

Trades ZTC and OER Development

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Contacts

Name	Title	Contact Information
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Term II Project Page

Advisory Group Members

Group	Organization	Name	Subject Matter Background
Province Association / Authority	AEST	Kim Buchanan	Ministry of Adv Ed
	AEST	Avery Bonner	Ministry of Adv Ed
Faculty	Trades Training BC	Pat Matthieu	Provincial Curriculum Development
	ITA	Anita Handregan	Director, Program Standards and Assessments
	BCCATA?	Guy Ellis	(information only - not on committee)
	VIU	Sally Vinden (AC)	Hairstylist
	BCIT	Chad Flinn	Electrical
	BCIT	Mark Deroche (AC)	Chief Instructor, Motive Power Division
	BCIT	Bryan Messer (AC)	Chief Instructor, Millwright
	TRU	Paul Simpson	Piping (plumber/steamfitter/sprinklerfitter/gasfitter)
	TRU	Darren Watt	Heavy Equipment
	TRU	Haileigh Shanks	Welder
Trades Union(s)	Camosun	Brian Coey (AC)	Sheet Metal
	Camosun	Olaf Nielsen	Chair, Trades Development & Special Projects (chair of Western Diversity Committee for Trades)
Instructional Designer(s)	College of New Caledonia	Mandy Newcomb	Culinary Arts
Librarian(s)	VCC	Elena Kuzmina	E-resources, Collections and Open Resources Coordinator
	Okanagan College	Ross Tyner	Director of Library Services
Women in Trades (W.I.T.)		TBD	
Recent Red Seal Endorsement		Terence Chan	Plumbing Contractor

- (AC) - indicates member is the chair of their respective articulation committee

Project Charter

1.Partners	2.Scope	3.Goals	5.Deliverables	6.Audience
<p>Project Manager BCcampus</p> <p>Sponsors Ministry of Advanced Education, Skills, and Training and BCcampus</p> <p>Champions Partners include advisory group, working group, articulation committees, in addition to project sponsors</p> <p>eCampus Ontario have begun a similar process and it is our intention to collaborate with ON to co-develop resources in alignment with BC standards</p> <p>ITA and Trades Training BC</p>	<p>In scope:</p> <p>Develop entire suite of freely available resources including textbooks, test banks, homework assignments and other ancillary resources to replace costly commercial educational resources.</p> <p>Out of scope:</p> <p>Multiple phases to development to address all identified needs.</p>	<p>Reduce education costs, increase student access, and attract students to programs that meet provincial labour market needs.</p> <p>Impact more than 38,000 students enrolled in trades training programs across BC</p> <p>Create collaborative working relationship with Trades Training BC and ITA</p> <p>Provide new high quality technological teaching and learning option for instructors to use in trades training.</p> <p>Increase learning flexibility</p> <p>Reduce cost of learning resources for students.</p>	<p><input type="checkbox"/> Second trades instructor to BCcampus to better understand the culture of the trades as it pertains to open, lead advocacy and adoption</p> <p><input type="checkbox"/> Create advisory group of trades instructors, ITA and Trades Training BC</p> <p><input type="checkbox"/> Liaise with eCampusOntario</p> <p><input type="checkbox"/> Map a sustainability model to ensure curriculum renewal of materials, funding for updates and developments in collaboration with Trades Training BC</p> <p><input type="checkbox"/> Capacity Building for trades instructors to integrate and use OER in trades training</p>	<p>The target audience includes Trades Deans, Trades instructional staff, instructional designers, students.</p> <p>Target audience includes approximately 38000 students currently enrolled in BC Trades programs.</p>

4. Risks and Planning	8. Requirements	7.Budget
<p>• Key risks include limited sector engagement with timelines and additional requirements exceeding the scope of the project</p> <p>Another identified risk is limited advisory and working group engagement and collaborative development processes</p> <p>See Chart of Accounts for Budget allocation</p> <p>Updated Budget April 8, 2020</p>	<p>• The development of OER in the trades will eliminate textbook and learning resource costs throughout entire programs.</p> <p>• All material created for this project will have a Creative Commons licenses.</p> <p>• All material created for this project will be openly shared for other jurisdictions, institutions, faculty and students to use.</p>	<p>Overall budget is \$500,000.00 including all administrative fees and staffing costs.</p> <p>See budget details below.</p>

