

**Provincial Millwright
Program 2019
Articulation Minutes
November 29, 2019**

Hosts:

Bryan Messer, Millwright BCIT

Attendance:

*Bryan Messer (BCIT) -Articulation Chair and Millwright Chief
Instructor*

Perry Taylor (CNC Quesnel) – Millwright Instructor

Brian Myette (Kwantlen) – Millwright Instructor

Brian McClinton (Kwantlen) – Millwright Instructor

Matt Sumner (Selkirk) – Millwright Instructor

Rick Czar (College of the Rockies) - Millwright Instructor

Russ Haugen (Northern Lights) - Millwright Instructor

Brian Buckley (BCIT) - Associate Dean- (Subject Liason Person)

Guests

Vern Weber, Program Development Officer (ITA)

Sasan Momeni, President (Alpha Technical Solutions)

Tim Carson (BC Campus) Provincial Trades Representative

Robert Braun (BCIT) – Millwright Instructor

Welcome and introductions: Bryan Messer welcomed the committee. Safety and Logistics addressed.

Round table with introductions.

Approval of Agenda:

- Bryan Messer: motion to approve agenda. Carried
- Approval of minutes November 9, 2018 minutes: Seconded by Rick Czar. Carried.
- 2018 Minutes will be on BCCAT website

Address Action items from 2018 meeting

Action Item: Holding the meetings in the Lower Mainland.

- We will revisit this at 9:10am.

Action Item: Regarding ITA funding of 30 hours to develop GAP training.

- This is Complete

Discussion: The repository has a unique email link.

Rick Czar: New items (Rigging videos) have been added to the repository

Bryan Messer: Can you take that and copy it over into our rigging GAP training?

Action Item: Bryan Messer to get these items into the repository.

Brian Myette: Already added it.

Action Item for Bryan Messer to look into it going into the repository.

- oth action items from last minutes are taken care of.

Organizational Changes

- **Brian Buckley:** Frank Rossi has been the SLP (System Liaison Person) for Millwright. The SLP is the channel to the BCATTA committee. The ITA gets in contact with Frank (The SLP) who then forwards the information on to the Millwright Articulation Chair and Deans of Institutions.
- Guy Ellis was the chair of BCATTA and has now moved on to work with TTBC (Trades Training BC). Frank Rossi has moved into the chair role of BCATTA. Brian Buckley will be taking on the SLP of the Millwright Articulation role.
- **Bryan Messer:** BCATTA is a group made up of all the Deans. TTBC has links to BCATTA. TTBC is made up of all the Institute Presidents.
- **Russ Haugen:** Russ gets left out of the loop when the calls for instructors go out. Concerned about emails from SLP getting to him.
- **Bryan Messer:** Will coordinate with Brian Buckley (SLP) to forward these emails to the instructors after their Deans have been notified of a request.
- **Brian Buckley:** The protocol at the provincial level is the ITA contacts the Deans. From a protocol point of view, it would be wrong if we bypassed the Dean, however, there is nothing wrong with the instructors knowing that we are looking for sprint or workshop attendees.

- **Matt Sumner:** Are these requests coming from Trades Training BC meetings.
- **Bryan Messer:** Usually these requests come from the ITA. The ITA has timelines in place to review the SLE's etc. and requires SME's from industry and our group of instructors.
- **Bryan Messer:** Would like to keep Brian Buckley dealing with the Deans and Bryan Messer dealing with the instructors.
- **Brian Buckley:** is comfortable with Bryan Messer's solution.
- **Action Item:** Bryan Messer requests Articulation members to email him all email addresses for all Millwright Instructors in their department. He would like to create an updated email address list for all Millwright instructors in the province.
- **Brian Buckley:** Will gather the list of Deans at every institute who has Millwright in their portfolio.

Organizational Changes- ITA

- Jennifer Booth has retired from ITA. Her position has been filled by Vern Weber.

Permanent Meeting Location

- **Rick Czar:** Would like to travel to other campuses rather than BCIT every year.
- **Bryan Messer:** Agrees. Possible having the meeting twice at BCIT Burnaby/ATC then 1 year at another Institute.
- **Brian Buckley:** Another idea. Have the meetings around the province. Have a 2 day meetings. One day the articulation meeting and the second is some sort of workshop day.
- **Rick Czar:** Possibly changing the meeting date. Possibly changing to June because of weather.
- **Motion to change** the meeting dates from Oct/Nov to last 2 weeks of June to more appropriate time. Motioned carried to change the date to June.
- **Motion to change** the location schedule to: BCIT one year, Kwantlen one year and third year is external to the lower mainland. Motion carried.
- **Motion to change** the meeting to a two day format on a Thursday and Friday. One day meeting and one day workshop. The host will have to organize the workshop. Motion carried.
- Hosts should structure the second day of the meetings to accommodate local flights times for those who have to fly out. For example: earlier start and end times.

Harmonization

- **Bryan Messer:** Discuss how Level 2 is going and how is Level 3 prepared for the instructors. Level 3 is dual stream meaning you might be running some current Level 3's and some harmonized Level 3's.
- **Russ Haugen:** Level 2 went really well with 4 or 5 students all year for Gap training. The new Level 2 class will be starting December 2019. Russ doesn't have any Gap level 3 students. The Gap training that was done in the previous year went really well.
- **Perry Taylor:** Last year Perry only taught one class of Level 2 and 3 GAP students. Sergio has one class in January 2020 that is full and only 1 GAP student in it.
- **Brian Myette:** There was some talk of having employers signing off on GAP training. What is the length of time for GAP training going to be for Level 3?
 - **Bryan Messer:** None. The ITA has a variety of different methods to provide GAP training. Due to the hours required for Level 3 GAP training it was decided to Dual Stream. This requires institutes to offer intake(s) of both L3-C AND L3-H. Apprentices should enroll in the appropriate course for the stream they are in. Basically, the funding is not there to provide an extra 30 hours of training so this method alleviates the funding issue by requiring colleges to designate scheduled classes as "Current" or "Harmonized". It will be important for the Registrars to ensure that the people that need to stay in current get into current Level 3 and then transition into current Level 4 before it harmonizes.

- **Bryan Messer:** Requested Colleen Rogan(ITA) to send every current Level 2 and current Level 3 an email every second month encouraging them to get enrolled and stay ahead of the transition. ITA does not want to do this because they do not want to inundate the students with information.
 - **Bryan Messer:** Someone is going to get left out. Pass these students on to ITA.
- **Brian McClinton:** The clarity is not there about who is providing the self-study.
 - **Bryan Messer:** ITA has designated the training providers are to supply the self-study. ITA will not email to student's personal email address. The self-study package was developed at BCIT's expense and is hosted in the Repository for all provincial instructors to access.
 - How we complete L2-GAP at BCIT:
 - Bryan gets all email addresses from his Registrar and emailed all GAP students informing them to email himself at least 6 weeks prior to Level 2 start date.
 - Replies to the email with a pre-written form letter (in the package hosted in the repository) and sends them the package files himself. This is to keep control over BCIT Millwright students.
 - The student complete the self-study portion and arrives for class on the Wednesday preceding the class start date. Wednesday to Friday is used to complete the practical portion of the GAP training.

- BCIT had about 12 students who took GAP last year.

Bryan Messer: What is each training providers plans for dual streaming Level 3 in 2020?

- Discussion
- BCIT is the only school who is dual streaming.

Break

ITA presentation – Vern Weber.

