



intel®

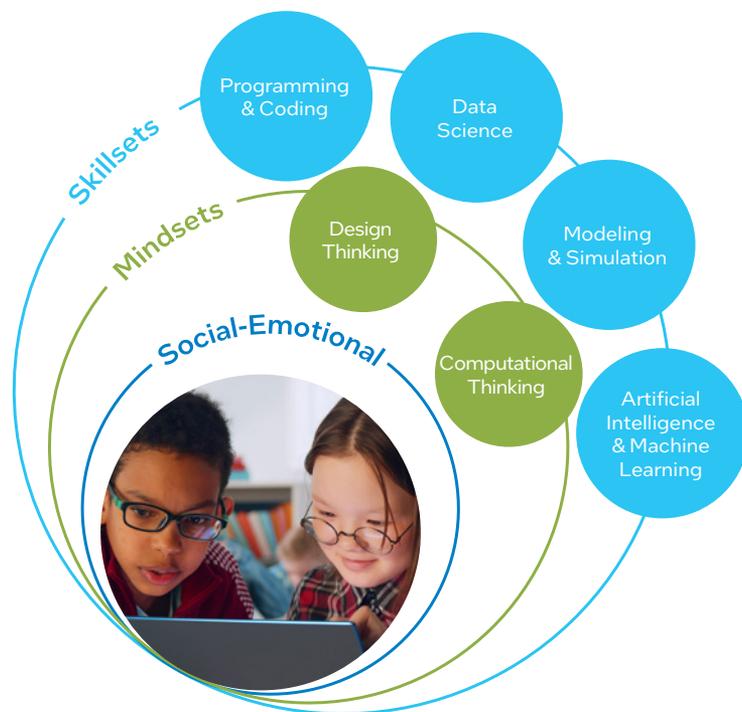


Intel® Skills for Innovation Professional Development Overview

This course highlights the importance of authentic learning and merging real-world issues into our teaching. This allows students to become critical thinkers and problem solvers, and to collaborate with others. ”

Lauren L.
Teacher, The Ovington School, Brooklyn, New York

Intel® Skills for Innovation Framework



Targeted Mindsets & Skillsets

The Intel® Skills for Innovation (Intel® SFI) Framework envisions a world in which students possess the skills necessary to meet the shifting landscape of the Fourth Industrial Revolution. Students are empowered to be innovators as they prepare for, imagine and create the jobs of the future.

The framework provides a direction for decision makers and educators to integrate technology activities into the existing curriculum to build essential mindsets and skillsets.

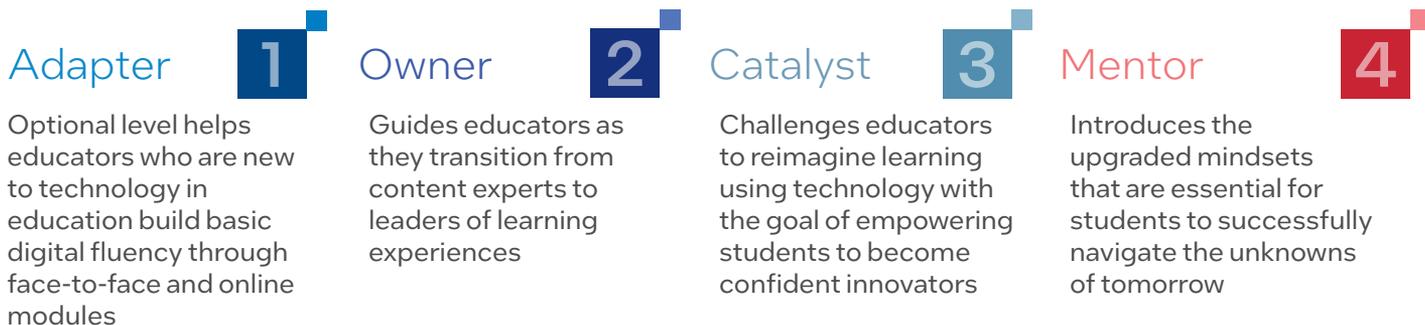
Path to Adopting Intel Skills for Innovation

<p>1</p> <h3>Plan</h3> <p>Understand new skill requirements in the post-pandemic environment. Rethink technology's role in education system to foster skill building.</p>  <p>Intel® SFI Planning Toolkit For Decision Makers Modular workshops and planning workbook</p>	<p>2</p> <h3>Experience</h3> <p>Experience technology used for skill building in the actual learning environment and verify viability.</p>  <p>Intel® SFI Starter Pack For Educators and Learners 70 activities with more than 140 hours of class time</p>	<p>3</p> <h3>Learn</h3> <p>Develop educators' competencies to facilitate higher-order skills development in their students.</p>  <p>Intel® SFI Professional Development For Educators 80+ hours of professional development for all levels</p>	<p>4</p> <h3>Deploy</h3> <p>Adopt technology-supported, skills-based learning models across the entire education system.</p>  <p>Engage with Intel® Partner Ecosystem For Education Institutions SFI-trained service and technology providers</p>
--	---	---	--

Introduction to Intel® SFI Professional Development

Intel® SFI Professional Development empowers educators as they assume their roles from adapters of technology to mentors of upgraded mindsets. The Intel SFI Professional Development suite equips educators with the necessary skills to adapt technology in an anywhere learning environment and create technology-infused learning experiences that build future-ready skills in learners. Through the content available on the Intel Skills for Innovation Platform, educators are kept up to date with trends that impact the future of today's learners, supported by technology tools that maximize the way teaching and learning takes place.

