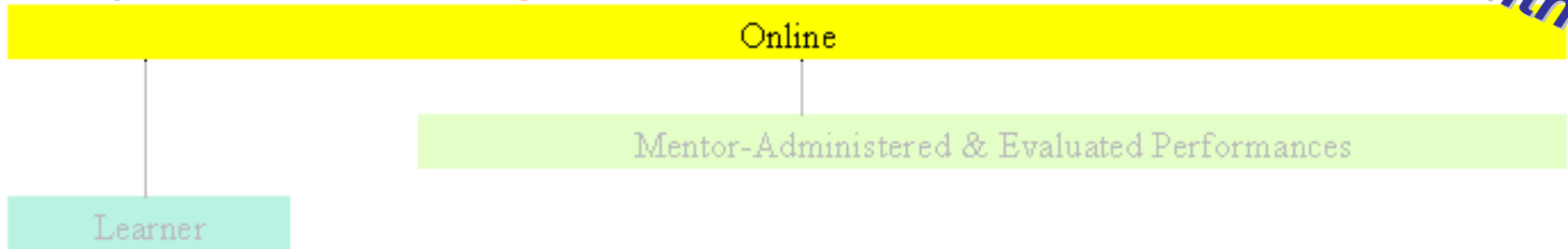
2-3 weeks



Guided Online Study

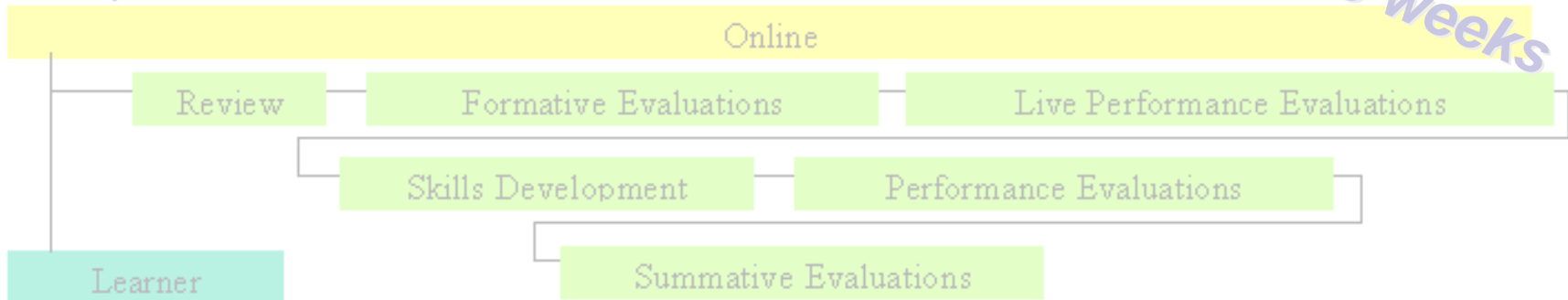
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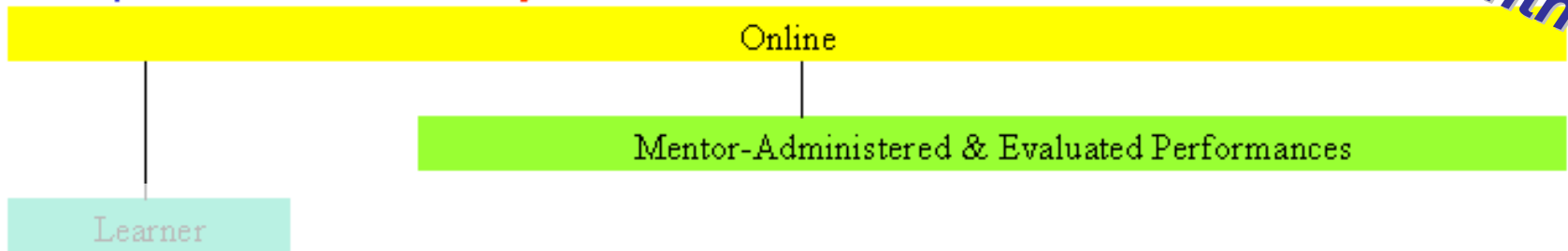
2-3 weeks



