Helping Teachers Change The World

Intel® Teach Program
“Every unit I now develop is based on the Intel model.”

Teacher perspective, Australia*
The Intel® Teach Program – part of the Intel® Education Initiative* – is the most successful educator professional development program of its kind. Working with local governments and education sectors, this unparalleled public-private collaboration has trained more than 7 million teachers to date in more than 50 countries. As a driving force for the digital transformation which continues to sweep the globe, Intel is uniquely positioned to support governments and organisations as they seek to enhance the scope and skills of teachers, and transform students’ learning experiences.

The Intel Teach Program promotes students’ 21st century learning through quality teaching, which empowers teachers to engage and extend the students in their classrooms.

In Australia the Intel Teach Program has trained 20,000 in-service and pre-service teachers since the launch of the first courses in 2003. The Australian program currently offers the following options:

- Intel® Teach Elements
- Intel® Teach Thinking with Technology
- Intel® Teach Essentials Online
- Intel® Teach Leadership Forums

**Results that matter...**

Evaluation of the Intel Teach Program in Australia, conducted by Deakin University consistently highlights the increase in teachers’ confidence to integrate ICT following Intel Teach courses.

Survey results reveal the program’s strong impact on teaching and learning as teachers develop and implement curriculum that effectively uses ICT to generate inquiry driven, collaborative learning.

Key findings include:

- 83% of teachers integrate technology in new ways after the training.¹
- 85% of teachers saw an increase in whole school commitment to the integration of ICT.²
- 89% of teachers shared or presented their learnings from the course with other teachers at their schools.³

For more information about the Intel Teach Program in Australia, visit: [www.intel.com/education/au](http://www.intel.com/education/au)

*The Intel Education Initiative is Intel's sustained commitment to prepare all students, anywhere, with the skills required to thrive in the knowledge economy by improving learning and teaching through the effective use of technology, and advancing maths, science, and engineering education and research. Through a sustained public-private partnership with educators and governments, Intel works at an international, national, and local level, and invests more than USD100 million per year in education programs.*
The Australian program comprises a range of face-to-face and online offerings which show teachers optimal ways to integrate ICT tools and resources into their own lessons, and how to support the development of their students’ 21st century skills. Every Intel Teach course is a hands-on experience during which teachers create a practical unit of work, or action plan aligned to their local standards/curriculum. Collegiate collaboration face-to-face and/or online ensures a richer and deeper learning experience for participants, as they develop their own ICT-rich unit or project, and give and receive feedback from their peers.

**Intel® Teach Elements Series**

A series of high-interest, visually-compelling short courses which provide deeper exploration of key 21st century learning concepts and strategies for ICT integration using:

- Animated tutorials and audio dialogues to explain concepts
- Interactive knowledge-checking exercises
- Offline activities to apply concepts

**Benefits**

- Short, just-in-time professional development for busy teachers - minimum of 10 hours per Elements Course
- Flexible delivery formats from individual self-paced to facilitated group work conducted face-to-face or online
- User-friendly e-learning content offers easy introduction to online courses; designed for teachers with intermediate technology skills.

Each Intel Teach Elements course includes 2 - 3 types of activities:

a) **E-learning:** teachers cover course content via interactive online tutorials  
b) **Action Planning:** teachers apply concepts and learning to an action plan for their own classroom  
c) **Facilitated Discussion (where applicable):** teachers discuss course content, and share feedback on action plans

The Intel® Teach Elements Series includes the following courses:

- Project-Based Approaches
- Assessment in 21st Century Classrooms
- Collaboration in a Digital Classroom
“The outcomes speak for themselves—my students have achieved better outcomes as a result of the change in my teaching practice.”

Teacher perspective, Australia*
“The teacher didn’t give us the answers. We had to think for ourselves.”

Student perspective, Australia*
Intel® Teach Thinking with Technology Course

A face-to-face course which prepares teachers to engage students in higher-order thinking and 21st century skills using Intel’s free online thinking tools. This modular course trains teachers in the pedagogy and educational benefits of the tools, including creating and embedding thinking tool projects within an individual unit of work. Each tool features an online workspace where students create and save visual representations of their thinking. Thinking with Technology comprises 24 – 40 hours of face-to-face hours and is most suitable for teachers with intermediate ICT integration skills. This course is implemented via a train-the-trainer model.

Intel’s online thinking tools enable students to visualise complex concepts:

- Visual Ranking – for prioritising and comparing lists
- Seeing Reason – for investigating cause and effect relationships
- Showing Evidence – for building well-structured arguments

See page 8 for more information about these tools.

Intel® Teach Essentials Online Course

A course which helps teachers discover how to use computer technology to captivate, motivate, and, ultimately, move students toward 21st century learning. Through a hybrid face-to-face and online training model, teachers participate in 32 – 36 hours of professional development infused with research-based approaches to integrate technology into the classroom.

