Journey ON: Converging Pathways of Policy, Research, and Practice for Fostering Global Competencies in Ontario’s Education System

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ICSEI
January 2018, Singapore
5000 schools

2.1 million students

72 school districts

115,000+ educators

Context: Ontario
Framework of Global Competencies

Critical Thinking and Problem Solving
Innovation, Creativity, and Entrepreneurship
Self Directed Learning
Collaboration
Communication
Citizenship

Deeper learning is the process through which a person becomes capable of taking what was learned in one situation and applying it to new situations – in other words, learning for ‘transfer’.

Through deeper learning, students develop expertise in a particular discipline or subject area.

National Research Council, 2012; p. 1
Domains of Deeper Learning

= Learning for Transfer

National Research Council, July 2012; p. 2
“The committee found not only that deeper learning develops 21st century competencies, but also that the relationship flows both ways: 21st century competencies can aid the process of deeper learning in a discipline or subject area.”

National Research Council, 2012; p. 3
TLF Innovation Projects: Focus Areas

1. Fostering deeper learning and global competencies; through real-world, authentic learning experiences
2. Creating teacher-student and peer-peer learning opportunities, leveraging technology
3. Transforming assessment practices
4. Expanding professional learning models
Transformational practices in support of deeper learning and global competencies development.

All districts engaged in locally determined innovations.
Developments

• Participant numbers
• Project connections to Global Competencies
• Innovation Journey Self-Assessment Tool
• How districts are addressing the TLF’s 4 focus areas
• A look at innovation in action
Innovation Projects

Number of Project Participants Across Ontario School Districts...

- Students, 405,000
- Teachers, 25,000
- School Leaders, 2,589
- System Leaders, 300
- Support Staff, 706

N = 433,595

170 Innovation Projects
Innovation Projects Across Ontario School Districts That Connected to the Global Competencies

1. Citizenship: 105
2. Self-Directed Learning: 127
3. Innovation, Creativity, and Entrepreneurship: 129
4. Critical Thinking and Problem Solving: 147
5. Communication: 154
6. Collaboration: 160

# of Projects (N=170)
<table>
<thead>
<tr>
<th>Initiative</th>
<th>Beginning Journey</th>
<th>Mid-Journey</th>
<th>Well Underway</th>
<th>N/A</th>
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</thead>
<tbody>
<tr>
<td>Create real-world authentic learning opportunities, leveraging technology</td>
<td>26%</td>
<td>58%</td>
<td>14%</td>
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<td>Deepen teacher-student and peer-to-peer partnerships, leveraging technology</td>
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<td>21%</td>
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<td>53%</td>
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<td>4%</td>
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<td>Develop effective professional learning models to enhance learning partnerships among educators, leveraging technology</td>
<td>12%</td>
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<td>26%</td>
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<tr>
<td>Scaling</td>
<td></td>
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## Summary Totals of Ontario School Districts’ Self-Assessment of their Innovation Journeys

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Comparing Districts' Self-Assessments & Ministry Review of Districts’ Innovation Journeys

- **Beginning Journey**:
  - District < Ministry: 25%
  - District = Ministry: 74%
  - District > Ministry: 1%

- **Mid-Journey**:
  - District < Ministry: 11%
  - District = Ministry: 68%
  - District > Ministry: 22%

- **Well Underway**:
  - District < Ministry: 0%
  - District = Ministry: 64%
  - District > Ministry: 36%
Inquiry/problem-based learning
Students co-learning with teachers
Digital citizenship and literacy
Real world, authentic learning tasks
Learning through social action
Online/blended learning
Cross-curricular learning
Innovative spaces for learning
Game-based learning
Assessment for and as learning
Students co-designing learning tasks
Innovation Project Impacts (2016-17)

**Students**
- ↑ student voice and choice: student-driven collaborative learning, assessment
- ↑ use of cloud technology as a collaborative learning tool
- ↑ engagement in real-world problems, sense of global citizenship
- ↑ metacognition, self-regulation