Attachment 1 ITA Presentation

Attachment 2 ITA Presentation

- **Matt Sumner:** Is there any regional money available for students to pay for training?
 - **Russ Haugen:** We have some local Indigenous communities that pay for students training.
- **Brian Buckley:** How closely has the ITA worked with industry reps? An employer needs to be aware that this is going on and free their apprentices to come to class when they need to.
 - **Vern Weber:** It is all over the spectrum. Some employers who are very diligent and others who are not.
 - **Matt Sumner:** Many employers are hiring apprentices because they are cheap, not because they want to deal with education.

- **Vern Weber:** All the apprentices in the system are emailed a letter letting them know what is happening in the program. Also, it describes the pathway for each level. Everyone has been sent some correspondence.
 - **Bryan Messer:** Please be aware that sending an email to their ITA profile email address does not constitute communication. Communication happens when someone is “spoken to” and confirmation occurs back to the originator.
- **Brian McClinton:** When the students actually register how do they confirm whether they are harmonized or not.
 - **Bryan Messer:** Our registrar’s office checks the ITA profile to check if students are harmonized or not. Harmonization is registered on their training record/profile. It is the apprentice’s responsibility to know what stream they are in and our registrars should not be catching so many apprentices trying to enter incorrect streams.
- **Vern Weber:** There was some feedback from students saying we didn’t cover plasma.
 - **Bryan Messer:** Anything to do with questions for the SLE is coming out of Alberta or the BC Millwright Manual. The BC manual does not cover Plasma and the Alberta ILM is too in-depth for the level of training apprentices get on plasma. SLE facilitators must ensure the SME’s understand that they cannot create a question “out of the book” unless it is also included in the provincial outline.

- **Bryan Messer:** For many years now students have been scheduling their own school. I received a report from BCIT's registrar's office. In the report I only looked at the first 5 lines (students), their first day of school (Level 1) and the day they wrote the IP. Some students are completing in under two years and I could find none in the first two pages who actually took four years to complete a four year apprenticeship.
 - **Rick Czar:** At the beginning of every class I print out ITA's outline and ask the students to bring it to their supervisor before they come the following year.

SMC International Training Presentation – Sasan Momeni

- Demonstration of a line of functional, transparent hydraulic training components.

Lunch

Skills Canada presentation - Robert Braun

Attachment 3 Skills BC Canada Presentation

BC Campus Presentation –Tim Carson

Attachment 4 BC Campus Presentation

- **Brian Buckley:** We participated in some of the ITA innovation projects last year. There is some money left over and they have asked us to do a couple more projects. These are games designed to allow students to build their math essential skills. The first few were done with some specific trades in mind. The ones that are to be developed this year are designed for trades clusters. The problem we have is finding a suitable place to host

these. Is the BC Campus an area that something like this could be hosted?

- **Tim Carson** – I'll speak on behalf of BC Campus to a degree. BC Campus would be happy to host some if not all of that. But it becomes a licensing issue. There is some negotiation on partnering with TTBC or BC Trades modules.
- **Bryan Messer**: We have a 23-year-old textbook. It's been in various situations to update it and then that fell through. I believe ITA still holds the copyright. Can we apply for a grant from BC Campus and \$180,000?
 - **Tim Carson**: No, but there are different ways we can do this. If you guys have already done a gap analysis of what you need on your documents. There are other ways we can get funding to get you where you need to go. There are commitments we can make to see if we need to do this all at once. We can take the approach of trying to get 3X \$60,000 instead of 1X\$180,000. There is room to talk and negotiate.
 - BC Campus has looked into getting funding from Industry.
 - **Bryan Messer**: We do have an out of date Gap analysis, it was pre-harmonization. It will have to be redone. If we were to get that done then would the best path forward be to apply for one of these grants?

- **Tim Carson:** Do a proposal for all of it and send it to me personally.
- **Russ Haugen:** What happened to the money that was given for the project?
- **Bryan Messer:** I have heard from multiple people that the \$275,000 was not all ours.
- **Russ Haugen:** Is there a chance from ITA that they will fund a portion of this?
- **Brian Buckley:** The royalties were reviewed and were not the property of one particular articulation but the property of the system. I believe they got used in the development of Electrical.

Apprenticeship Time Allotment- Further discussion from 2018 Articulation meeting

- **Bryan Messer:** I personally would not be willing to approach ITA requesting we need more than 7 weeks per level unless we have employer letters in hand that represent 60% to 70% of the millwright apprentices currently in the system. Carey Price (Millwrights Union 2736) has provided letters that represent 3%. I've done some research with trades which have received extensions. Every time extension I have found is based on extra content added due to harmonization.
- **Bryan Messer:** Two things going forward. We can hold out hope and say we would like 70% representation before moving forward or as a group we see this as a lost cause and we do not want to pursue this anymore.

- **Brian Buckley:** If it is a legitimate cause and the group decides to drop it, it will reemerge in the future.
- **Russ Haugen:** I spoke with Maintenance Managers at Canfor and 2 of 3 said it is not a school issue but more on their side. Employer's responsibilities are not being met as well as they should be.
- **Bryan Messer:** If we are going to put energy into something I would rather put energy into dealing with the ITA and encouraging them to hold the employers accountable to what they do rather than worry about the time. An apprentice is better served by ensuring the employers meet the 70% scope of trade which is an ITA requirement, yet which ITA does not enforce.
- **Bryan Messer:** Propose a motion to table any further discussion about apprenticeship time allotment until we see the need to do so. Motion approved.

Incoming Exams

- **Bryan Messer:** Suggests we implement the practice of having an incoming exam, which counts for marks, on the first day of Levels 2, 3 and 4. For example; a student completes Level 1. On the first day of Level 2 they have an incoming exam based on Level 1 content. 20% of a Level 2 mark is based on their retention of Level 1.

- **Bryan Messer:** I don't know if 20% is the appropriate amount for Millwright. I would like to explore this option.

- **Bryan Messer:** As an articulation committee if we were to approach the ITA and say we do not wish for students to return to another level of training within 8 months.
 - **Brian Buckley:** Your best strategy as a group is not allowing students to register unless they have completed the correct number of months. We can say as an articulation committee we recommend to all institutions not to allow apprentices to register.

- **Process Piping Curriculum**
 - This content is more detailed than in previous Provincial Outline. Our Current BC Millwright Manual does not adequately cover the subject.

 - **Bryan Messer:** Two options exist:
 - Source information and temporarily use to cover the content
 - There is a potential funding source in BC Campus. We can put in an articulation proposal to create the content for this subject.

Action Item: Bryan Messer to email articulation members about who wishes to be involved with development of process piping curriculum to create a proposal for BC Campus funds.

June 2020 meeting discussion

- Possibly have the meeting start around 10:00am so members can fly in the morning.
- Schedule the second day/afternoon session low priority in case members need to catch a plane late afternoon/early evening.
- Possibly have Bonnie Johnson do an educational workshop.
Group Discussion or Tim Carson from BC Campus

Meeting Adjourned

A man wearing safety glasses and a dark blue work shirt is working on a large, complex metal component in a workshop. He is using a tool to adjust or tighten a part of the machinery. The background shows various tools and equipment hanging on the wall.

ita

YOUR TICKET.

