Transforming Education through Professional Development

Russ Campbell
Corporate Affairs Manager
Asia Pacific Region
Are our students ready for the new global economy?
Global Transformations

Growth in World GDP/capita

- 2X in ~50 years
- 2X in ~250 years

Timeline:
- 0
- 1500
- 1700
- 1950
- 2007
The Changing Shape of Society
From Resource-based to Knowledge Based . . .
(Michael Porter 1970)

Education paradigms also need to change...
Socio-Economic Transformation: Begins with Education

Education

Employability

Socio-Economic Transformation:
Begins with Education

Entrepreneurship

Employability

Nurturing Innovation

Capacity Building

Digital Inclusion

21st Century Skills

Economic Growth

Technology

Social

Inclusivity

21st Century Skills

Intel
## New Context

<table>
<thead>
<tr>
<th>Global Competition:</th>
<th>Global Cooperation:</th>
</tr>
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<tbody>
<tr>
<td>● Global Awareness</td>
<td>● Global Awareness</td>
</tr>
<tr>
<td>● Self-Direction</td>
<td>● Collaboration</td>
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<tr>
<td></td>
<td>● Information &amp; Communication Technology (ICT) Literacy</td>
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<table>
<thead>
<tr>
<th>Information Growth:</th>
<th>More Jobs &amp; Careers:</th>
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<tbody>
<tr>
<td>● Information Literacy</td>
<td>● Critical Thinking &amp; Problem Solving</td>
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<tr>
<td>● Critical Thinking</td>
<td>● Innovation &amp; Improvement</td>
</tr>
<tr>
<td>● Problem Solving</td>
<td>● Flexibility &amp; Adaptability</td>
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<tr>
<th>Growing Service Economy:</th>
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<tbody>
<tr>
<td>● Communication Skills</td>
<td>● Life and Career Awareness Skills</td>
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Learning must be holistic, multidisciplinary, project and inquiry based and relate to real life experiences.
Shifting the Learning Paradigm
Shifting the Learning Paradigm

Transitional Teacher-Centered Classroom
Collaborative classroom learning

Teacher Directs

PLANNING
CURRICULUM
ASSESSMENT

Students Collaborate
Shifting the Learning Paradigm

Student-Centered Classroom
Learning anytime, anywhere, any way

Teacher Guides

Collaboration

Community Experts

Standards-Based Assessment

Personal Learning Community

Curriculum & Resources

Real-World Projects

ICT

Students Create
Systemic Education Transformation

Policy

Research & Evaluation

Curriculum & Assessment

Information Communications Technology

Professional Development
Professional Development

Intel® Teach: Providing teachers with the right tools and training to support a student-centric learning environment.
Trained 10 Million Teachers Through Partnerships

70 Countries

*Other names and brands may be claimed as the property of others
Intel® Teach Elements

A **series** of compelling eLearning professional development courses for teaching 21\textsuperscript{st} century learning concepts.

- **Convenient** professional development for busy teachers
- **Compelling** e-learning content, including animated tutorials, interactive learning exercises, and offline activities.
- **Free** online or off CD
- **Practical** action planning activities to implement new approaches in existing curricula.

For K-12 Educators

- Collaboration in the Digital Classroom
- Assessment in 21\textsuperscript{st} Century Classrooms
- Project-Based Approaches
- Thinking Critically with Data

For Administrators

- Educational Leadership
Collaboration in the Digital Classroom

Help students become more proficient digital collaborators, to prepare them for our globally connected world.
Intel® Teach Elements
Assessment in 21st Century Classrooms

Learn innovative approaches to assessment of 21st century skills
Intel® Teach Elements
*Project-Based Approaches*

Engage your students with new approaches for your classroom
Thinking Critically with Data

Prepare students to think critically in our information-rich world
Intel® Teach Elements
Educational Leadership in the 21st Century

Explore and discuss school leadership in our students’ technological 21st century world
Taking the Courses

**Self-Directed**

Visit www.intel.com/teachers to find a course online or order a free CD

**Facilitated**

For a more powerful experience, facilitate the course with a group of teachers from your school or district.
- 8 hours of facilitated content
- Facilitation Guide available to support the facilitator
- Education Agencies may apply for a License Agreement to host the course in your own education portal or LMS
Learn More

- Visit the Web site for:
  - Local Education Agency application to participate
  - Valuable tools and resources

www.intel.com/education/teach

- Additional questions, please contact:
  Russ Campbell
  russell.j.campbell@intel.com
“The creation of an educational system capable of preparing people to live in the changing world is one of the crucial tasks of modern society.”