Workplace Mentoring

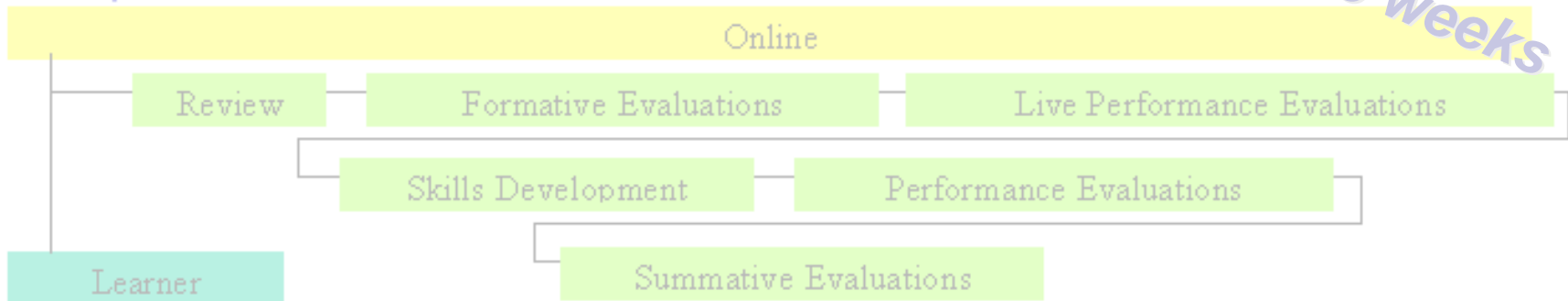
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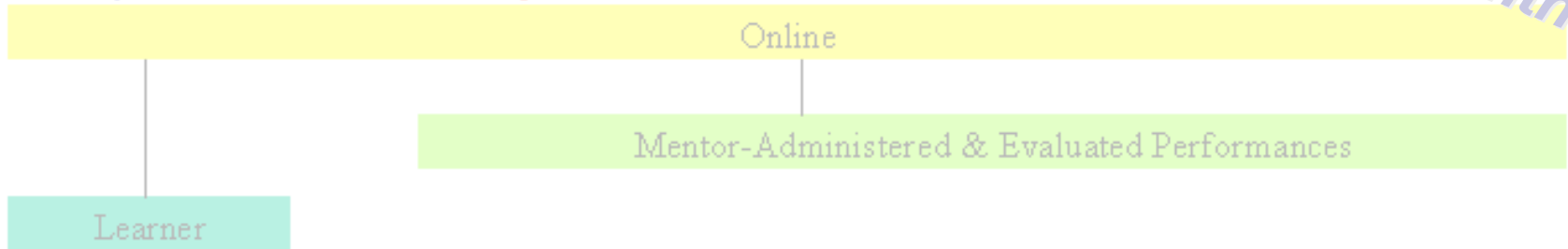
- Trade-qualified mentors
- Oversees practicum
- Mentoring prep course for final level apprentices
- Administer Workplace Assignments *more...*

- Administers Workplace Assignment (practice for Competency Evaluation)
 - Assigns real-world, real time tasks relevant to required outcomes
 - each apprentice performs approx. 15 assignments (3-month period)

F2F Review & Evaluation

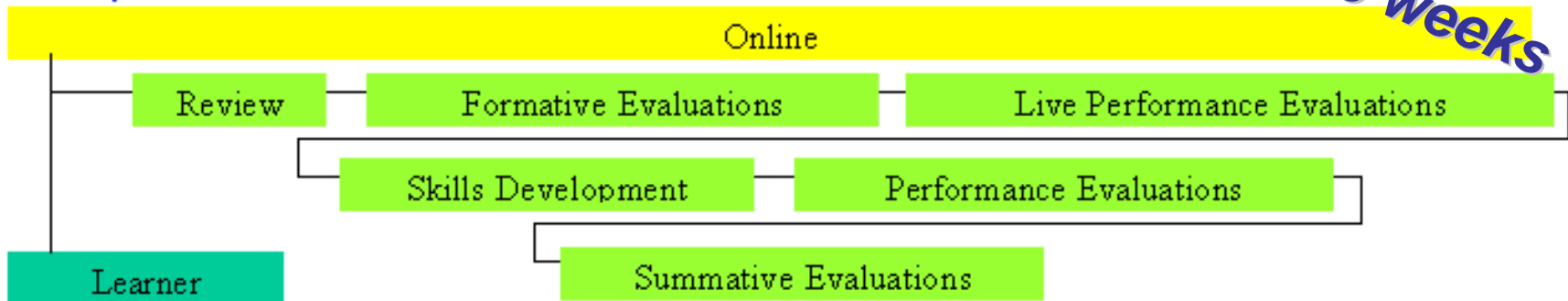
Component 1. Online Theory/Mentored Practicum

