

Core Competency Ed Camp #EDCampBCCC
Saturday, Jan. 13, 2018
McRoberts Secondary School Richmond



Top Ten Takeaways

Janet Dhanani @ElevateEfficacy @FISA_BC

1. Core Competencies start with ourselves as teachers.

How are we engaging in critical and creative thinking regarding our daily routines, lessons, classroom structures, management styles, grading, reporting learning, comfort zones, etc.? How are we enhancing our communication competencies in explaining to students, parents, and each other the work being done in our classrooms? How do we foster our own personal and social competencies especially in terms of being open to change and willingness to collaborate?

“Teachers need to self-assess on CC what it means for the teacher as an individual. What if teachers also did this? If we were not modelling it with ourselves – our students need to see how we were growing as well.”

“Pro D for a year only about CCs for teachers. We go through the process ourselves so we have the experience. Our own digital portfolio to share with our families. We need to do the inner work of self-reflection.”

“Take a deep look at the culture in your staffroom. By asking a few questions, you can get to the core of what people believe about the CCs - start from there.”

@lizbellteacher Students reinforcing the importance of teachers being authentic, human and, even, vulnerable. Building connections leads to deeper learning.

2. Notice, name & nurture

Know them. Love them. Live them. Explicit. Visible. Defined. CCs loud and proud in every room. Anchor charts. Stickies. Graphics. Posters. Teachers walk around with clipboards giving prompts and “spotting the CCs”.

Communication - The communication competency encompasses the set of abilities that students use to impart and exchange information, experiences and ideas, to explore the world around them, and to understand and effectively engage in the use of digital media.

Thinking - The thinking competency encompasses the knowledge, skills and processes we associate with intellectual development. It is through their competency as thinkers that students take subject-specific concepts and content and transform them into a new understanding. Thinking competence includes specific thinking skills as well as habits of mind, and metacognitive awareness.

Personal and Social - Personal and social competency is the set of abilities that relate to students' identity in the world, both as individuals and as members of their community and society. Personal and social competency encompasses the abilities students need to thrive as individuals, to understand and care about themselves and others, and to find and achieve their purposes in the world. (MoE)

“Anchor Charts & Posters - make the core competencies visible. I can statements. Start small. Pick one competency and spend time with students unpacking what the I can statements means. Connect day to day learning goals to Big ideas that take more time to develop. Content links to competencies.”

3. CCs are embedded - not added on or replacing curricular competencies

CCs are already there, inside of students (and adults) waiting to be activated. Teacher's role is to reveal and enlarge the core competencies that are part of simply being human.

The core competencies along with literacy and numeracy foundations and essential content and concepts are at the centre of the redesign of curriculum and assessment. Core competencies are sets of intellectual, personal, and social and emotional proficiencies that all students need to develop in order to engage in deep learning and life-long learning. (MoE)

"CC adding richness to the texts and materials we teach. We are already doing it – we need to make it intentional, transparent."

@Barkerjbarker Our pedagogical approaches matter. We need to design learning that emphasizes our core competencies in deep, meaningful ways. It cannot be an add on. It must be embedded.

"Delta: Mind map for students to complete. Take it from class to class. Facilitated by teachers "remember when this...this was an example of social responsibility"....etc."

"We need to embed it in our thinking in order to be able to use it in our language."

4. The modernized curriculum is lived out through active student-centred pedagogies. Inquiry learning, Place-based learning, Interdisciplinary units, Thinking classrooms, Social Emotional Learning, Universal Design of Learning, Backwards Design, just to name a few!

"Inquiry often starts with a simple question (eg: What is the Gold Rush?)

"teach how to ask deep questions"

"Connect to where the learner is, places as text, responding to what's there, inspired by where you are."

"Until teachers experience inquiry-based learning, they can't really do it. Old way: Here are a few examples, try it yourself, test on Friday doesn't lead to conversations about competencies."

"Are teachers still busy doing what they were doing 10 years ago?"

"Dare I say, we have to recreate high school - reduce curricula expertise to more generalized interdisciplinary studies to reduce silos."