Intel Professional Development uses a model consisting of four levels that transition educators from adapters of technology to mentors of innovation.



Intel SFI Professional Development Suite

Intel SFI Professional Development is hosted on the Intel SFI Platform¹ which offers educators access to an interactive, engaging and collaborative learning community. Level 1 is delivered through a mix of face-to-face and supervised online modules whereas levels 2, 3, and 4 are delivered through asynchronous online learning.

 Level 1: Adapter of Technology ²	 Level 2: Leader of Learning Experiences	 Level 3: Catalyst of Creative Confidence	 Level 4: Mentor of Upgraded Mindsets
Module 1³: Introduction to Technology in Education Module 2³: Learning Computer Basics Module 3: Learning Internet Basics Module 4: Basics of Multimedia and Slides Module 5: Basics of Word Processing Module 6: Basics of Spreadsheets Module 7: Collaborative Workspaces Module 8: Learning Video Basics	Course: Introduction to Learning Remotely Course: Establishing Effective Educator-Machine Partnerships Course: Fostering Student Engagement in the Age of Digital Distraction Course: Strengthening Real-world Relevance in Classroom	Course: Analytical Thinking through Data Course: Critical Reasoning to Make Better Decisions Course: Bridging the Creativity Gap	Course: From Waterfall to Agile Mindset Course: From Operational to Strategic Thinking Course: From Follower to Entrepreneurial Mindset

Each course in Levels 2 and 3 contains three courselets

¹ Intel® SFI Professional Development suite is also SCORM-compliant and can be hosted on your learning management system. Contact your Intel service provider for more details.

² Hybrid learning approach

³ Conducted in-person format

Level 1 – Adapter of Technology

Level 1 provides a strong foundation in basic digital fluency for educators who are new to technology in education. Its eight modules, which are designed to develop basic competencies, are available on the Intel Skills for Innovation platform.

For those who need more support, a choice of workshops and professional development sessions led by local trainers are available:

1. Live professional development sessions (~24 hours in total) cover the content in each of the 8 modules.
2. Live workshops (~ 8 hours in total) cover modules 1, 2, and 3. Participants then continue independently, accessing asynchronous modules 4-8 on the Intel Skills for Innovation platform.

Modules in Level 1



Module 1

Introduction to Technology in Education (2 h)

Discusses technology's role and guides planning to integrate technology into teaching/learning.



Module 2

Learning Computer Basics (2 h)

Introduces computer basics and builds educator confidence.



Module 3

Internet Basics (4 h)

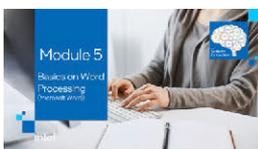
Explains Internet basics and usage in class. Includes practice activities to promote Internet safety.



Module 4

Basics on Multimedia/Slides (4 h)

Introduces multimedia tools to foster engagement and visual learning in their classrooms.



Module 5

Basics on Word Processing (2 h)

Demonstrates how to use word processing skills in the classroom.



Module 6

Basics on Spreadsheets (2 h)

Teaches basic spreadsheet skills for use in gathering and managing data.



Module 7

Collaborative Workspaces (4 h)

Demonstrates the use of cloud-based collaborative tools and workspaces.



Module 8

Learning Video Basics (4 h)

Introduces video tools and recording with opportunities for video creation.

Level 2 – Leader of Learning Experiences

Level 2 helps educators transition from being content experts to becoming effective owners and leaders of learning experiences. Through its four courses, educators learn to create engaging, effective lessons in an anywhere learning environment, supported by digital technology. Partnering with technology enables adoption of innovative pedagogical approaches that facilitate skills development.

Each level 2 course (comprised of three courselets) provides an expected total of six hours of professional development.

Courses in Level 2



Course 1: Introduction to Learning Remotely

Course 1 offers an overview of how anywhere learning practices affect and are affected by education stakeholders. It focuses on improving teaching and learning processes and partnerships and explores the importance of maintaining good mental and physical well-being for educators and learners in an anywhere learning environment.

Courselets

- Setting Up an Effective Virtual Classroom
- Enabling an Engaging Virtual Classroom
- Enrolling Support of Parents in Students' Learning



Course 2: Establishing Effective Educator-Machine Partnerships

Course 2 supports the educator's adaptation of technology in the classroom for skills development and increased engagement, clearly explaining the opportunities and threats. It also helps educators understand education industry changes, recognize technology advancements in education, and identify their professional development goals.