3 months



Component 2. F2F Review & Evaluation

2-3 weeks




- Attend local institution for 2-3 week shortened f2f segment
- Week 1: Review material from online component
- Week 2+: perform practical and technical summative evaluations


- Aligned to National Occupational Analysis (NOA)
- Based on Workplace Assignments
- Structured performances
- Time saleable

Course: ACAP 200 DATTO - Auto Collision Repair Apprentice - Year 2 (ARCHIVE 01-2007) - ...
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Distributed Learning


*Featured: John Buckman
Business Management
Student*




My Doodle Courses ▶ ACAP200 Archive
Return to my normal role

You are logged in as Robin Popow: Student (Return to my normal role)





Course Menu

-  Outline


People

-  Participants

Activities

-  Assignments
-  Forums
-  Quizzes
-  Resources

Administration



**Auto Collision Repair
Technical Training Program - Year 2.**

Welcome to Vancouver Community College!

My name is [Robin Popow](#) and I am your instructor for this program. Call me for course content or technical assistance from 9:00 AM to 9:00 PM daily by phone at 604-992-3153 (toll free 1-888-565-7801) or email me anytime at rpopow@vcc.ca.

We hope you enjoy your training program. **To begin, click on the "Step 1." link below** for a tutorial video showing you

Student Links

- Library
- Learning Centre
- Moodle Tutorial

Grades

how to navigate through the program (may take a minute to load).

Program Tools & Resources

Follow the steps listed below to begin the program.


-  Step 1. Test Your Computer
-  Step 2. Program Guide
-  Step 3. Update Your Personal Profile
-  Step 4. Webcast Meeting Room

Assignments




















-  Workplace Assignments
-  Course Discussion Forum Assignments

Discussion Forums

-  Course Discussion Forums (Year 2 apprentices only)
-  General Discussion Forum (Open to all apprentices)
-  News forum

19 February - 25 February 

Air Conditioning Systems Course (4007)

-  Air Conditioning Course Manual
-  1. Overview
-  2. System Components
-  Air Conditioning Systems Quiz #1
-  3. Refrigerant
-  4. Compressor
-  5. Condenser
-  Air Conditioning Systems Quiz #2
-  6. Receiver/Drier
-  7. Expansion Device
-  8. Evaporator
-  9. Accumulator
-  10. Lines
-  11. Lubricating Oil
-  12. System Recharge
-  13. Retrofit
-  Air Conditioning Systems Quiz #3
-  Air Conditioning Systems Final Evaluation
-  Air Conditioning Systems Course Forum



- Distributed Articulated Trades Training Options
- Leveraging the high investment in media rich on-line systems provincially and nationally: workplace/on-line, face to face at training institutions.
- Centralised on-line development and decentralise the face to face support

