

## Intel® Teach Elements

*Intel® Teach Elements* is a series of high interest, visually compelling short courses that provide deeper exploration of 21st century learning concepts. The instructional design includes:

- Animated e-learning tutorials
- Interactive learning exercises
- Offline activities for concept application
- Self-paced or facilitated course options

Free facilitation materials are available for all the courses at:

<http://engage.intel.com/groups/intel-teach-elements-implementation-toolkit>.

The following table describes the current courses. You can access the courses online at

[www.intel.com/education/elements](http://www.intel.com/education/elements).

Course	Overview	Modules
<b>Project-Based Approaches</b>	<i>Project-Based Approaches</i> helps teachers improve their understanding and application of project-based approaches in the 21st century classroom.	<b>Module 1: Projects Overview</b> See examples of projects and learn about the characteristics and benefits of projects.  <b>Module 2: Project Design</b> Use project design steps and planning tools, identify what students should learn, and choose a project to accomplish goals.  <b>Module 3: Assessment</b> Integrate assessment throughout a project to provide feedback and monitor progress on content knowledge and 21st century skills.  <b>Module 4: Project Planning</b> Learn strategies and develop tools to support student self-direction and manage the day-to-day details of project work.  <b>Module 5: Guiding Learning</b> Plan instruction to improve student learning processes and thinking skills, such as collaboration and critical thinking.

Course	Overview	Modules
<b>Assessment in 21st Century Classrooms</b>	<i>Assessment in 21st Century Classrooms</i> helps teachers improve assessment of 21st century skills.	<p><b>Module 1: 21st Century Learning</b> See what assessment looks like in 21st century classrooms and how 21st century skills are assessed.</p> <p><b>Module 2: Assessment Strategies</b> Learn how assessment purposes define assessment practices, and how different methods and instruments meet those purposes.</p> <p><b>Module 3: Assessment Methods</b> Look at how assessment methods can be used for various assessment purposes as part of regular classroom activities.</p> <p><b>Module 4: Assessment Development</b> Learn how to plan for assessment, develop an Assessment Plan, and create assessments to meet standards, 21st century skills, and objectives.</p> <p><b>Module 5: Assessment in Action</b> Learn ways to schedule and track ongoing assessment that supports students.</p>
<b>Collaboration in the Digital Classroom</b>	<i>Collaboration in the Digital Classroom</i> helps teachers prepare students to collaborate in the digital, global world.	<p><b>Module 1: Collaborative Classrooms</b> Look at examples of collaborative classrooms and learn ways to implement collaboration activities.</p> <p><b>Module 2: A Framework for Digital Collaboration</b> Learn how a framework helps with strategic decisions about how to integrate collaboration into instruction.</p> <p><b>Module 3: Tools of Collaboration</b> Review online tools to support collaboration in the classroom and view scenarios of projects that use collaborative tools.</p> <p><b>Module 4: Collaboration Strategies</b> Explore ways to guide students to become skilled collaborators and examine ways to enforce ethical and safe online practices.</p> <p><b>Module 5: Collaborative Classroom Management</b> Explore strategies for planning and preparing for a collaborative classroom environment.</p>

<b>Educational Leadership in the 21st Century</b>	<i>Educational Leadership in the 21st Century</i> supports exploration and discussion of school leadership in students' technological 21st century world.	<b>Module 1: Technology Leadership</b> Learn strategies for fostering a learning community that leverages technology to help develop students' 21st century skills.  <b>Module 2: Collaboration with Technology</b> Explore web-based tools for collaboration and communication.  <b>Module 3: Technology Trends</b> Investigate topics of evolving technology trends in education.
<b>Thinking Critically with Data</b>	<i>Thinking Critically with Data</i> helps teachers prepare students to think critically when collecting and analyzing data.	<b>Module 1: Information in Society and the Classroom</b> Learn why critical thinking is an important skill and see classroom examples.  <b>Module 2: Project Design and Critical Thinking</b> Learn how to design a unit that engages students in thinking critically with data as they learn subject-area content.  <b>Module 3: Skills for Thinking Critically with Data</b> Explore the critical thinking skills necessary for students to be successful when engaging in projects that involve data.  <b>Module 4: Tools for Effective Data Analysis</b> Examine tools to assist with data collection, organization, analysis, and presentation.  <b>Module 5: Critical Thinking and Instruction</b> Learn practical methods for managing projects with data and providing instruction in critical thinking skills.

<p><b>Inquiry in the Science Classroom</b></p>	<p><i>Inquiry in the Science Classroom</i> helps teachers build a foundation for scientific inquiry.</p>	<p><b>Module 1: Introduction to Scientific Inquiry</b> Understand scientific inquiry and what makes it unique from other scientific approaches.</p> <p><b>Module 2: Phases of Scientific Inquiry</b> Examine the Scientific Inquiry Phases.</p> <p><b>Module 3: Instructional Design for Scientific Inquiry</b> Learn how to design inquiry-based projects and integrate inquiry into your curriculum.</p> <p><b>Module 4: Science Inquiry in the Classroom</b> See how to create a community of learners that focuses on scientific inquiry.</p> <p><b>Module 5: Technology that Supports Scientific Inquiry</b> Explore how technology supports and enhances inquiry practices.</p>
<p><b>Designing Blended Learning</b></p>	<p><i>Designing Blended Learning</i> helps teachers transition to blending learning experiences.</p>	<p><b>Module 1: Blended Learning Overview</b> Explore features of blended learning.</p> <p><b>Module 2: A Blended Learning Framework</b> Learn the steps to planning effective blended learning experiences.</p> <p><b>Module 3: Tools and Resources for Blended Learning</b> Examine tools for a blended learning environment.</p> <p><b>Module 4: Assessment and Blended Learning</b> Explore the role of assessment in blended learning.</p> <p><b>Module 5: Blended Learning Implementation</b> Learn practical methods for supporting a blended learning classroom.</p>