Kinelev, 2000

Thank You!
BACK UP SLIDES
# Intel® Teach Program Portfolio

## ICT Teachers

<table>
<thead>
<tr>
<th>Skills for Success Course</th>
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<tbody>
<tr>
<td>Classroom Teachers</td>
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<tr>
<td>Getting Started Course</td>
</tr>
<tr>
<td>Essentials Course (F2F for In-service and Pre-service)</td>
</tr>
<tr>
<td>Training on how to integrate technology into existing classroom curricula to promote student-centered learning</td>
</tr>
<tr>
<td>Essentials Online Course (Hybrid F2F &amp; online for In-service and Pre-service)</td>
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<tr>
<td>Training on how to integrate technology into existing classroom curricula to promote student-centered learning</td>
</tr>
<tr>
<td>Advanced Online Course (Hybrid F2F and online)</td>
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<tr>
<td>Training that enables teachers to build communities to advance their integration of technology and 21st century learning</td>
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</table>

## School Leaders

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<tr>
<th>Leadership Forum</th>
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<tr>
<td>Interactive, face-to-face forum focused on leadership in promoting, supporting, and implementing effective technology integration in schools</td>
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</table>

## Enhancement Materials

<table>
<thead>
<tr>
<th>Intel® Teach Elements Courses</th>
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<tbody>
<tr>
<td>A series of high interest, visually compelling short courses online or on CD that provide deeper exploration of core Intel Teach learning concepts, such as project-based approaches, assessment in a 21st century classroom, and collaboration with Web 2.0.</td>
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</tbody>
</table>

## Online Tools and Resources

| Help Guide, Assessing Projects, Designing Effective Projects, and Thinking Tools |

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## Series and Course Messaging

**Series description:**

**Intel® Teach Elements** is a series of compelling professional development courses that provide deeper exploration of 21st century learning concepts. See the series **Overview**.

### Series description consideration

["Short" can be misleading: these courses are designed to be ‘shorter’ than the Intel Teach Essentials Course, for example – but calling them short may set the wrong expectation. You can call them ‘flexible’, ‘convenient for busy teachers’... ]

### Intel® Teach Elements: Project-Based Approaches Course

**Project-Based Approaches** helps teachers improve their understanding and application of project-based approaches in the 21st century classroom. By the end of the course, participants who complete an Action Plan will have designed materials and activities to implement or improve project-based approaches in their classrooms.

See the [syllabus](#) for additional information

### Intel® Teach Elements: Assessment in 21st Century Classrooms Course

**Assessment in 21st Century Classrooms** helps teachers see how assessment strategies can benefit their teaching practices and students’ learning. Participants learn how to plan, develop, and manage student-centered assessment. The course offers opportunities to apply the assessment concepts with action planning exercises.

See the [syllabus](#) for additional information

### Intel® Teach Elements: Collaboration in the Digital Classroom Course

**Collaboration in the Digital Classroom** helps teachers develop students’ 21st century thinking skills, deepen content understanding, and prepare for the global world. Participants learn how to plan and manage collaboration activities that integrate online collaborative tools that are increasingly part of our globally connected workplaces.

See the [syllabus](#) for additional information

### Intel® Teach Elements: Educational Leadership in the 21st Century

**Educational Leadership in the 21st Century** provides an interactive e-learning experience to support exploration and discussion of school leadership in our students’ technological 21st century world. **School leaders** review best practices, examine leadership behaviors, and develop strategies to better support their teachers.

See the [syllabus](#) for additional information

### Intel® Teach Elements: Thinking Critically with Data

**Thinking Critically with Data** examines critical thinking with a focus on data analysis in our information-rich world. Teachers explore practical skills and strategies to draw on when teaching students to think critically about the information around them. Participants learn to design student projects and assessments that address critical thinking skills when collecting and analyzing data.

See the [syllabus](#) for additional information

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See the full portfolio of Intel® Teach courses (PDF)
Intel® Teach Elements Delivery Options – Online, on CD, Facilitated

U.S. example courses are provided:

Online at
www.intel.com/education/elements

On CD
Anyone may order 1-3 CDs online for free

CD order form is at www.intel.com/education/elements. We count each CD ordered as “un-facilitated”, and offer each course separately on CD for more accurate tracking. Previously, we offered all available courses together. Note: we include the Intel® Education Help Guide as a bonus.

Facilitated
Anyone can register for Facilitation Materials and to order free CDs / Education Agencies apply for a License to host the courses on their Web sites http://teachonline.intel.com/elements

See the minimum legal requirements in the Geo Options above; the U.S. added business rules (requiring registration) to track of who is facilitating the courses. Rationale is to understand better how courses are being used and to have contact information for capturing numbers. Australia, as another example, requires registration to view the online courses on their education Web site.

Geo Options

View minimum Legal Requirements and see models for implementation in your area.

Please share your learnings to be included: alison.elmer@intel.com

Web site scripts are in the File Sharing Site:
http://teachonline.intel.com/content - contact Laurye Clampitt for access