Teachers explore the possibilities of current web-based collaborative technologies and other software applications before selecting the most appropriate tools to support student learning in their unit design. The resulting unit includes a sample student project, student self-direction tools, and multiple types of assessment that are embedded throughout the unit.

This course is suitable for intermediate technology users, and is delivered via a train-the-trainer model.

Intel® Teach Leadership Forum

Intel® Teach Leadership Forums focus on the critical role school leaders play in promoting, modelling and supporting technology in learning.

These forums enable and encourage school leaders to share their experiences and approaches. They examine leadership behaviours which promote the integration of ICT as a tool to improve student learning. Resources and tools which support professional development, educator practice and student engagement are reviewed as well as Australian state/national standards and the International Society for Technology in Education (ISTE) standards.

At the forum leaders also begin to develop a strategic approach to heading ICT integration in their schools (short, medium and long term), including initiating an individual action plan. This offering provides direction and options for developing plans that can be implemented to address the unique circumstances of each school and align with national and state priorities.

Feedback from forum attendees indicates the degree to which the forum addresses Australian school leaders’ needs; significantly 99% of attendees felt ideas and skills they learned at the forum would help them to improve teacher effectiveness and student achievement in their school through supporting and promoting the integration of ICT.4
Online Thinking Tools

Active learning places where students engage in robust discussion, analyse complex information and solve problems. Developed in collaboration with leading cognitive scientists and experienced classroom teachers, these visual learning tools enable students to show their growth in understanding over time. The processes help teachers gauge students understanding and also help students direct their own learning.

These interactive, online thinking tools help your students visualise, analyse and compare their thinking:

Visual Ranking Tool
Students identify and refine criteria for assigning ranking to a list, and then debate differences, reach consensus and organise ideas.

Seeing Reason Tool
Students investigate cause and effect relationships in complex systems, and create maps to communicate understanding.

Showing Evidence Tool
Students construct well-reasoned arguments that are supported by their research and evidence, using a visual framework.

Assessing Projects
An online tool which helps teachers create and embed meaningful and relevant assessment throughout learning and teaching. Teachers explore strategies for ongoing, student-centred assessment, and develop their own assessment products either from scratch, or customise templates and samples from the extensive Assessment Library.

Intel® Education Help Guide

Available in multiple languages including Arabic, Chinese and Vietnamese.

For more information on the above teaching tools, visit: Intel® Education Teaching Tools: [www.intel.com/education/au/tools](http://www.intel.com/education/au/tools)
21st Century Teaching Tools
21st Century Teaching Resources
Intel’s free teaching and learning resources help teachers play a critical role in facilitating 21st century learning activities, pose questions and encourage students to think more deeply.

**Designing Effective Projects**

Extensive, multi-layered area of the Intel Education website, where teachers can learn more about how to implement engaging, project based approaches; they learn more about how, when and where to embed technology to enhance learning and teaching. Classroom strategies, education research summaries and ICT-rich examples of Australian teachers’ units of work provide inspiration, enabling teachers to adapt exemplary units or developing their own from scratch.

**Project Design**

Teachers learn about effective use of project approaches across the curriculum and year levels and review how well-designed curriculum framing questions can keep projects focused on important learning goals. They will find practical ideas and strategies for assessing projects and keeping students on track during project work. Teachers can review planning guidelines which help target standards/curriculum, and assess student products and performances.

**Thinking Skills**

Current research on thinking frameworks, the value of higher-order thinking skills, and what ‘teaching thinking’ looks like in today’s primary and secondary classrooms.

**Instructional Strategies**

Information and research about multiple instructional strategies that engage students, help them to achieve success and learn at higher levels. Teachers can review and adapt ‘ideas worth borrowing’, and help put students in charge of their own learning.

**Unit Plans**

Technology-rich Australian unit plans which can be used right away, or as models for teachers’ own planning. Most year levels and subject areas are covered and every detailed unit includes:

- Teaching and learning activities
- Teaching and learning strategies
- Clear alignment to local standards/curriculum
- Assessment timeline and products
- Extensive support resources
- Samples of student work

**skool™**

Free, media-rich, classroom-ready resources, focussing on maths and science. Interactive simulations, lessons and tools help students to build understanding and retain information.

For more information on the above resources, visit: Intel® Education Teaching Resources: [www.intel.com/education/au/resources](http://www.intel.com/education/au/resources)

To find out more about how to get involved in the Intel Teach Program in Australia, visit: [www.intel.com/education/au](http://www.intel.com/education/au) or contact Intel’s Regional Training Agency in Australia – education@crossmark.com.au or telephone 02 9439 1233.