Industrial Mechanic (Millwright)

Articulation Committee Meeting

Vern Weber, ITA November 29, 2019



ita

Agenda

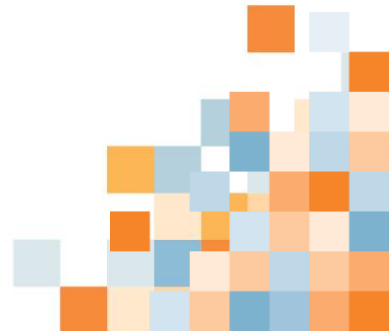
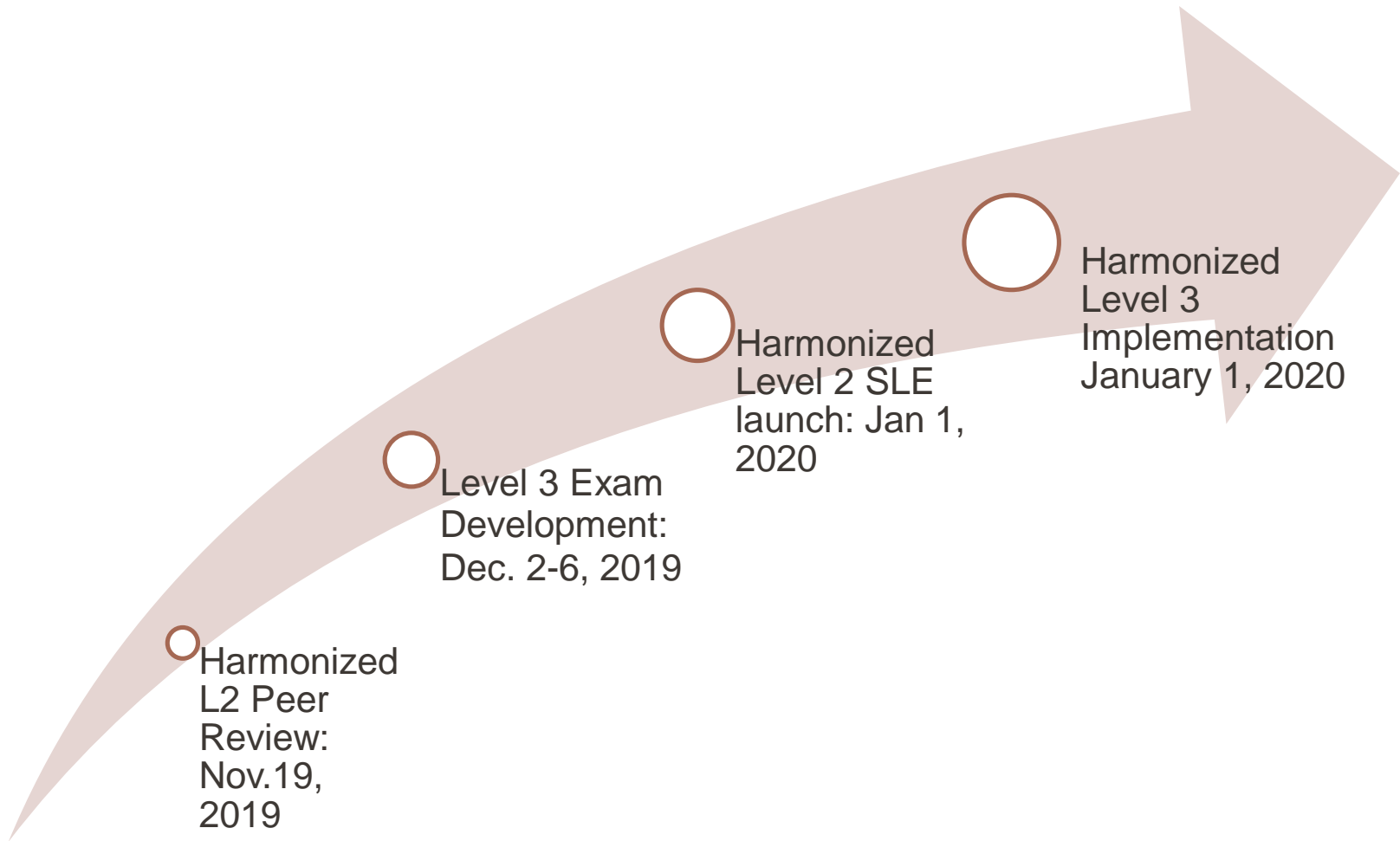
- Harmonization
 - Update on transition process to Harmonized implementation
- Apprenticeship Numbers
 - Transition notes
- Standard Level Exam (SLE) Statistics
 - Focus on H SLE 1 results
- Inter-provincial (IP) Exam Statistics
- Q&A



Apprentices in System

| | |
|---------------|------|
| Reporting | 1349 |
| Non-reporting | 751 |
| Total | 2100 |

Next Steps



Transition Details:

| Implementation Timelines | |
|----------------------------|-----------------|
| Level 1/ Foundation/ Youth | January 1, 2018 |
| Level 2 | January 1, 2019 |
| Level 3 | January 1, 2020 |
| Level 4 | January 1, 2021 |

| | | | | |
|-----------------------|-----|-------------------------------|------------|------------|
| Year 1 2018 | HL1 | CL2 | CL3 | CL4 |
| Year 2 2019 | HL1 | HL2 Gap Training 17 hrs | CL3 | CL4 |
| Year 3 2020 | HL1 | HL2 Gap Training 17 hrs | HL3 CL3 | CL4 |
| Year 4 2021 | HL1 | HL2 | HL3 | HL4 CL4 |



Apprenticeship Status (non-Harmonized)

| Apprentices in System | |
|-----------------------|-----|
| Reporting | 440 |
| Non-reporting | 189 |

| Highest Level Achieved | | | | | |
|------------------------|---|----|----|-----|-----|
| | 0 | L1 | L2 | L3 | L4 |
| Reporting | 0 | 0 | 87 | 220 | 133 |
| Non-reporting | 0 | 0 | 87 | 34 | 68 |

| Apprentices by Region | | | | | |
|-----------------------|-----|-----|-----|-----|-----|
| | 0TT | 1TT | 2TT | 3TT | 4TT |
| North | 0 | 0 | 36 | 78 | 75 |
| Lower Mainland | 0 | 0 | 99 | 95 | 67 |
| Island | 0 | 0 | 11 | 15 | 13 |
| South East Interior | 0 | 0 | 20 | 60 | 41 |
| Other | 0 | 0 | 8 | 6 | 5 |
| Total | 0 | 0 | 174 | 254 | 201 |

Current **(non-harmonized)** Level 3 classes: 2020

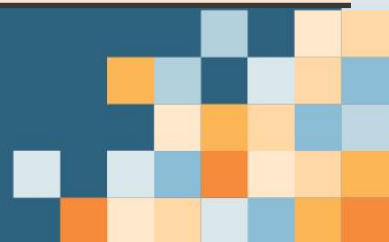
| Training Provider | Class begins | Class ends |
|-------------------|--------------|------------|
| BCIT | Jan. 6 | Feb. 21 |
| New Caledonia | Jan. 6 | Feb. 21 |
| BCIT | April 14 | May 29 |
| Coast Mountain | July 6 | Aug. 21 |

Apprenticeship Status (Harmonized)

| Apprentices in System | |
|-----------------------|-----|
| Reporting | 909 |
| Non-reporting | 562 |

| Highest Level Achieved | | | | | |
|------------------------|-----|-----|-----|----|----|
| | 0 | L1 | L2 | L3 | L4 |
| Reporting | 487 | 251 | 171 | 0 | 0 |
| Non-reporting | 450 | 107 | 5 | 0 | 0 |
| Total | 937 | 358 | 176 | 0 | 0 |

| Apprentices by Region | | | | | |
|-----------------------|-----|-----|-----|-----|-----|
| | 0TT | 1TT | 2TT | 3TT | 4TT |
| North | 244 | 82 | 59 | 0 | 0 |
| Lower Mainland | 331 | 174 | 52 | 0 | 0 |
| Island | 98 | 28 | 14 | 0 | 0 |
| South East Interior | 211 | 58 | 45 | 0 | 0 |
| Other | 53 | 16 | 6 | 0 | 0 |
| Total | 937 | 358 | 176 | 0 | 0 |



Webpage Updates:

INDUSTRIAL MECHANIC (MILLWRIGHT)

Millwrights install, repair, overhaul and maintain machinery and heavy mechanical equipment, such as conveyor systems in diverse settings including repair shops, plants, construction sites, mines, logging operations, ski hills and most production and manufacturing facilities. Millwright is designated as Industrial Mechanic (Millwright) under the Inter-provincial Red Seal program. Millwrights also perform routine maintenance activities, such as cleaning and lubricating equipment, adjusting valves and seals, and investigating breakdowns.