"Challenge to let go of comfort of our textbooks, teacher guides, content"

5. Parent and community involvement is a two-way street.

Educate parents about the "what" and the "why" of the modernized curriculum. Remove barriers for parents to come into schools and feel like they belong. Get students out into the community.

"What scripts are running in the background? What messages do we intentionally or unintentionally send to parents about where to go in a school, who to talk to, how to behave? - story of First Nations grandmother sitting rigid in the school office clutching her handbag."

"Just because a parent doesn't come the school, doesn't mean they are not interested."

"Create a podcast with slides/video of a school event; consider putting on an Ignite event - reach out to Vancouver Film School to help set up."

"Have a look at the Open Minds - Calgary - over 100,000 students have gone through the program. They spend 1 week in a business or community setting as their classroom."

6. Students need to be taught how to self-assess - means increasing self-awareness.

Teachers do not assess CCs. Step away from the grade book. Learn to document & curate student information/evidence and teach students how to document & curate evidence of their learning journey

(analogy and/or digital). Help them to be aware of their inner and outer world and to be able to use their awareness to prompt appropriate responses.

“Self-assessment is a competency, too -- kids needs time to practice self-assessment all through the year in every subject.”

“Student attendee’s view: self-assessment is difficult and annoying. Because it’s vague to pinpoint. We need the language to be able to write something on a piece of paper.”

Self-reference letter - similar to employment reference letter but students write it about themselves and how they exhibit CCs”

“What are you learning? As a learner, where did you come from, where did you grow?”

@LS_Karl Students: we need to make sure teachers are naming and identifying the competencies we are working on. We’re doing them, we need to be aware when that work is happening. #edcampBCCC

7. Shift from content to competency and thinking like a scientist, artist, writer, etc.

“The teacher needs to frame the value of the guest speaker around the Core Competencies. What is it like to be a scientist, design things?”

@19apples99 @EdCampBCCC @jnakowski38 We are “broadening the understanding of what math is.” We need to remember that this is a process in progress.

Roland (Grade 12 student): “We need to focus on steps, critical thinking, too focused on the answer and not the process.”

@ElleBeeBC “The most important things we are learning in school are how to THINK, COMMUNICATE, KNOW YOURSELF and BE WITH ONE AND OTHER”

“Changing mindset about what is “core” in mathematics - is it the content or how to learn/think?”

“Paradigm shift needed on the part of the teachers.”

8. Twitter is where it's at.

#EdCampBCCC was the brainchild of a twitter convo on #bcdchat in Oct. 2017. A short 3 months later, thanks to the work of @jnovakowski38 and @CarrieAntoniazz and their team, over 100 participants from independent schools, universities, organisations, students, and approximately 15 school districts shared and learned together! Special thanks go to @nskamide, @Hugh_McRoberts, and @RichmondSD38 for hosting.

@CraigMah Hey #EdCampBCCC! Did you know that @jnovakowski38 and @CarrieAntoniazz will guest moderate #bcdchat on January 28th? Share your learning! Mark it on your calendar! @EdCampBCCC

9. Good things happen when you stay till the end. Thank you to @RosePillay1 @k_addie @FreshGrade and @strong_nations for their contributions to our prize draw at #edcampBCCC

I am super excited to read my prize of “Starting a Movement” by Kenneth C. Williams & Tom Heirck. I heard Ken (@unfoldthesoul) talk at Learning Forward last year. He’s FANTASTIC!



10. A lot of work is happening in the field and people are eager to share. This compiled resource list from all the 17 sessions is a great place to start.

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Complete Googledocs with session notes here:

https://docs.google.com/document/d/1yI13DU0fhVN40-aiyilX9fnEfYYU_YvLN7tinWKwPJQ/edit

How can we involve members of the broader community in student growth and development?