**Teachers**
- ↑ leveraging technology as teaching, learning, and assessment tools
- ↑ learning partnerships between classrooms, schools, globally
- ↑ collaborative teacher-driven professional inquiry and learning
- ↑ confidence in designing cross-curricular, open-ended student inquiry

**System**
- ↑ coordination between school and system planning
- ↑ ubiquitous technology access
- ↑ job-embedded support and professional learning
- ↑ culture of growth, horizontal leadership, collaborative professionalism
“Ontario school boards are garnering national and international attention and recognition for exemplary practices that contribute to the learning of their peers in other jurisdictions about educational innovation scaling for the 21st century.

...Of those movements that I've seen across different parts of the world, I actually think that what Ontario is doing is the most sophisticated; Ontario is a leader

...a kind of a lighthouse for people across the world that are trying to do similar things.”

- Dr. Chris Dede, Harvard School of Education
Innovation in Action

Keewatin-Patricia DSB

Junior
Mystery Skype

Ottawa Carleton DSB

Intermediate
Extending Student Learning

Upper Grand DSB

Secondary
Digital Historian:
Community Connected
Experiential Learning

Halton DSB

Professional Learning
Building a Culture of Mentoring & Collaboration
Innovation in Learning Fund (ILF)

- $10M per year, ongoing
- At least 50% to be used for educator professional learning
- To support deeper learning and global competencies development
Ontario’s New, Ongoing Innovation in Learning Fund (ILF)

Creating teacher-student, peer-peer, and community learning partnerships

Transforming assessment practices

Expanding professional learning models

Educator Professional Learning

Conduct Innovation Projects
Curriculum Refresh

September 2016 Mandate letter: Education
Premier's instructions to the Minister on priorities.

Premier’s Mandate Letter

Newsroom News Release (2017)

News Release
Updated Curriculum, New Report Cards Coming to Ontario Schools
Province Modernizing School System to Unleash Full Potential of Every Student

September 6, 2017 10:15 A.M. | Office of the Premier
Resources & Supports

#InnovatiON21c
#InnovatiON21s
#InnovatiON21c

EduGAINS: 21st Century Learning

Innovation in Learning Resource

Innovation in Learning Conference
February 2018
Innovation Project
Multimedia Artefacts & Research Reports

CODE
Council of Ontario Directors of Education

The artefact packages can be accessed by:

a) Specific Board: Enter a full name, partial name or acronym into the Board field then click the Search button.

b) All Reports on a Specific Topic: Select from the Key Words selection list then click the Search button.

c) All Reports for a Given Round: Select either Round 5 or Round 6 from the Round selection list then click the Search button.

d) Combined Search Criteria: Select criteria such as a topic and a round then click the Search button.

When the search results are a single board, the board name displays right away. When the search finds multiple boards they are displayed in list form along with their Key Words.

Board: Board name or acronym

Key Words: None

Round: Round 6

Search

School Boards: 1-10 of 77

1) Algonquin DDSB / AOBS / Round 6 / 21C Competencies, Teacher PD, Cloud

2) Algonquin and Lakeshore CDSB / ALCDSB / Round 6 / 21C Competencies, Teacher PD, Assessment, Cloud, Leadership

3) Avon Maitland DDSB / AMDDB / Round 6 / 21C Competencies, Teacher PD, Assessment, Leadership

4) Bluewater DDSB / BDSE / Round 6 / Math Numeracy, 21C Competencies, Teacher PD, Assessment, Cloud, Leadership

5) Brant Haldimand Norfolk DDSB / BHCCDSB / Round 6 / Math Numeracy, 21C Competencies, Teacher PD, Assessment, Leadership

6) Bruce-Grey DDSB / BGGDSE / Round 6 / Math Numeracy, 21C Competencies, Teacher PD, Assessment, Cloud

More School Boards: [Link to more school boards]

http://bit.ly/2zD6uPw