OVER THE NEXT FOUR YEARS THE MILLWRIGHT PROGRAM WILL BE CHANGING. WHERE ARE WE NOW?

JANUARY 2018 - DECEMBER 2018

| Level 1 | Level 2 | Level 3 | Level 4 |
|-------------|-----------|-----------|-----------|
| Harmonized* | Current** | Current** | Current** |

*Harmonized = Program stream with re-aligned content beginning in January 2018

**Current = Program stream for apprentices who've completed level 1 training before January 2018

If you are unclear as to what program you are registered in, or unclear as to which program you should be following, please contact [ITA Customer Service](#).

[back to results](#)

Program Updates:

Transitioning to the Harmonized Program

- **October 2018:** For information regarding Year 2 of transition, see the [Transition Update](#).
- **November 2017:** For information about the [Transition Plan](#), please see the [Program Update](#).
- **May 2017:** For details of changes to the program, please refer to [OPSN 2017 007](#).
- If you have any questions, please contact [ITA Customer Service](#)

Standardized Level Exams

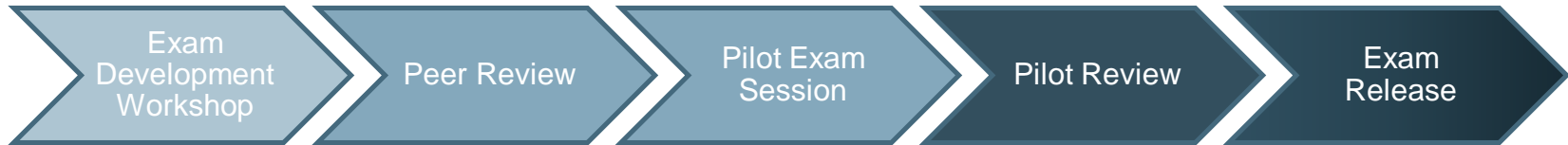
- **Harmonized Level 1:** exam launched September 2018, see [OPSN-2018-017](#) for details and [Exam Weighting Chart](#).
- **Current Level 2 & 3:** See [Exam Weighting Charts](#) for details

[view training providers](#)

HARMONIZED PROGRAM INFORMATION - LEVEL 1 IN EFFECT JANUARY 2018

| | | |
|-----------------------|---|---|
| Program Profile | Describes the requirements for apprentices and challengers to earn certification. | Download (157 KB) |
| Program Outline | Guidelines for delivery of technical training at ITA Recognized Training Providers | Download (1,044 PDF KB) |
| Exam Weighting Charts | The Exam Weighting Charts for the Harmonized level exams will be made available as the Harmonized level exams are launched. | Download (133 KB) |

SLE Development Process



- Exam Development Workshop
 - Program Outline → OAC → ToS → Exam Bank
 - Direct link from Program Outline content to Exam Bank content
- Peer Review
 - Review of test forms by a different SME group
- Pilot Test & Post Pilot Review
 - Students provide quantitative, qualitative feedback
 - SME & Instructor response to feedback, further revisions if needed
- Exams monitored as much as possible for 1 year / 100 writes

Millwright Harmonized SLE 1 Results

| Month/Year | 2018-19 |
|--|---------|
| Number of Writes | 166 |
| Pass Rate | 59% |
| Average Exam Mark | 71% |
| Average per GAC A – Perform Safety-Related Practices | 79% |
| Average per GAC B – Use Tools and Equipment | 74% |
| Average per GAC C – Perform Routine Trade Activities | 69% |
| Average per GAC D – Use Communication and Mentoring Techniques | 89% |
| Average per GAC E – Perform Measuring and Layout of Piece | 77% |
| Average per GAC F – Perform Cutting and Welding Operations | 50% |
| Average per GAC G – Perform Rigging, Hoisting/Lifting and Moving | 64% |



Harmonized Level 1 Weighting Chart

| Harmonized Level 1 GAC | % |
|---|------|
| A. Perform Safety-Related Functions | 15% |
| B. Use Tools and Equipment | 20% |
| C. Perform Routine Trade Activities | 25% |
| D. Use Communication and Mentoring Techniques | 2% |
| E. Perform Measuring and Lay Out of Work Piece | 13% |
| F. Perform Cutting and Welding Operations | 5% |
| G. Perform Rigging, Hoisting/Lifting and Moving | 20% |
| TOTAL | 100% |

The table shows the approximate percentage of weighting per General Area of Competency (GAC) represented on the Harmonized Millwright Level 1 exam



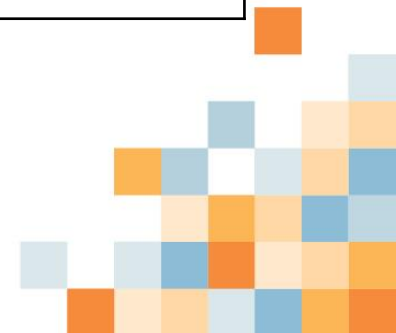
Millwright SLE 2 Results

| Month/Year | 2016 (May-Dec) | 2017 | 2018 (Jan-Dec) |
|---|----------------|------|----------------|
| Number of Writes | 168 | 213 | 197 |
| Pass Rate | 65% | 69% | 72% |
| Average Exam Mark | 74% | 74% | 75% |
| Average per GAC B - Trade Science | 75% | 75% | 76% |
| Average per GAC D - Lubricants, Seals, and Bearings | 77% | 77% | 77% |
| Average per GAC E - Install Equipment | 71% | 71% | 71% |
| Average per GAC F - Cut, Fit, and Fabricate | 68% | 69% | 69% |
| Average per GAC H – Service Power Transmissions | 62% | 65% | 67% |
| Average per GAC I – Service Fluid Power | 79% | 78% | 77% |



Millwright SLE 3 Results

| Month/Year | 2016 (May-Dec) | 2017 | 2018 (Jan-Nov) | 2018-19 (Oct-Oct) |
|---|-------------------|------|-------------------|----------------------|
| Number of Writes | 111 | 267 | 186 | 253 |
| Pass Rate | 75% | 73% | 74% | 76% |
| Average Exam Mark | 75% | 75% | 75% | 75% |
| Average per GAC H – Service Power Transmissions | 74% | 75% | 75% | 76% |
| Average per GAC I – Service Fluid Power | 77% | 74% | 74% | 74% |
| Average per GAC K – Service Pumps | 71% | 69% | 71% | 72% |
| Average per GAC L – Service Material Handling Systems | 81% | 79% | 79% | 78% |
| | | | | |



MILLWRIGHT IPSE

| Millwright IPSE | | | | | |
|--|------|------|------|--------|---------|
| Year | 2015 | 2016 | 2017 | 2018** | 2019*** |
| Number of Writes | 207 | 221 | 242 | 176 | 235 |
| Pass Rate | 85% | 89% | 84% | 72% | 71% |
| Average Exam Mark | 77% | 78% | 77% | 73% | 73% |
| National Apprentice Pass Rate* | 65% | 76% | 72% | 70% | |
| Block 1 Average - Common Occupational Skills | 82% | 82% | 81% | 79% | 78% |
| Block 2 Average - Rigging, Hoisting/Lifting & Moving | 84% | 86% | 83% | 71% | 70% |
| Block 3 Average - Mechanical Components & Systems | 76% | 75% | 74% | 69% | 69% |
| Block 4 Average - Material Handling/Process Systems | 79% | 74% | 73% | 74% | 74% |
| Block 5 Average -Hydraulic, Pneumatic & Vacuum Systems | 71% | 77% | 75% | 72% | 72% |
| Block 6 Average - Preventative & Predictive Maintenance, Testing & Commissioning | 67% | 77% | 76% | 76% | 77% |

Millwright IPSE Results Summary

*Includes apprentice writes only for 2016-2018 – note that this statistic only includes results from jurisdictions who distinguish between apprentices and challengers.