Links/Resources	Description
Debbie Pushor @DrDebbiePushor	Researcher U of Saskatchewan Parent Engagement
David Istance OECD http://www.wise-qatar.org/david-istance-oecd-education-ecosystem	Innovative Learning Environments (ILE)
<p>Classrooms in the Community links Open Minds - Calgary http://cbe.ab.ca/ccom/Pages/Home.aspx Contact: davidbarnum@shaw.ca. Sunshine Coast SD 46</p> <p>Pilot Project in Chilliwack http://www.chilliwackmuseum.ca/blog/2017/12/20/pilot-project-to-take-place-in-the-new-year/</p> <p>UBC Article http://teljournal.educ.ubc.ca/2017/05/open-minds-constructing-learning-in-the-community/</p> <p>North Vancouver Pilot Project https://thepolygon.ca/engagement/education/</p> <p>Sunshine Coast Museum School http://www.sunshinecoastmuseum.ca/museum-school.html</p> <p>Kingston https://www.youtube.com/watch?v=Yd0GmLYeldQ http://www.thewhig.com/2015/04/16/education-program-takes-class-and-moves-it-out-into-the-community-for-a-week</p> <p>UCLA's Classroom-in-Residence at the Hammer Museum https://www.youtube.com/watch?v=8m6rMc5_um8</p> <p>Edmonton https://www.nhl.com/oilers/eocf/ice-school</p>	Links school to communities
<ul style="list-style-type: none"> • Christie Lee Charles - Musqueam Hip Hop singer https://bc.ctvnews.ca/new-mom-performs-hip-hop-in-musqueam-dialect-1.626142 • Musqueam https://twitter.com/musqueam?lang=en • Tsleil Waututh https://twitter.com/tsleilwaututh?lang=en • Lori Snyder, Metis Herbalist who does Indigenous plant walks and Native Gardens with schools https://www.facebook.com/events/834398363349613/ 	First Nations Speakers/performers
Sugata Mitra School in the Clouds Sole – Self Organizing Learning Environments https://www.theschoolinthecloud.org/	Learning inside and outside of school walls internationally

<p>Science World School trip bursary https://www.scienceworld.ca/classbursary</p>	<p>Bursaries subsidize 50-100% of general admission, and school bud. For schools with demonstrated financial need.</p>
<p>Windsor House School http://windsorhouseschool.org/</p>	<p>N Van Parent participant democratic public education</p>
<p>Classmate.team Website https://classmate.team/ jani@classmate.team</p>	<p>Vancouver based organization that helps schools implement technological assisted learning</p>
<p>MakerSpaces in Vancouver</p> <p>We Press https://wepress.ca/</p> <p>Vancouver Hack Space https://vanhack.ca/wp/</p> <p>MakerLabs http://www.makerlabs.com/</p>	<p>The mission of WePress is to offer historic and contemporary methods of print- and art-making, as well as a safe and welcoming space in which to make art.</p> <p>We like 3D printers, laser cutting, machining, robots, crafting, welding, electronics, coding, art, music, and more!</p> <p>MakerLabs is a makerspace in Vancouver that provides you with the tools, space, and skills to make almost anything.</p>

Thinking into the opportunities to weave nature/place-based experiential learning with core competencies

<p>Gillian Judson @perfinker SFU A Walking Curriculum Book & website http://www.educationthatinspires.ca/walking-curriculum-imaginative-ecological-learning-activities/</p>	<p>Imaginative Education inspired curriculum (Dr. Kieran Egan)</p>
<p>Salmon in the Classroom program http://www.salmonidsintheclassroom.ca/</p>	<p>Raise salmon and release into a local hatchery</p>
<p>TD Friends of the Environment Grants https://fef.td.com/funding/</p>	<p>Money for school gardens, Salmon in classroom cooling systems, Environmental Ed, etc</p>
<p>Stewards of the Future http://www.ltgov.bc.ca/lg/priority-programs/stewards/default.html</p>	<p>Sponsored by the Lieutenant Gov. not sure if it's still active</p>
<p>Agriculture in the Classroom programs http://www.aitc.ca/bc/programs</p>	<p>Spuds in Tubs Planting a Promise</p>
<p>Science World School trip bursary https://www.scienceworld.ca/classbursary</p>	<p>For schools with demonstrated financial need.</p>
<p>Natural Curiosity http://www.naturalcuriosity.ca/aboutus.php</p>	<p>Environmental Inquiry Uni of Toronto</p>

What are the best ways to ensure students are using-reflection to implement the CC?

