Powering Up the Promise of Digital Learning

Empowering Teachers, Engaging Students

The Intel® Teach Program empowers teachers to pursue technology for common core and state standards implementation, engaging students' problem solving, critical thinking, communication, and collaboration skills required for college and career-readiness in an information age. Partnering with experts in online education and educational technology, Intel has redesigned its proven professional development as the basis for Intel® Teach Elements, a series of interactive, multimedia courses designed specifically for online and blended use by educators.

The Intel Teach Elements courses include key areas of instruction deemed important by educators: Project-Based Approaches, Assessment of 21st Century Skills, Educational Leadership, Thinking Critically with Data, Collaboration, Science Inquiry, and Designing Blended Learning.

About Intel® Teach Elements Professional Development

A Series of 21st Century Short Courses

Intel® Teach Elements is a series of high-interest, visually compelling eLearning courses that provide deeper exploration of 21st century learning concepts. Courses offer high-quality multimedia content designed to prepare teachers for transition to Common Core State Standards. Intel Teach Elements also serve as a catalyst for the transformation to Digital Learning—as defined in the broadest sense: digital content, blended learning (face-to-face and online), technology-enabled access to digital content and collaboration tools, plus "fully online" and more.

Instructional Design

Intel Teach Elements courses can be taken online as self-study for personal professional growth experience. Intel also supports integration of the course into online and face-to-face professional development programs, and provides facilitation materials. The facilitation materials promote a deeper experience for teachers as they work through the eLearning modules. In a facilitated experience,
small group discussions and Action Plan sharing builds professional learning communities around the course content.

Whether self-paced or facilitated, the instructional design includes:

- Animated eLearning tutorials
- Interactive learning exercises
- Offline activities to apply concepts

Benefits

Intel Teach Elements courses have many benefits for educators:

- Short, just-in-time professional development for busy teachers and school leaders
- User-friendly eLearning content for an interactive, easy introduction to online courses
- Flexible delivery formats, from individual self-paced to facilitated group work conducted face-to-face or online

Intel® Teach Program Portfolio

Each Intel Teach Elements course focuses on important concepts for 21st century teaching and learning. Additional new courses are under development, check online for the latest course offerings. All courses are available at **www.intel.com/education/elements**. The series includes the following courses:

Project-Based Approaches Course:
Provides information and tools you need to engage your students in projects and enhance their learning.

Specifically, you will:

- See a variety of projects and explore the characteristics and benefits of projects
- Learn how to use project design steps to plan projects
- Integrate assessment throughout projects to ensure students' success
- Learn how to manage a project-based classroom
- Plan project-based instruction to support student learning

You will complete a personalized Action Plan that applies the project-based learning concepts to your own classroom in practical ways. A variety of documents and tools are available to download and customize for a project in your classroom.

Assessment of 21st Century Skills Course:
Offers an in-depth look at assessment that meets the needs of 21st century teaching and learning. In this course, you see how assessment strategies can benefit your teaching practices and students' learning. You'll learn how to plan, develop, and manage student-centered assessment.

Specifically, you will:

- Learn how to plan assessment around standards and 21st century skills
- Create assessments for a project or unit
- Learn how formative and summative assessment are used in 21st century classrooms
- Learn strategies for students' new roles in assessment
- Learn how to manage ongoing assessment

You will have opportunities to apply the assessment concepts with action planning exercises.

Collaboration in the Digital Classroom Course:
Provides an in-depth look at collaboration with a focus on online collaborative tools. In this course, you will see how collaboration helps students develop 21st century thinking skills, deepen content understanding, and prepare them for the global world. You'll learn how to plan and manage collaboration activities that integrate online collaborative tools—increasingly part of our globally connected workplaces.

- Learn how to find and choose the best Web-based tools to support collaboration
- Learn how to manage and support collaborators
- Understand and promote ethical, appropriate, and safe online behavior

The course offers opportunities to apply the collaboration concepts with action planning exercises.