**Statistics are from January – October 2018

*** Statistics are from October 2018 – September 2019



ita
YOUR TICKET.
itabc.ca



Industrial Mechanic (Millwright) Articulation Committee Meeting, November 29, 2019, BCIT Airport Campus

Industry Training Authority (ITA) Presentation- Vern Weber, ITA Program Development Officer

Slide 1

VW noted that Program Standards manager, Colleen Rogan, would have liked to attend the Articulation meeting, but she had to fly to Calgary on family business. VW said a few words about his background as a Program Development Officer with ITA.

Slide 2

VW presented the agenda: Update on the transition process from Current program to Harmonized program; Apprenticeship numbers; Transition notes; Standard Level Exams statistics, IP statistics.

Slide 3

To provide a general snapshot of apprentices in the trade, VW presented a slide showing the numbers of apprentices in the system, broken down into Reporting and Non-reporting. (Reporting 1349, Non-reporting 751).

Slide 4

VW outlined recent activities on the path to Harmonization, and next steps toward full implementation. Activities included: L2 Peer Review, L3 Exam Development, Level 2 SLE launch, and Harmonized L3 implementation.

Slide 5

The Transition Details illustrating the roll-out of harmonized classes as per the Transition Plan was shown. Gap Training of 17 hrs. for HL2 was scheduled to be continued in 2020 and HL3 was to be implemented in January 2020 and dual streamed alongside CL3. 2020 was scheduled to be the last year for CL3 classes.

Slide 6

Slide 6 illustrated the numbers and status of apprentices in the Current (non-Harmonized) program by region and level. Attention was focused on the Current L2 apprentices and how many apprentices remained to get through CL3. There was significant group discussion on the matter and time was spent going back & forth from this slide to the previous (slide 5) and the next (slide 7). There was a request to have the number of Current Level 2s by region broken down into Reporting and Non-reporting categories.

Slide 7

A table displaying the listing of forecasted classes covering Current Level 3 in 2020 was shown. Discussion arose over whether all of the training providers listed could in fact be expected to deliver CL2. Also, some discussion re: whether some classes in 2020 could be converted to CL3 classes to cover off the remaining apprentices. It was pointed out that at this point registrations for upcoming CL3 classes were low.

Slide 8

Apprentice numbers in the harmonized program were shown. 909 reporting & 562 Non-reporting.

Slide 9

VW showed where Harmonization/ Transition/ Exam information could be found on the ITA Industrial Mechanic (Millwright) webpage, including the Program Outline, Program Profile, and Exam Weighting Charts, (Official Program Standards Notice) OPSNs and other updates.

Slide 10

VW presented the Standard Level Exam Development process. He outlined the steps involved, including the exam development process, the pilot exam and post-pilot review, the peer review of the exam, and the monitoring of exams over the next year.

Slide 11

Recent results for the Millwright harmonized SLE Level 1 were shown. The Pass Rate had dipped a little, but it was explained that this is not totally unusual for a first year of a new SLE after transitioning to a new program.

Slide 12

An exam Weighting Chart for the Harmonized Level 1 exam was shown. VW pointed out which GACs may be bringing down the exam scores. (GAC C: Perform Routine Trade Activities and GAC G: Perform Rigging, Hoisting/Lifting and Moving. Time was spent going back & forth between the Exam Weighting Chart and the results per GAC of the previous slide.

Slides 13-14

Results for the Level 2 and 3 SLEs were shown.

Slide 15

Results for the IPSE were shown. It was noted that BC has just recently started using the latest IP exam version (Sept 2019), hence there were no results to share for 2019.

Welcome To Skills BC



**Congratulations
College of New Caledonia (CNC)**

BC Millwright Success

Dustin Cathcart Wins

GOLD!!!!!!!!!!!!



College of New Caledonia (CNC)



Skills BC



- **Vision**

- Today's youth become tomorrow's skilled trades and technology leaders.

- **Mission**

- Be the catalyst that creates and fosters connections within communities facilitating exposure to trades, technology, and career opportunities for youth.

- **Success**

- Skills Canada BC leads and coordinates youth engagement in trades and technology careers in BC

Where Will Your Institution Be?

Post Secondary/Apprentice Level Competition Competitor Classification:

Competitors must not be a fully certified journeyperson (or equivalent) in the contest area in which they wish to compete at the time of the competition.

AND must attend a post-secondary school or accredited training institution that is affiliated with Skills Canada BC, between July 1st of the year of the last SkillsBC Competition and the date of the SkillsBC Competition for which the student is registered.

AND be less than 29 years old on December 31st of the year of the SkillsBC Competition



Vancouver May 28-29 National Competition



Skills Canada BC is Hosting the 2020 Nationals!



Skills BC website address:

- <http://skillscanada.bc.ca/>

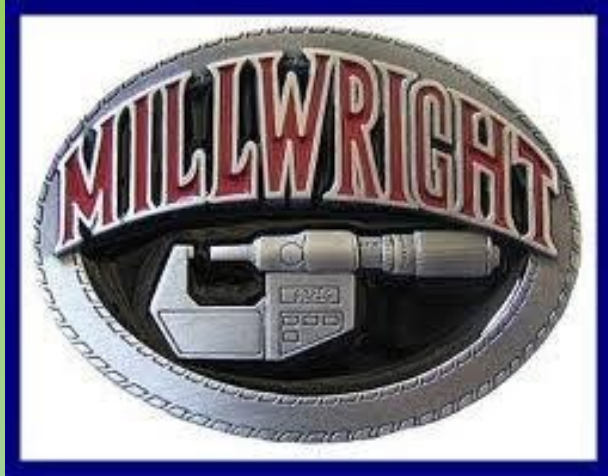
All the Info you need !





Jamie Maxwell Manager of Competition

- Jamie works directly with Skills Canada BC's Tech Chairs and Regional Coordinators. To discuss your competition needs please contact Jamie directly:
- **Email: jmaxwell@skillscanada.bc.ca**



THANK YOU
FOR
YOUR TIME





BCcampus

Learning. Doing. Leading.



Actively improving access to education in B.C.

[READ MORE](#)

Topics of Practice



At BCcampus, we support the adaptation and evolution of teaching and learning practices in post-secondary institutions across British Columbia through collaboration, communication, and innovation.