Real life use of core competencies https://www.uvic.ca/coopandcareer/career/build-skills/core/index.php	UVIC & Public Health core competencies required for the job
CC slides shared by Sharon Jeroski https://www.dropbox.com/s/opncfwggfieiavu/Jeroski_CoreCompetencies.pdf?dl=0	
https://learn.sd61.bc.ca/curriculum/core-competencies/	Greater Victoria SD
Cherie Lang: If you would like a copy, email me clang@sd38.bc.ca 	graphics that capture the essence of competencies

How do you get started with Core Competencies in an elementary classroom? What were your first steps?

A few core competency samples https://goo.gl/qTwtvm Choice Words by Peter Johnson	In productive classrooms, teachers don't just teach children skills: they build emotionally and relationally healthy learning communities.
http://schools.sd42.ca/sd42reporting/teacher-training-materials/ Some examples of recording a whole group conversation in math	Maple Ridge – Pitt Meadows page While students communicate, recording the conversations that occur, especially in whole group, so that students all have access to what was discussed.
Other possible instructional supports.	Ideas how to be inclusive to ELL and Special Needs Learners
Distinguish performance goals from learning goals (more here)	David Wees
Link the Big ideas of the curriculum to the Core Competencies (chat mat, Linda O'Reilly from VSB, she has a blog) Linda O'Reilly Chat mats (Word Doc version) Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community, and other cultures <ul style="list-style-type: none"> ▪ BC Numeracy Site (link to online activity thing) ▪ SFU has a black or red book ▪ FNESC website ▪ BC Numeracy Website ▪ Math Catcher, Small Number ▪ UBC First Nations' Math Symposium http://blogs.ubc.ca/aboriginalmathnetwork/ Link for the book Th=luuwaay "Waadluxan Mathematics Adventures" www.sd50.bc.ca/wp-content/uploads/2017/01/colour-poster-final.pdf	
<ul style="list-style-type: none"> ○ Instructional routines <ul style="list-style-type: none"> ▪ WODB http://wodb.ca ▪ Mystery Numbers 	

<ul style="list-style-type: none"> ▪ Other instructional routines http://tedd.org (content areas) ▪ Harvard Thinking Routines <p>Math routines: Routines for Reasoning</p>	
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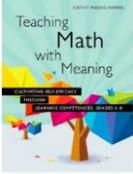
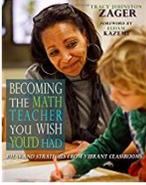
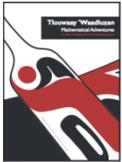
How are people using/ designing inquiry experiences that support the core competencies? Eg BreakoutEdu + Cross-curricular as well as mono-curricular

BreakoutEDU (@mscsmith3) https://www.breakoutedu.com/ -subscription	Exit (Escape room) in a box Can build the box with things from local hardware stores; don't need to purchase the box from the organization
Mystery Skype https://education.microsoft.com/skype-in-the-classroom/mystery-skype	Global guessing game – figure out location of school you are skypeing with
World Read Aloud Day http://www.litworld.org/wrad/	Feb. 1, 2018
IQ book http://oupcanada.com/school/iq.html	explains the inquiry process and offers practical suggestions and tools
Shadow puppet -> free app Seesaw digital portfolios http://get-puppet.co/	Easily create videos in the classroom
Institute for Global Solutions https://www.sd63.bc.ca/news/2012-10/institute-global-solutions	Saanich SD Grades 11 & 12
Project Wet https://www.projectwet.org/	
Points of Inquiry BC School Librarians http://bctf.ca/bctla/	Planning packages and posters for Inquiry based learning

Documentation of Core Competencies in Secondary Schools

Link / Resource	Description
Creating Cultures of Thinking http://www.pz.harvard.edu/resources/creating-cultures-of-thinking-the-8-forces-we-must-master-to-truly-transform-our-schools	Ron Ritchhart
https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/pdf/Core_Competencies_Posters.pdf	
http://www.pz.harvard.edu/projects/cultures-of-thinking	Cultures of Thinking - Harvard Project Zero
https://www.dropbox.com/s/opncfwggfeiiavu/Jeroski_CoreCompetencies.pdf?dl=0	Link to Core Competencies slides shared by Sharon Jeroski
The end of average http://www.toddrose.com/endofaverage/	Todd Rose
http://nvsd44curriculumhub.ca/core-competencies/	North Vancouver Resource Page
https://docs.google.com/document/d/1HsRqK11-SwHE0W4zpU32_otHXtCRjX-l-9l0QLb2CQ/edit	Sands Secondary - Core Competencies Learning Mao and Graphic Organzier

Where do the core competencies live in math?