Budget Item	Expense
Salaries and Benefits: Project Management	\$200,000
Travel and Meals: In person meetings and conferences	\$30,000
Meetings and Events: In person meetings	\$20,000
Contract Services: Curriculum Writers, Editors, SME	\$200,000
Project Fees: 10% Admin Cost	\$50,000
Total	\$500,000

Timeline

Year	Quarter	Activity	Announceables
1	First Quarter June-August 2019	<p>Second Trades instructor to BCcampus</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Create an advisory group of trades instructors, ITA, and Trades Training BC <input checked="" type="checkbox"/> environmental scan of Trades resources <input checked="" type="checkbox"/> investigate interest towards a consortium or conference for 2020 which highlights OER/OEP <input type="checkbox"/> design a journey mapping exercise with recent red seal grads <input checked="" type="checkbox"/> reach out to Canadian Apprenticeship Forum (supporting women in trades - SWIT) <input checked="" type="checkbox"/> reach out to Indigenous Training Groups (eg, ACCESS) 	<p>Please add key dates and items that are relevant for an announceable</p>

1	Second Quarter September - November 2019	<input checked="" type="checkbox"/> conduct first advisory group (AG) meeting <input checked="" type="checkbox"/> begin meeting with Deans / Associate Deans <input checked="" type="checkbox"/> identify those trades ready to adopt an open stance (getting closer after our first AG meeting - potential for a couple initiatives for a couple smaller trades (hairstylist, millwright, sheet metal) - will put more thought to this) <input checked="" type="checkbox"/> possibility of conducting a three-pronged approach to contracts this Quarter (articulation group initiatives / institutional partnerships / individual special projects associated with ZTC) - more thought to this over the next week <input checked="" type="checkbox"/> attend Trades articulation meetings (Attended; hairstylist) <input type="checkbox"/> conduct journey mapping with recent RSE grade <input checked="" type="checkbox"/> prep possible proposals for OER contract work <input checked="" type="checkbox"/> planning 1st OER for Trades Symposium in 2020. <input checked="" type="checkbox"/> build liaison with eON <input checked="" type="checkbox"/> Planning on conducting 'regional' OER 4 Trades symposiums - looking at 4 regions right now; Vancouver Island, South West (Lower Mainland-Fraser Valley), Central BC, Southeast (Kootenay region). Still looking at conducting them in the early spring (April) but also trying to connect it with a local institution's OER week. - created a 'child' page to plan and track <input checked="" type="checkbox"/> OER for the Trades grant proposals - adjudication <input checked="" type="checkbox"/> Notify applicants of outcomes <input checked="" type="checkbox"/> Notify Erin re: mar-com <input type="checkbox"/> write a short blog post re: my reflections with the first round of applications and first projects	
1	Third Quarter December 2019- February 2020	<p>Initial set of draft resources developed</p> <input type="checkbox"/> final planning stages of OER for Trades Symposium <input checked="" type="checkbox"/> strategize on how best to utilize region reps for relationship building and promoting the Summits <input checked="" type="checkbox"/> investigate swag/merch options for Summit <input checked="" type="checkbox"/> first stages of proposal awards for resource development <input type="checkbox"/> begin research for collaborative paper - Removing Barriers to Online Learning through a Teaching and Learning Lens	
1	Fourth Quarter March - May 2020	<input type="checkbox"/> successfully launch the first OER for Trades Symposium or successful launch of 4 regional symposiums <input type="checkbox"/> attend articulation meetings <input checked="" type="checkbox"/> second stage of proposal awards for resource development - possible larger grants with a focus on institutional partnerships <input checked="" type="checkbox"/> begin mapping a sustainability model - continuing the conversation with TTBC/ITA <input type="checkbox"/> resource development / edit	

