



Brock Technological Education Program

*Developed collaboratively
with TECO*

Technological
Teacher Education
Preparation

Experience Matters!

Technological Education Teacher Preparation Program

Presentation to

ONTARIO COUNCIL OF TECHNOLOGICAL EDUCATION

Conference 2016

By

Brock University, Faculty of Education

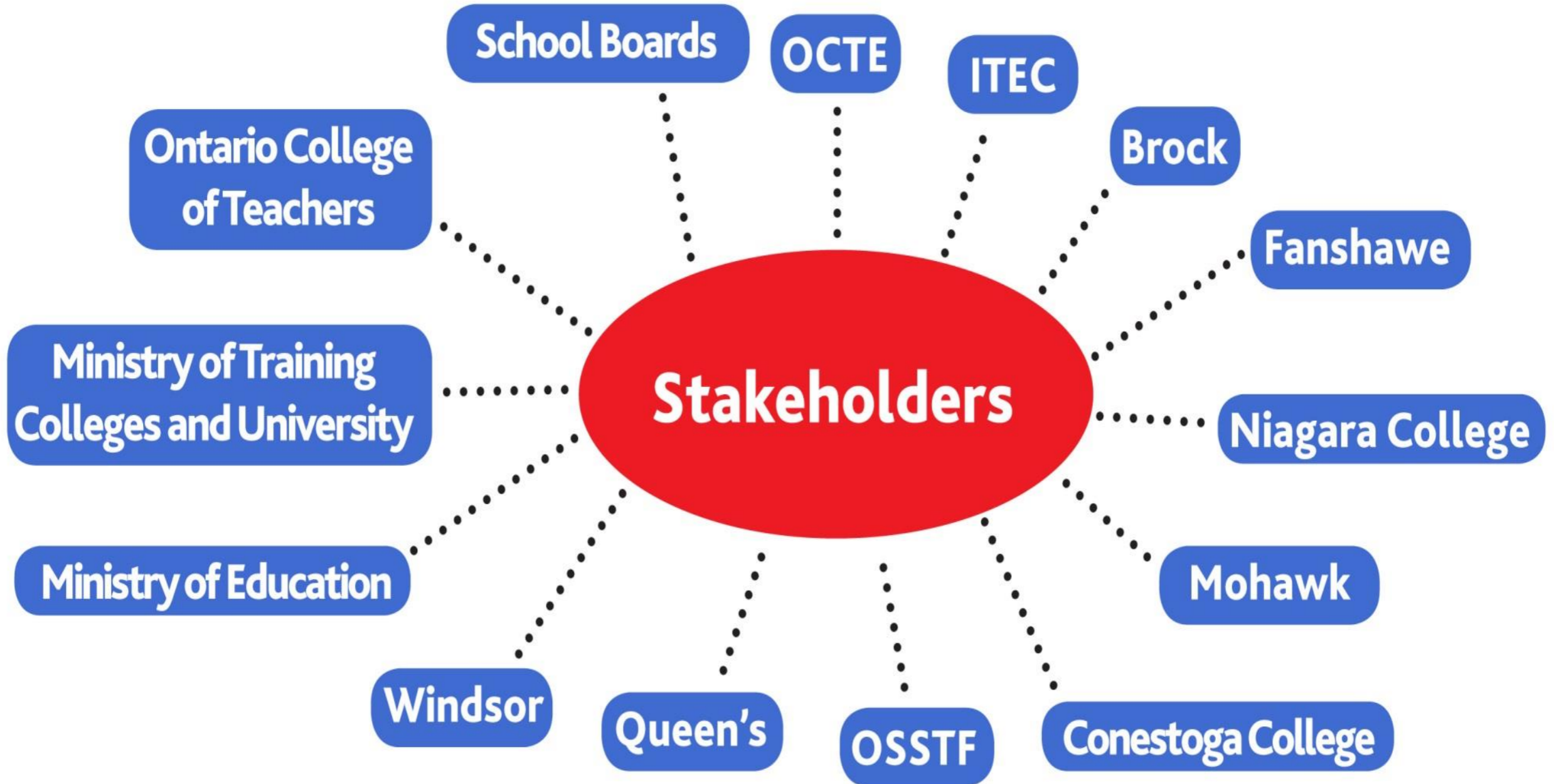
Friday, May 13, 2016

Tech Ed - Experience Matters!