<p>Teaching Math With Meaning (book published by Pearson) Shared by Janice Novakowski (@jnovakowski38)</p> 	<p>Self-efficacy and learning competencies, chapter on each competency as it relates to elementary mathematics. Tasks, case study narratives, math content focus, shifts to bigger picture of what it means to be a mathematician</p>
<p>Core Competency Posters in Math shared by Janice Novakowski (@jnovakowski38) https://www.dropbox.com/s/ykx1okfucmw97ma/JN_K-5_Math_Communication.pdf?dl=0 https://www.dropbox.com/s/7pzwlstnosqkh6/JN_K-5_Math_Connections_Core_Curricular_Competencies.pdf?dl=0</p>	<p>Connects curricular competencies with core competencies in Math</p>
<p>Routines for Reasoning (Grace Kelemanik and Amy Lucenta) Shared by David Wees @davidwees http://www.fosteringmathpractices.com/routinesforreasoning/</p>	<p>Instructional routines (mostly middle-school math focus both all of the routines could be adapted for elementary school math.</p>
<p>Becoming the Math Teacher You Wish You'd Had - Tracy Zager Shared by Jen Barker</p> 	<p>Lots of chapters that reflect our curriculum/core competencies with examples from classrooms</p>
<p>Link for the book Tluuwaay "Waadluxan Mathematics Adventures" www.sd50.bc.ca/wp-content/uploads/2017/01/colour-poster-final.pdf</p>  <p><small>Edited by: Cynthia Nicol & Anne Neelands Graphic Design: Unity Roberts Cover images: Sky MC Neelands</small></p>	<p>Example resource for supporting First Nations' perspectives in mathematics Email cynthia.nicol@ubc.ca to order</p>
<p>https://www.dropbox.com/s/opncfwggfeiiavu/Jeroski_CoreCompetencies.pdf?dl=0</p>	<p>BC Core Competencies information and idea slides shared by Sharon Jeroski for today's edcamp</p>
<p>Peter Liljedahl https://www.edutopia.org/article/building-thinking-classroom-math #thinkingclassroom</p>	<p>SFU - research on Math using vertical space - ie students in groups solving problems standing up and writing on white boards, windows, chart paper.</p>

In what formats, and where, are students self-assessing in CC and 'housing' their evidence?

https://goo.gl/qTwtvm	A few samples from SD 38 classrooms
https://startingwiththebeginning.files.wordpress.com/2017/12/primary-ssacc-powerpoint.pdf	Sandra Ball powerpoint on Self Assessment of Core Competencies
http://learningcommons62.sd62.bc.ca/knowledge-building-centre-2/core-competencies/	Resources to support CC (for teachers and students) from Sooke School District

How do you use e-portfolios to document self-assessment of CC? *check privacy regulations i.e. servers outside of Canada

www.edublogs.org	Wordpress-style blogging platform that allows teachers to have a class and each student has a blog linked to that class
Scholantis (https://docs.scholantis.com/display/DOCS/Welcome)	Platform for e-portfolio, students can keep it in a different format after graduation
http://classroom.google.com/	needs a school district google account to access google classroom
https://www.freshgrade.com	BC-based e-portfolio platform accessible to teacher, students and parents (when invited); not public
My Blueprint https://myblueprint.ca/	
Seesaw https://web.seesaw.me/	
Google (Classroom or Drive) https://classroom.google.com/	
Classmate.team Website https://classmate.team/ jani@classmate.team	Vancouver based organization that helps schools implement technologically assisted learning

How are people using/designing inquiry experiences that support the Core Competences? (e.g. Breakout EDU, Cross Curricular as well as Co Curricular)

Young Investigators https://www.amazon.ca/Young-Investigators-Project-Approach-Early/dp/0807751537	Project based learning in the Early Years Book
IQ book: http://oupcanada.com/school/iq.html	English and French resource for teaching inquiry in multiple subjects

