

Intel® Teach Elements

A series of 21st Century Short Courses

Overview

Description

Intel® Teach Elements is a series of high interest, visually compelling short courses that provide deeper exploration of 21st century learning concepts, such as Project-Based Learning, Assessment of 21st Century skills, or Collaboration with Web 2.0 Tools. The instructional design includes:

- animated e-learning tutorials
- interactive learning exercises
- offline activities to apply concepts
- options to take the course self-paced or facilitated

Benefits

- Short, just-in-time professional development for busy teachers
- 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

Implementation

Short courses are designed for teachers with intermediate technology skills. They have no prerequisites and can be taken anywhere in the Intel Teach portfolio sequence. Intel Teach Master Teachers can facilitate short courses without retraining.

Short courses consist of three types of activities:

1. **E-learning:** Each short course has five modules plus an Orientation and Wrap-up. Each module includes three to six lessons of interactive activities with exercises that introduce and explore concepts. (4-5 hours individual work)
2. **Action Planning:** Many of the e-learning activities are followed by an Action Plan task. By the end of the course, participants who complete the Action Plan will have designed materials and activities to implement new concepts or improve practices in their classrooms. (8-12 hours of individual work, depending on optional activities)
3. **Facilitated Discussion:** Facilitated courses give teachers the opportunity to share ideas and give feedback on action plans. (5-8 hours; length varies with format, face-to-face or online, and optional exercises)

Self-Paced Course option: Teachers take the course self-paced and complete any or all of the e-learning and action planning activities they choose. They do not receive certificates for completion or continuing education credit. The self-paced course may be taken offline or online.

- Offline: Take e-learning part of course from CD, complete action planning activities and save work locally

- Online: Take e-learning part of course from Web site, complete activities and save work locally

Facilitated Course option: Teachers complete the e-learning and action planning activities and participate in facilitated discussions offered either face-to-face or online. The course provider may provide certificates of completion which may be used for continuing education credit.

- Face-to-face: Complete e-learning and action planning activities individually, participate in facilitated discussions in a group setting
- Online: Complete e-learning and action planning activities, participate in facilitated online discussions

Project-Based Approaches Course

Project-Based Approaches is the first course in the *Intel Teach Elements* series. The goal of the course is to help teachers improve their understanding and application of project-based approaches in the 21st Century classroom.

Module 1: Project Basics

Review a variety of projects and learn about the characteristics and benefits of projects. Explore what makes a project approach different from a more conventional approach.

Module 2: Project Planning

Using project design steps and planning tools, identify what students should learn, choose a project to accomplish goals, and think about what a project will look like in one's own classroom.

Module 3: Project Assessment

Integrate assessment throughout the project to provide feedback and monitor progress on content knowledge and 21st century skills.

Module 4: Project Management

Learn strategies and develop tools to support student self-direction and manage the day-to-day details of project work.

Module 5: Project Instruction

Plan instruction to improve student learning processes and thinking skills, such as collaboration and critical thinking.

Project-Based Approaches Timeline

- May 2009: First short course, *Project-Based Approaches*, available in English online at www.intel.com/teachers or via CD
- October 2009: *Project-Based Approaches* available in facilitated versions for schools, districts, or other LEAs to offer as professional development.

Assessment in 21st Century Classrooms Course

Assessment in 21st Century Classrooms is the second course in the *Intel Teach Elements* series. The goal of the course is to help teachers improve assessment of 21st century skills.

Module 1: 21st Century Learning

Consider the 21st century skills students need to excel in a changing world. See what assessment looks like in 21st century classrooms and how 21st century skills are assessed.

Module 2: Assessment Strategies

Learn how assessment purposes define assessment practice and how different methods and instruments meet those purposes. Explore effective rubrics to assess 21st century skills.

Module 3: Assessment Methods

Look at how assessment methods can be used for various assessment purposes as part of regular classroom activities. Learn how assessment methods can enhance teaching and learning.

Module 4: Assessment Development

Develop an Assessment Plan and create assessments to meet standards, 21st century skills, and objectives for a unit or project.

Module 5: Assessment In Action

Learn ways to schedule and track ongoing assessment that supports students as they transition to new assessment practices. Use assessment data to guide reflection, set goals, plan instruction, and provide input for grading purposes.

Assessment Timeline

- May 2010: *Assessment in 21st Century Classrooms* available in English online at www.intel.com/teachers or via CD for self-study. Facilitation materials also available for schools, districts, or other LEAs to offer as professional development.