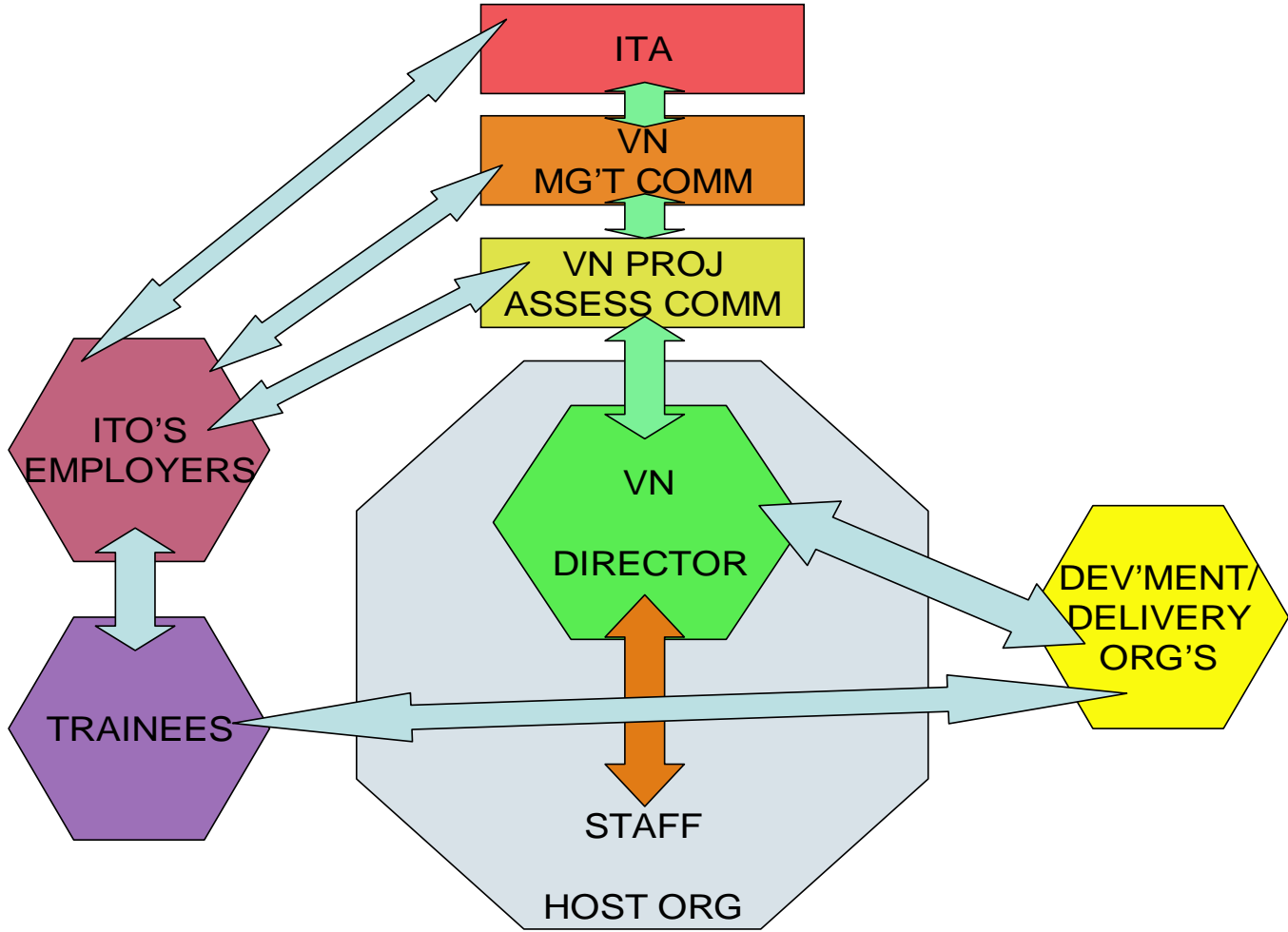
Flexible Learning in Trades in BC Project

- INCREASE % OF APPRENTICES WHO COMPLETE THEIR TRAINING PROGRAMS
- REDUCE BARRIERS FOR APPRENTICES AND EMPLOYERS: TIME AWAY FROM WORK AND COST
- ATTRACT MORE PEOPLE INTO THE TRADES
- INCREASE APPRENTICE AND EMPLOYER SATISFACTION

- **BACKGROUND STUDY:** “ALTERNATIVE TRADES TRAINING: BEST PRACTICES FROM ACROSS CANADA” (MARCH, 2006) *more...*
- **STRATEGIC PLAN:** A STRATEGY FOR THE EXPANSION OF FLEXIBLE LEARNING IN THE TRADES IN BRITISH COLUMBIA (OCTOBER, 2007) *more...*
- **BUSINESS PLAN** (MARCH, 2008) *more...*
- EXPRESSION OF INTEREST, FOR **Virtual Network Host** , ISSUED AND RESPONSES RECEIVED (APRIL, 2008) *more...*

- BCCAMPUS [more...](#)
- KEY FUNCTIONS:
 - FACILITATE EXPANSION OF F.L.
 - ESTABLISH PROVINCIAL STANDARDS
 - ESTABLISH PROCESSES TO SOLICIT PROPOSALS FOR DEVELOPMENT/DELIVERY
 - FACILITATE PARTNERSHIP AND COLLABORATION
 - RESEARCH TO ASSESS EFFECTIVENESS OF F.L.

Structure



- IDENTIFY TRADES FOR CONVERSION (2-4 PER YEAR); TRAINEES WILL HAVE OPTION OF F.L. OR TRADITIONAL LEARNING MODES
- ISSUE RFP INVITING CONSORTIA TO OFFER F.L. MODE ACROSS PROVINCE;
- TRAINEES IN F.L. MODE WILL TAKE ALL TRAINING THROUGH CONSORTIUM (INCLUDING ANY F-F PORTION)
- ITA PROVIDES FUNDING FOR DEVELOPMENT (THROUGH EX. AGENCY)

- TOTAL TRAINEES IN F.L. MODE:
4700 - 8300 a year
- ADDITIONAL TRAINEES DRAWN BY F.L. MODE (WHO WOULD OTHERWISE NOT HAVE CONSIDERED TRAINING):
1900 – 3600 over 3 years
- INCREASED COMPLETIONS RESULTING FROM AVAILABILITY OF F.L.:
1200 over 3 years