Intel® Teach Elements

A Series of 21st Century Short Courses

Overview

Description

Intel® Teach Elements is a series of online, free short courses for Australian teachers, providing deeper exploration of 21st century learning concepts.

The instructional design includes:

- Interactive e-learning tutorials and exercises
- Offline activities to apply concepts
- Options to take the course self-paced or facilitated

Benefits

- Pedagogical focus – how, where and why to integrate technology
- Manageable professional development hours for busy teachers
- Flexible delivery formats
- User-friendly and free

Australian courses available

- Collaboration in the Digital Classroom
- Assessment in 21st Century Classrooms
- Project-Based Approaches

Coming soon – 'Inquiry in the Science Classroom'!

Hours per course

E-learning modules: 5 hours
Offline action plan: 10 - 15 hours
Facilitated discussion and group work (where applicable): approx 5 hours

In Australia Intel® Teach Elements courses have been registered by the state education departments with the NSW and Victorian Institutes of Teachers. Other states and jurisdictions may also be able to recognise course hours; you are advised to check with your sector's professional learning team.

Elements courses are also available through the PLANE professional learning platform; here you will also find information about how Elements courses meet the National Professional Teacher Standards.

Further information and course links: www.intel.com/education/au/elements

Information about offering **facilitated** Elements courses: www.intel.com/education/au/elements - please also check with your education department or jurisdiction regarding any facilitation options they may already have in place for Elements courses.

Enquiries can also be made to Intel's Regional Training Agency in Australia**:** education@crossmark.com.au.

Course Outlines

Collaboration in the Digital Classroom

Module 1 – Collaborative Classrooms

- Understand the importance of collaboration and the benefits and challenges of a collaborative classroom
- Become familiar with the Digital Collaboration Framework

Module 2 – A Framework for Digital Collaboration

- Design purposeful collaborative experiences using the Framework
- Review methods and instruments for assessing collaboration processes

Module 3 – Tools of Collaboration

- Review different types of web-based tools and how they support collaboration
- Learn how to find and choose the best tools for the job

Module 4 – Collaboration Strategies

- Build on the digital skills students use daily to support digital collaboration
- Examine ways to help students become skilled, ethical digital collaborators

Module 5 – Collaborative Classroom Management

- Manage appropriate and safe online behaviour
- Plan for access to collaborative technology and prepare for unexpected challenges

Assessment in 21st Century Classrooms

Module 1 – 21st Century Learning

- Understand 21st century classrooms and how to assess 21st century skills
- Learn to use formative and summative assessment in 21st century classrooms

Module 2 – Assessment Strategies

- Review contemporary assessment methods and effective use of rubrics and checklists
- Learn to use Intel's online *Assessing Projects* library

Module 3 – Assessment Methods

- Review integration of assessment throughout learning and for different purposes
- Understand use of self and peer assessment, portfolios and student-teacher conferences

Module 4 – Assessment Development

- Develop an assessment plan based on standards and 21st century skills
- Create assessments for a project or unit

Module 5 – Assessment in Action

- Learn to manage ongoing assessment and how to use assessment data effectively
- Create activities and resources to support student self-assessment

Project-Based Approaches

Module 1 – Projects Overview

- Identify and understand benefits of contemporary project based approaches
- Review the characteristics of engaging projects and effective use of ICT

Module 2 – Project Design

- Understand the process of project planning including identifying learning objectives, standards and 21st century skills to be addressed
- Review purposes and components of Curriculum-Framing (or 'Big Picture') questions

Module 3 – Assessment

- Review purposes, methods and instruments for assessing projects including assessment timelines for ongoing assessment
- Learn about assessing 21st century skills and marking strategies for projects

Module 4 – Project Planning

- Plan for success using implementation plans and project timelines
- Review and reflect on strategies for managing projects with students

Module 5 – Guiding Learning

- Explore questioning strategies to enhance student learning

Use mini lessons to guide students in collaboration, self-direction, information literacy and reflection throughout projects