Breakout EDU: www.breakoutedu.com https://sites.google.com/a/breakoutedu.com/breakoutedugames/	Exit-room-in-a-box - students problem solve to “break out” of the problem within 45 minutes; small group, large group and whole class games; subscription service for previously-created games (some free); can create the box from any hardware store
Google Drive folder with student information for Science/History cross-curricular project: http://bit.ly/scihisting-stu	Has the inquiry booklet created to guide students through the inquiry process for this assignment (@msscsmith3 on Twitter)
https://www.dropbox.com/s/zilfloghrmixeo2/Genius%20Hour%20Inquiry%20Booklet.pdf?dl=0 Genius Hour Student Booklet (@msscsmith3 on Twitter)	Booklet for students to use in coming up with and completing Genius Hour or 20% time genius hour projects (from planning to presentation)
Pets in the Classroom Grant https://www.petsintheclassroom.org/grant-app/ Sponsored by Petsmart	Pre-K - 9 public or private school Canada & US \$75 small animal/ \$125 fish/reptile/amphibian \$50 ongoing annual maintenance
Burnaby Mountain School (ConnEx – Grade 9) http://mountain.sd41.bc.ca/blog/2017/03/02/connex-9-information-presentation/	Interdisciplinary studies cohort for grade 9

High School Reporting Core Competencies - How are you having grade 9/10 self-assess? How are you communicating to parents?

http://www.constructionreadybc.ca/wp-content/uploads/downloads/18980-YouthPoster-18X24-WEB.pdf	poster
http://www.constructionreadybc.ca/wp-content/uploads/downloads/Transition-Competency-Checklist-WEB.pdf	poster

Strategies for weaving CC self-reflection into all subject areas. Ex. What does creative thinking look like in math? Self-assessment of critical thinking in socials/ science

https://heartmindonline.org/	- picture books, pre-made lesson plans
https://www.youtube.com/user/avendramin/playlists	- video collection of youtube videos related to CC
https://teachbc.bctf.ca/	Shape of the day (Kelsey Keller)
http://www5.sd71.bc.ca/literacy/wp-content/uploads/2016/03/Compentency-Books-for-Feb-2016-PD-day.pdf	Picture books to support CC By Joan Pearce & Carol Walters SD71

How do you implement core competencies practically at an early primary level?

Disruptive Thinking	Kylene Beers
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Book Whisperer	Donalyn Miller
From Sandra Ball's Blog https://startingwiththebeginning.files.wordpress.com/2017/12/contributing-to-community-task.pdf	Sandra Ball's blog https://startingwiththebeginning.wordpress.com/

Experience and then discuss an instructional routine that supports the CC (What does the CC look like in math)

Contemplate then Calculate - prompting structural thinking Fostering Math Practice http://www.fosteringmathpractices.com/contemplate-then-calculate/				
Routines for Reasoning book by Grace Kelemanik and Amy Lucenta	Routine created by Grace Kelemanik and Amy Lucenta. Slides for task today here.			
Visualpatterns.org NT images http://tedd.org - other instructional routines Look for routines - quick images, choral counting				
Document of all the I can statements of the math curriculum (I have to change share settings but here is the link and you can send a request for access and I'll add you-sorry	https://docs.google.com/spreadsheets/d/1KUmwWZKfVSjfsbww_EojM5WIKU9Fd5zP3W4T_9MVHHk			
Sample tasks in the New Visions' task	https://curriculum.newvisions.org/math/resources/			
http://davidwees.com/	Blog by David Wees. Well worth the time to peruse his archive. Focus on math, tech, and shifting practice. Note: endorsement not from David himself :)			
Single Point Rubric https://www.cultofpedagogy.com/single-point-rubric/	<table border="1"> <tr> <td>Concerns (Areas that need work)</td> <td>Criteria (Standards for this performance)</td> <td>Advanced (Evidence of exceeding standards)</td> </tr> </table>	Concerns (Areas that need work)	Criteria (Standards for this performance)	Advanced (Evidence of exceeding standards)
Concerns (Areas that need work)	Criteria (Standards for this performance)	Advanced (Evidence of exceeding standards)		