WHY THE 16 MONTH PROGRAM?

- Ministry of Education declared teacher education program will be two academic years – four semesters
- Funding to faculties reduced from Ministry of Training Colleges and Universities
- Rationale – too many graduated teachers without teaching positions – not a fact for TE
- Some faculties dropped technological education programs
- Some Tech Ed faculty personnel and provincial tech organizations (OCTE) rallied to develop an alternative program





Objectives

- Re-vision and clearly define Technological Education Teacher Certification in Ontario
- Promote Brock University's Technological Education Teacher Preparation program as an innovative choice that is teacher focused and experience based.



Lack of Experienced Broadbased Technological Education Teachers Means

- There exists a nationwide job skills and labour shortage in skilled trades.

“Shortfall of 1 million skilled workers by 2020.” - OYAP

- Our present day technological education teacher preparation system is not positioned to support current and future student and workforce needs
- TECO was formed to address these educational system concerns by re-visioning tech ed programs



Background

- Teacher Education in Ontario is changing by design and circumstance
- The mandated change (two year program) means that teacher-candidates will spend more time in practicum getting hands-on experience and more time reflecting on how theory and practice are linked
- Technological Education Teacher-candidates, specifically those drawn directly from trades will experience the 2 year program differently than general studies teacher-candidates and may need different supports



A New Technical Education Program in Ontario

- The Brock (TECO) program differs from its predecessors and other tech ed programs in HOW it's delivered. (*remotely – online, e-learning, weekends and evenings)
- Primary focus for the redesigned program is on providing access, flexibility and support for tradespeople as well as, degree candidates.
- Program length attenuated to 16 consecutive months
- The long-term goal is to develop pathways (plural) that lead experienced tradespeople through to a Bachelor of Education certification in technological education.



The Brock Technological Education Teacher Program

- Experience Matters -

- Shorter, flexible and adaptive to accommodate mid-life career changes and realities
- Will include remote and virtual education components to allow flexible participation
- Values time in workplace with skills versus the standard 'education' based model – Experience Matters!
- Practicum placements in home community easing candidates travel and time away from home.



A complicated undefined
'technology education program'
with no clear or respected place in
the education training landscape.



A valuable and viable career
option for capable, intelligent
people.

EXPERIENCE MATTERS!



Survey Results: What Existing Tech Ed. Teachers say

“I have always wanted to become a teacher”

“love working with kids”

“Inspiring others, specifically youth, to use their creativity”

“give back my knowledge and experience”

“It’s not a ‘career’ change ... It’s a lifestyle changer”

“witnessed some ‘flaws’ amongst junior engineers”

“I would not have to worry about the next job”

“I wanted to be around as my children grew up”

“I am passionate about what I do”

“I wanted to see my skills invested in others”

“change the stigma of the ‘trades’ being for people who are not smart ”

“physical wear and tear on body was taking it’s toll.”

“better pay, summers off”

Note: Verbatim responses are copied exactly as written and may include spelling and/or grammatical errors



Experience Matters

- Experience is at the heart of the TECO program: it takes the valuable experience that teachers have gained through their years of work and passes it on to their students. The experience teacher candidates gain through the Brock TETP program will provide them with better career options and the ability to do their jobs better than ever.
- Experience is at the core of the TECO program, leveraging the knowledge and experience of teacher-educators, the best pedagogical practices and latest technologies to build the most effective educational program possible. Experience, with TECO, really does matter.

The Plan for the first Intake

January 2017 start

**Accepting non-degreed and degreed
experienced, certified and qualified
documented applicants**

Graduation June 2018

How much does the program cost?