Trades Grants Distributed

Term	Project Name	Lead Author(s)	Trade Discipline	Target Completion Date	Institution	Funding Amount
1 - 2019	Math for the Trades	Mark Overgaard, Chad Flinn	Plumbing, Electrical	Feb 1/2020	BCIT	10,500.00
1 - 2019	Basic Controls	Aaron Lee, Chad Flinn	Electrical	Feb 1/2020	BCIT	10,500.00
1 - 2019	Line F2 (2 Chapters)	Michelle Nakano, Betty Cunnin	Horticulture	Feb 1/2020	KPU	7,000.00
1 - 2019	Welding Level 1 (Foundations)	David Drury	Welding	Feb 1/2020	VIU	7,000.00
2-2020	Math for the Trades	Mark Overgaard, Chad Flinn	Piping, Electrical	Dec 31/2020	BCIT	15,000.00
2-2020	HVAC basic electrical	Aaron Lee	Electrical	Sept/2020	BCIT	5,000.00
2-2020	Line F2 (2 Chapters - complete F2 line)	Michelle Nakano	Horticulture	Sept/2020	KPU	5,000.00
2-2020	Welding Foundation Level	Bruce Neid	Welding	Sept/2020	CMC	5,000.00
2-2020	Hair Colour Line F13,14,15	Sally Vinden	Hairstylist	Dec 31/2020	VIU	10,000.00

2-2020	Sheet Metal Level 1	Brian Coey, Antonio Henriques	Sheet Metal	Dec 31/2020	Camosun & OC	25,000.00
2-2020	Industrial Mechanic Level 1	Bryan Messer	Millwright (Industrial Mechanic)	Dec 31/2020	BCIT	25,000.00

there will be separate pages created for each Grant Project in Term 2-2020

TTBC and BCcampus MOU

Partnerships

- TTBC, ITA, and Queens Printer
 - June 17, 2019: really good meeting with Pat, Guy and Jim today. They are totally on board with working with us but there will likely still be some conversations needed with ITA and Queen's Printer. Pat is going to put together sort of a workplan. She's struggling a bit because their process has been governed by what Open School and QP so is unsure of what things actually cost to do (I said our experience had been the OS is slower and more expensive). Anyway, those are the broad strokes. We think an MOU would be fruitful, and they are excited about announcing the partnership as well. Great stuff!!
 - Following up on that conversation - I had an interesting chat with Pat (Aug 9) re: the possibility of a pan-initiative for future resource development - have been invited and will attend a planning mtg with TTBC's Jim and Guy and hopefully begin to flesh this out a bit more. The biggest obstacle from Pat's perspective is sustainability.
 - Follow Up - Pat and I will be meeting Sept 9 at BCIT DTC, she will be showing me the enviro-scan she did prior to her launching the instructor resource project.
- Olaf Nielsen from Camosun asking about "WD" - had a great meeting one-on-one with Olaf to discuss partnership ideas between CAF (Canadian Apprenticeship Forum), Western Diversity (committee which Olaf chairs), and BCcampus. Olaf has asked me to sit on his committee to represent BCcampus, I accepted.

ZTC for the Trades

- had our first advisory group meeting and several initiatives come into focus with regards to moving forward;
 1. Working through articulation groups - there has been considerable interest from three articulation group chairs that their group would be ready to answer a call for proposals (Hairstylist / Sheet Metal / Millwright)
 2. Institutional Partnerships - in talking with several Deans there seems to be a keen interest in partnering with us/and other organizations to create the maximum leverage possible. Partnerships with TTBC are paramount here, with some emphasis on partnering with OER working groups from different institutions.
 3. Individual Contracts - in light of our recent OER team meeting there might be an opportunity to 'tap' a couple of faculty members to inquire about developing resources that would supplement ZTC initiative (eg. webinars, videos, instructor resources)
- there is also the possibility of cross-pollination when it comes to assisting other portfolio projects from other areas. Eg. - homework systems, STEM, search-ability - this would need to be fleshed out in greater detail but could provide more opportunity for the those we contract/partner with.
- the resounding sentiment from the meeting was we should focus on developing student resources particularly with those trades that have little or extremely outdated materials.

Gap Analysis (Sprint/Design Thinking)

- talked with two articulation chairs about the possibility of BCcampus hosting a sprint/design thinking style gap analysis of their newly harmonized provincial outlines.
- received very positive feedback from both and will pursue conducting these two activities in Jan/Feb.
- will develop a budget, agenda, and targets for each session
- this will highlight areas of top priority when it comes to curriculum development and moving towards a ZTC position with both trades.
- Millwright will be a tougher situation as their current resource is being looked at by one institution's Dean as a possible revenue source for the Millwright Dept.
- Hairstylist currently does not have a common or standardized curriculum set and each institution has historically built their own.