News [view all news](#)



SEPTEMBER 12, 2019

Pressbooks Guide - Import Options for Pressbooks Content

Find Open Textbooks

-- Filter -- SEARCH

Results: **19 Open Textbooks**

Line A - Safe Work Practices Competency A-5: Describe Fire Safety

Author(s): Camosun College

Updated: May 10, 2019

Description: As a trades worker you have a responsibility to work safely, and fire prevention is a primary concern. Many of the work tasks you carry out include the application of heat and flame. You should be able to apply fire prevention practices, identify fire causes, and identify and apply fire extinguishing agents to control or extinguish a fire. You are not expected to be an expert firefighter, but you may have to deal with a fire to protect your safety and the safety of others. The following list o...[\[more\]](#)

Adopted Accessible Ancillary Resources

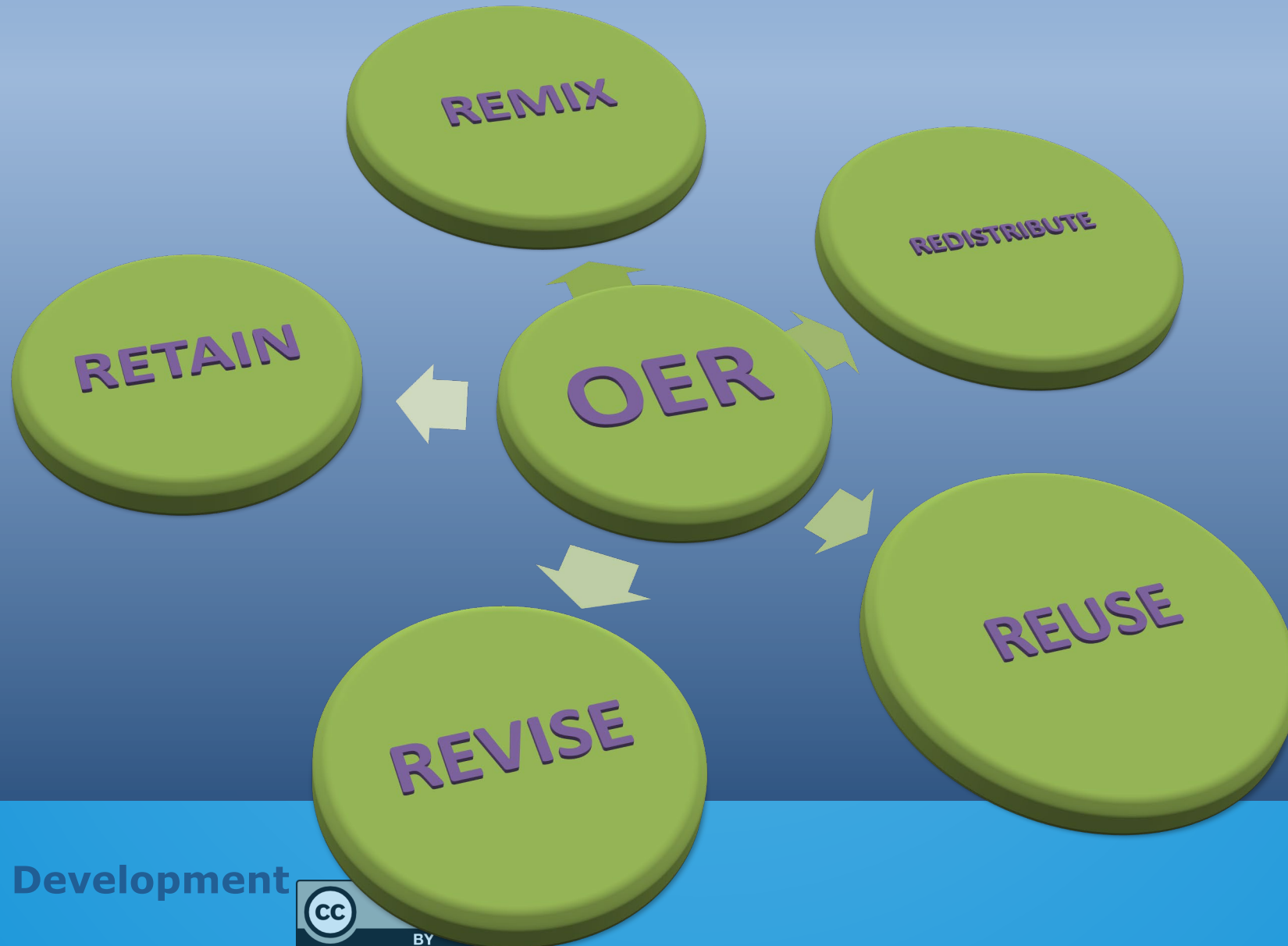
Open Educational Resources for Trades

What is Open?

Teaching, Learning, and Research
Resources that through permissions
granted by their creator, allow others to...












Open Educational Resources for Trades



Open Educational Resources for Trades



| LICENSES | TERMS |
|---|--|
|  CC BY |  Attribution Others can copy, distribute, display, perform and remix your work if they credit your name as requested by you |
|  CC BY SA |  No Derivative Works Others can only copy, distribute, display or perform verbatim copies of your work |
|  CC BY NC |  Share Alike Others can distribute your work only under a license identical to the one you have chosen for your work |
|  CC BY NC SA |  Non-Commercial Others can copy, distribute, display, perform or remix your work but for non-commercial purposes only. |
|  CC BY NC ND | |

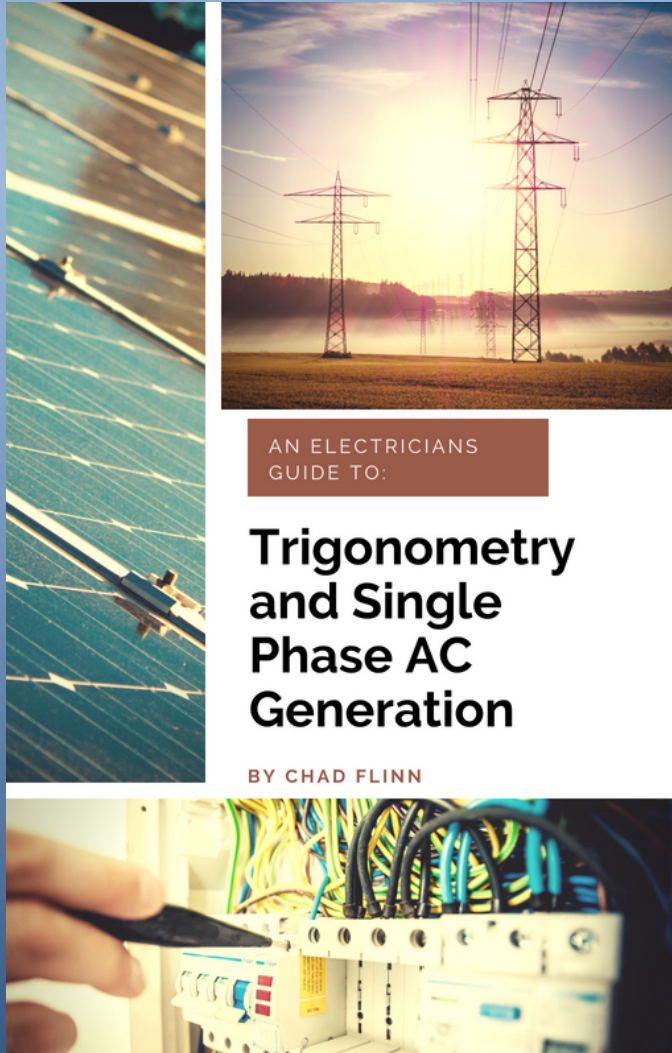


Essential Skills Companion Kit for Culinary Arts Trades Training



Faculty Adoption

Open Educational Resources for Trades



Faculty Adaptation

Meat Cutting and Processing for Food Service



open.bccampus.ca

BCcampus # OpenEd

Faculty Review



Modern Pastry and Plated Dessert Techniques

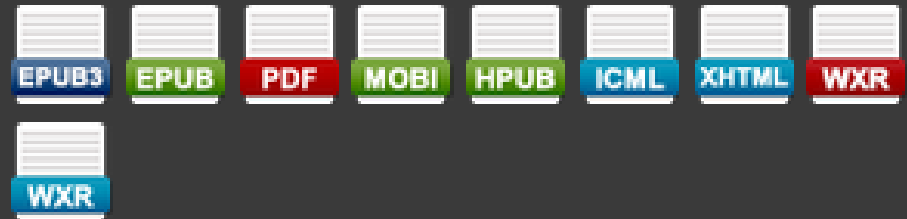


open.bccampus.ca

BCcampus #OpenEd

Alternate Formats

This book is also available for free;
download in the following formats:



