Improving Education Through the Effective Use of Technology

Claire Ma
APAC Marketing Manager
Intel Corporate Affairs Group
A Sustained Commitment to Education

- Improving teaching and learning since 1968
- Invests more than USD 100 million annually in education initiatives
- Provides programs and resources in more than 50 countries to improve teaching and learning, and to advance math, science, and engineering education
Intel® Education programs in Asia Pacific

- **China**
  - Intel® Teach, Intel ISEF, Intel® Learn, Intel® Higher Education

- **Korea**
  - Intel® Teach, Intel ISEF

- **Japan**
  - Intel® Teach, Intel ISEF, Intel® Higher Education

- **Taiwan**
  - Intel® Teach, Intel ISEF, Intel® Higher Education
  - Intel Computer Clubhouse Network

- **India**
  - Intel® Teach, Intel ISEF, Intel® Learn, Intel® Higher Education

- **Pakistan**
  - Intel® Teach, Intel ISEF

- **Sri Lanka**
  - Intel® Teach, Intel ISEF

- **Thailand**
  - Intel® Teach, Intel ISEF

- **Vietnam**
  - Intel® Teach, Intel® Higher Education

- **Indonesia**
  - Intel® Teach

- **Philippines**
  - Intel® Teach, Intel ISEF, Intel® Higher Education
  - Intel Computer Clubhouse Network

- **Malaysia**
  - Intel® Teach, Intel ISEF, Intel® Higher Education

- **Australia**
  - Intel® Teach, Intel ISEF
Intel® Teach Program

- A worldwide proven program – more than 5 million teachers trained in 45 countries
- Research-based and independently evaluated
- Range of course offerings
- Developed by educators for educators
## Intel® Teach Program Portfolio

### Intel® Teach Program

<table>
<thead>
<tr>
<th>ICT Teachers</th>
<th>Classroom Teachers</th>
<th>School Leaders</th>
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<tbody>
<tr>
<td>Skills for Success Course</td>
<td>Getting Started Course</td>
<td>Leadership Forum</td>
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<tr>
<td>Training on a student curriculum that develops digital literacy, problem solving, critical thinking, and collaboration skills</td>
<td>Introduction to classroom software productivity tools and student-centered approaches to learning</td>
<td>Interactive, face-to-face forum focused on leadership in promoting, supporting, and implementing effective technology integration in schools</td>
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<tr>
<td>Essentials Course (F2F for In-service and Pre-service)</td>
<td>Essentials Online Course (Hybrid F2F &amp; online for In-service and Pre-service)</td>
<td>Thinking with Technology Course (Hybrid F2F and online)</td>
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<tr>
<td>Training on how to integrate technology into existing classroom curricula to promote student-centered learning</td>
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<td>Training that enables teachers to build communities to advance their integration of technology and 21st century learning</td>
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### Enhancement Materials

- Online Tools and Resources

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Intel Teach in Asia Pacific

Intel Teach was accredited/integrated into government curriculums or national standard in Australia, China, India, Philippines, Taiwan, Thailand and Vietnam.

By the end of 2007, the Intel Teach Program had trained over 2 million teachers across Australia, China, India, Indonesia, Japan, Korea, Malaysia, Pakistan, Philippines, Sri Lanka, Taiwan, Thailand and Vietnam.

Intel Korea signed a 5 year MOU with MOE to train 100% of Korean teachers (400K).

By October 2007, one million teachers – nearly 10 percent of the China’s total – have completed the program since it started in 2000.
Intel® Teach Evaluation in Asia Pacific

Essentials Course, pre-service – Impact Evaluation supported by Deakin University, Australia, and implemented by local evaluators across 9 APAC countries shows:

• 76% of the ‘new teachers’ (former pre-service teachers who completed the Essentials Course) have engaged in technology based lessons since commencing their teaching position.

• 73% of the ‘new teachers’ developed new Unit Plans based on the Intel Teach approach.

• 57% of pre-service teachers conducted technology integrated lessons during their practicum.

• 72% implemented project based learning approaches throughout their practicum.

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Intel® Teach Essentials Online Course Overview

• **Audience:** Teachers with basic knowledge in project-based approaches and intermediate skills in computer applications and who have regular access to Internet connected computers

• **Goal:** To help teachers use the power of computer technology to spark student creativity and ultimately move students toward greater learning.

• **Themes:**
  - Technology to enhance learning through research, communication, collaboration, and productivity strategies and tools
  - Hands-on learning and creation of curricular units and assessments
  - Student-centered learning that encourages self-direction and higher-order thinking
  - Collaboration with colleagues to improve instruction by problem solving and participating in peer reviews of units

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**Intel® Teach Essentials Online Course**

Feature Summary

A hybrid online training on how to integrate technology into existing classroom curricula to promote student-centered learning.

<table>
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<tr>
<th>Feature</th>
<th>Key Teacher Benefits</th>
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| Hybrid online | • Flexibility to complete the course anytime, anywhere at your own pace  
• More time for reflection  
• Expanded opportunities to collaborate with colleagues within course and afterwards to improve instruction |
| Enhanced standards-aligned unit plans – enriched with technology and assessment | • A fully developed unit plan that can be taken back to the classroom  
• Access to sample lesson plans that incorporate the latest technology and include assessment throughout the plan |
| **Assessing Projects** application | New application that helps measure students’ progress in developing 21st century competencies. |
| Intel® Education Help Guide | An easily accessible digital guide that builds practical skills while using software applications. |
| New Internet communications tools (i.e. Wikis, blogs) | Experience the potential of how new Web 2.0 technologies can enhance classroom learning and collaborative skills. |
Intel® Teach Essentials Online Course
Current Status and Next Steps in APAC

• Available in Australia, China, India & Korea

• To be launched in Pakistan, Malaysia & Taiwan in Sept/Oct 2008.

• Thailand, Philippines & Vietnam to be planned in 2009.
“Intel has been involved in education since its foundation and I firmly believe that you have to invest in the future and nurture talent. The private sector, working in concert with governments and NGOs, can play an invaluable role in improving educational opportunities around the world.”

Craig R. Barrett
Chairman, Intel Corporation