- NOTE: The figures are estimates as the budget for 2016-17 has not been finalized
- Estimated \$ 6,900 to \$7,100 - Term 1 and 2 - Jan 2017 to Aug 31, 2017
- Estimated \$6,900 to \$7,100 - Term 3 and 4 - Sept 2017 to mid May 2018
- Allowance of \$1,000 to \$1,100 for texts, software and support materials should be considered along with the above figures.

The Program - Terms 1 and 2

- FIVE WEEKS ON CAMPUS - 8:00 - 4:30 Monday to Friday - Hamilton Campus
- FIVE WEEK - Teaching Block - prior to March Break
- ONE WEEK de-briefing and retrospective - asynchronous and/or face to face
- March 20 to August 20 - Classes weekends - Friday evening, Saturday and Sunday (18 hour blocks)
- Two Week Break

The Program - Term 3

- Sept 4-29, 2017- Classes weekends - Friday evening, Saturday and Sunday (18 hour blocks)
- Oct 2-6 - Teaching Block 2 Preparation
- Oct 8- Nov 17 - SIX WEEK - Teaching Block - followed by Nov 20 week debrief
- One to Two weekends of classes prior to Winter Break - 2 weeks

The Program - Term 4

- Jan 2 - Feb 9, 2018- Classes weekends - Friday evening, Saturday and Sunday (18 hour blocks)
- Feb 9-11- Teaching Block 3 Preparation
- Feb 12 - Apr 6 - SEVEN WEEK - Teaching Block 3 - Split over March Break followed by Nov 20 week debrief
- Apr 9 - May 11. 2018 - Return to Hamilton Campus - 5 weeks - Monday to Friday 8:00 to 4:30

The Sixteen Month Program details continued

Plus - Three Practicum Sessions or Practice Teaching Blocks of five, six and seven weeks each for a total of eighteen weeks with approximately six observation plus 80 plus internship and practicum days.

Plus - Advisor Group - Principles and Practices for Professional Certification - i.e. teaching blocks, seminars, guided application and Individual Counseling

The Program - Continued

Plus - Advisor/Cohort Group sessions (“face-to-face and asynchronous) dealing with:

The Principles and Practices for Professional Certification

AND

The Ethical Standards of Teaching

(i.e.-teaching blocks responsibilities, seminars, and guided application of teaching principles)

Subject Areas within Technological Education

Currently there are ten broad based technology subject areas:

Communication	Health Care
Computer Technology	Hospitality & Tourism
Construction	Manufacturing
Green Industries	Technological Design
Hair Styling & Aesthetics	Transportation

The Program - Phase Two

- **ADDITIONAL QUALIFICATIONS**
 - **Technological Education**
- Communication
- Construction
- Technological Design
- courses offered can change each year according to demand

Brock's Benefits

- Additional courses within the Technological Education program which provide the candidate with more than one area of qualification at the Grade 9&10 level.
- One of the two additional qualification courses could be **Special Education Part One, Co-op Education, or Guidance** these courses are eligible for use as an “alternate” 9&10 Technological Education qualification.

Websites to Access

- Brock University Technological Education Teacher Program “go to” site:

[http://www.brocku.ca/education/futurestudents/
consecutiveteched/admissioninformation](http://www.brocku.ca/education/futurestudents/consecutiveteched/admissioninformation)

EMAIL contact: teched@brocku.ca

(Please use this email address when contacting Brock concerning the new program)

BROCK T E C A T C H M E N T A R E A

- Hamilton WDSB and Hamilton WCDSB
- DSB of Niagara and Niagara CDSB
- Grand Erie DSB and Brant Haldimand NCDSB
- Waterloo Region DSB and Waterloo CDSB
- Upper Grand DSB and Upper Wellington CDSB
- Halton DSB and Halton CDSB
- Peel SB and Dufferin Peel CDSB
- Plus ALL of ONTARIO

THANK YOU!

Thank you for coming to learn about the 16 month Technological Education Teacher Preparation Program!

If you have further questions, we will be happy to answer them.

EMAIL contact: teched@brocku.ca