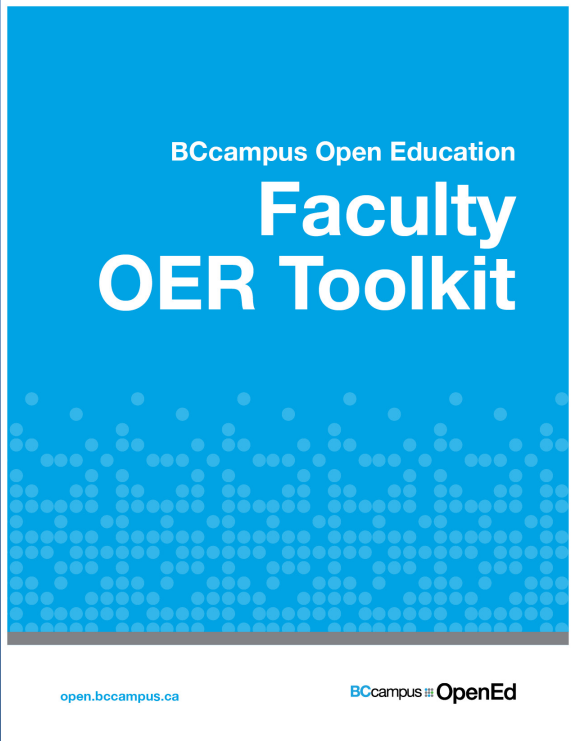
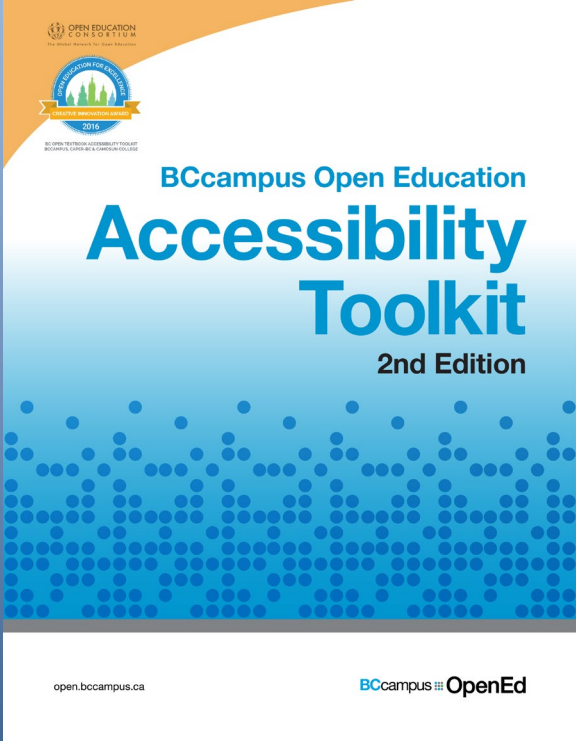
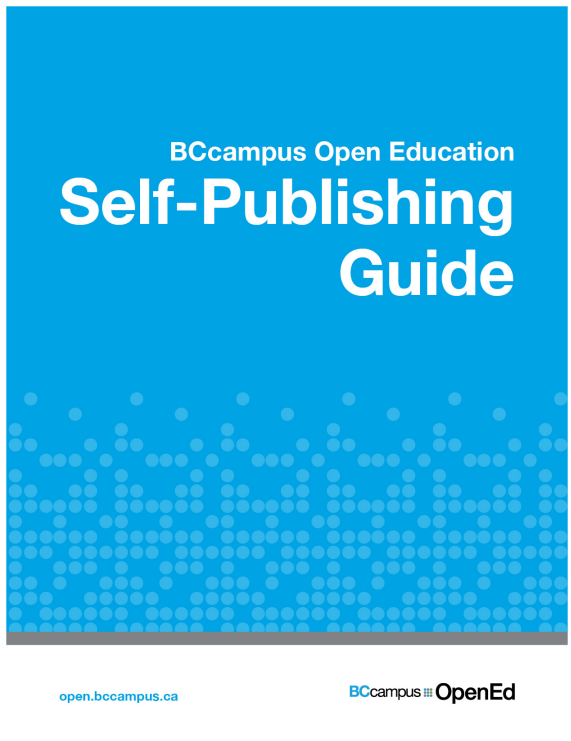
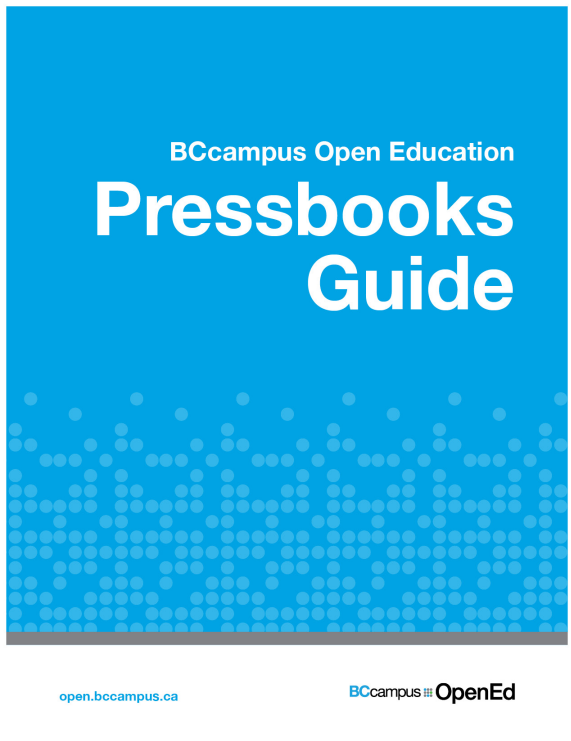
Choices for Students

Don't reinvent it...



Speed in Revisions

What's Available to Assist You...