Intel® Teach Elements Implementation Toolkit

Find facilitation guides and materials, marketing materials, recruitment strategies, syllabi, implementation case studies, and the links to report teachers you train.

The toolkit is open to anyone to access, and all materials are free.

Provided without charge, Intel Teach is the most successful program of its kind, with **10 million teachers** trained worldwide, including 500,000 in the U.S. from all 50 states.

Mobile Learning:
The Mobile Learning suite consists of two courses:

- Moving into Mobile Learning (an intro for planning)
- Creativity in the Mobile Classroom (an advanced course)

Inquiry in the Science Classroom Course:
Is an eLearning course for teachers of students in 3rd to 8th grades (ages 9 to 13) designed to explain and demonstrate the inquiry process in depth with interactive activities and locally relevant classroom examples.

- Understand scientific inquiry and what makes it unique from other scientific approaches
- Review science standards to identify inquiry and concept standards appropriate for planning
- Learn practical tips for managing a classroom where students work on scientific inquiry activities

The course will build a foundation for inquiry and provide the rationale and research basis, common misconceptions, and specific strategies for inquiry as part of any science learning, regardless of the science discipline.

Educational Leadership in the 21st Century Course:
Provides an interactive eLearning experience that explores school leadership in our students' technological 21st century world. Extension activities provide opportunities to explore topics of interest related to technology for learning.

- Understand how leaders can impact 21st century education by using standards to guide administrative actions and decisions
- Explore effective professional development ideas for technology integration
- Consider the possibilities of new, more mobile technologies and online access

As a school leader you will review best practices, examine leadership behaviors, and develop strategies to better support your teachers with effective technology integration for student achievement.

Thinking Critically with Data Course:
Examines critical thinking with a focus on data analysis in our information-rich world.

- Learn instructional strategies and tools for helping students think critically in any subject area
- Investigate projects that focus on thinking critically with data
- Review standards and objectives related to thinking about and with data
- Explore tools that support the collection, organization, and analysis of data
- Learn the appropriate skills and attitudes students need for collecting data

In this course, teachers explore practical skills and strategies to draw on when teaching students to think critically about the information around them.

Designing Blended Learning Course:
Demonstrates blended learning, with interactive activities and locally relevant classroom examples. The course helps teachers transition to blended learning experiences and provides background rationale, planning strategies, and suggested technology tools. Specifically, you will:

- Plan effective blended learning experiences
- Explore how technology fosters student communication and learning in a digital environment
- Explores the role that assessment plays in a blended learning environment
- Learn about classroom management strategies that support active learning in a blended classroom environment

You will find help transitioning to blended learning experiences, with background rationale, planning strategies, and suggested technology tools.

Community of Elements Educators—Teachers Engage

Join other educators as they discuss delivery models and facilitation strategies related to Elements courses. Visit the **Intel Teachers Engage Community** and join the **Elements Implementation Toolkit** group where you can learn about options for hosting local courses, find ideas for adapting the courses to local needs and initiatives, download resources like sample agendas and completion certificates, or report the number of teachers you have trained.

http://engage.intel.com

" The use of Intel Teach Elements online courses has leveled the playing field for access to high quality professional development in the state. A teacher in rural Arizona can learn alongside a teacher in urban Phoenix or Tucson, and get the same quality of information. Statewide use of the program provides 'cross pollination' of ideas and viewpoints from other teachers in the state. "

– Cathy Poplin, Deputy Associate Superintendent of Education at the Arizona Department of Education (ADE)

Intel Teach Affiliate Community

The Intel Teach Affiliate (ITA) national community is a coalition of states and regional entities who share content and best practices for quality online professional development, including (and beyond) Intel Teach. Consultation and support for local capacity building is provided free of charge to ITAs by two grant-funded Intel Teach National Training Agencies: EDC EdTech Leaders Online and American Institutes for Research (AIR). Affiliates receive a number of benefits without charge, including facilitator training, consultation, and resources.

Learn more at **www.intel.com/education/teach/us**

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