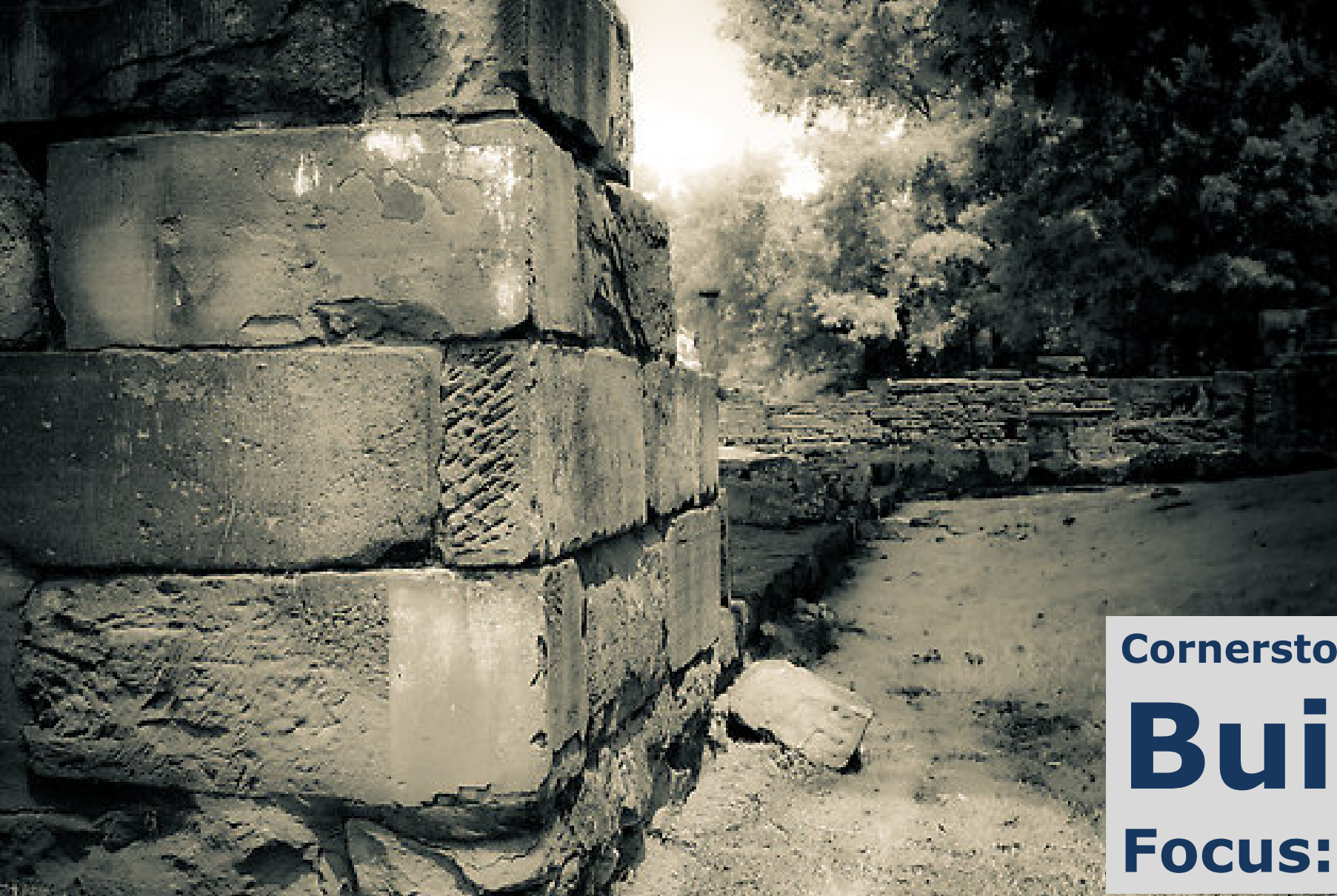




4 Cornerstones to the Trades OER Project

Trades OER Development

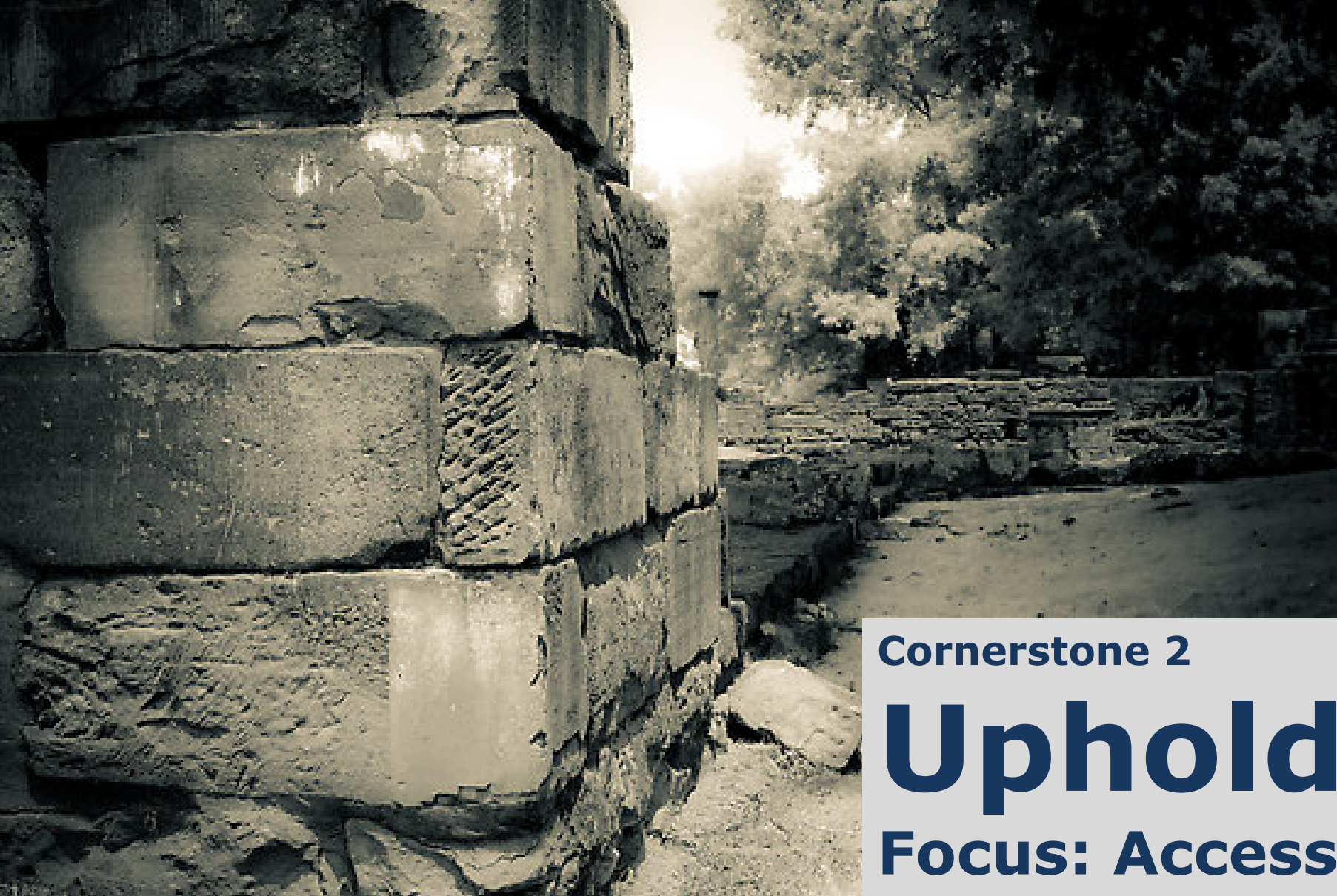




Cornerstone 1

Build

Focus: Relationships



Cornerstone 2

Uphold

Focus: Access & Affordability

Trades OER Development





Cornerstone 3

Fund

Focus: Resources & Sustainability

Trades OER Development





Cornerstone 4

Research

Focus: Innovation & Advocacy

Trades OER Development



Grant Recipients

| | |
|--|-------------|
| Math for the Trades Mark Overgaard / Chad Flinn | BCIT |
|--|-------------|

| | |
|--|-------------|
| Basic Control Circuits Aaron Lee / Chad Flinn | BCIT |
|--|-------------|

| | |
|---|------------|
| Horticulture Line F – Betty Cunnin | KPU |
|---|------------|

| | |
|--|------------|
| Welding Level 1 (Foundation) - Dave Drury | VIU |
|--|------------|

Next Round of Funding (Calls for Proposals)

Feb 25 – Mar 13



Questions