Courselets

- Getting Ready for Educator 4.0
- Applying Technology for Innovation
- Discovering Opportunities and Threats of Machines



Course 3: Fostering Student Engagement in the Age of Digital Distraction

Course 3 looks at how teamwork and collaborative class discussions aided by technology can improve student motivation. Educators explore how innovative pedagogical approaches increase learner engagement.

Courselets

- Cultivating Creative Collaboration
- Turning Disengagement to Self-Determination
- Selecting High-Engagement Assessment Formats



Course 4: Strengthening Real-World Relevance in the Classroom

Course 4 analyzes how incorporating real-world issues into a curriculum enables and inspires learners to become agents of change in their communities. It guides educators to incorporate self-learning elements and innovation skills into lesson plans to help learners harness technology for the community's good. It also supports the development of effective approaches to assessment in authentic learning contexts.

Courselets

- Uniting Real-World Issues with Academic Outcomes
- Harnessing Technology for Community Good
- Seeking Evidence for Authentic Learning

Level 3 – Catalyst of Creative Confidence

Level 3 enables educators to reimagine learning experiences with technology to empower learners to become confident innovators. Educators learn creative, new teaching strategies that help improve critical reasoning skills such as analytical thinking and stimulate learners' creativity with the use of data and emerging technologies.

Level 3 consists of three courses, each comprised of three courselets, with an expected total of six hours of professional development.

Level 4 – Mentor of Upgraded Mindsets

Level 4 introduces educators to the upgraded mindsets essential for learners to thrive in Industry 4.0 and successfully navigate the unknowns of tomorrow. While learning how to innovate for the future through powerful strategic thinking, educators also will gain the skills to nurture and apply an agile and entrepreneurial mindset.

Level 4 consists of three courses, each comprised of three courselets, with an expected total of six hours of professional development.

Course 1: Analytical Thinking Through Data

Course 1 focuses on data collection and analysis — how data collection, done ethically and with the aid of technology, can redefine teaching practices and provide a new learning experience. It also helps educators understand data visualization as a way to explain trends and extend classroom discussions.

Course 2: Critical Reasoning to Make Better Decisions

Course 2 introduces new ways of approaching problems and developing critical reasoning skills. Using killer experiments, educators help learners to see failure as essential for improvement, setting them up for future success. Educators gain skills to engage learners in visible thinking by simulating technology-supported role-play and powering through debates backed by data science.

Course 3: Bridging the Creativity Gap

Course 3 equips educators with techniques for using digital technologies to stimulate learners' creativity. It explores how to nurture creativity in problem-solving using self-directed learning and narratives crafted by learners that employ prototyping.

Course 1: From Waterfall to Agile Mindset

Course 1 comprehensively explores the Agile Mindset and its application to teaching and learning. It prepares educators with the competencies to implement Agile methodologies successfully to project-based learning in the classroom to prepare students with the resilience for future success.

Course 2: From Operational to Strategic Thinking

Course 2 examines how current events divulge clues about what is to come and how to find opportunities to practice future thinking in the classroom. It offers guidance about how to create multiple scenarios resulting from drivers of change and build immersive stories for analysis and understanding.

Course 3: From Follower to Entrepreneurial Mindset

Course 3 reviews the science behind curiosity and looks at how curiosity enables learning and drives innovation. It discusses how to explore the entrepreneurial mindset using tools that guide learners to create value. It also helps educators explore storytelling and discover ways to shape mindsets using storytelling.

Courselets

- Collecting and Using Problem-Driven Data
- Mapping Relationships with Data
- Facilitating Data-Inspired Discussions

Courselets

- Collecting and Using Problem-Driven Data
- Mapping Relationships with Data
- Facilitating Data-Inspired Discussions

Courselets

- Generating Ideas Using Artificial Intelligence
- Prototyping Possibilities with Emerging Technologies
- Creating Digital Portfolios

Courselets

- Nurturing an Agile Mindset in Learners
- Managing Teams with Agile Tools
- Adapting Agile in Project-Based Learning

Courselets

- Creating Visions of the Future
- Envisioning Future Possibilities
- Innovating for the Future

Courselets

- Cultivating the Curious Mind
- Creating Value for the Fourth Industrial Revolution
- Enhancing Communication with Digital Storytelling

Intel® SFI Learning Platform

The Intel® SFI Learning Platform provides educators and administrators with access to a rich, interactive social learning environment to learn, share, collaborate and connect with a global population of educators. With system-wide reporting and analytics, administrators can access powerful insights to track and support the progress of their staff on behalf of their entire organization.

Learning

Interactive learning & completion certificates

Resource Library

Lesson plans, PDFs, videos, beginner's guides, presentations, and much more



Live Discussions

Grouped by cohort, topic, subject, and thread

Insight Surveys

Capture trends about innovative approaches to learning and student development

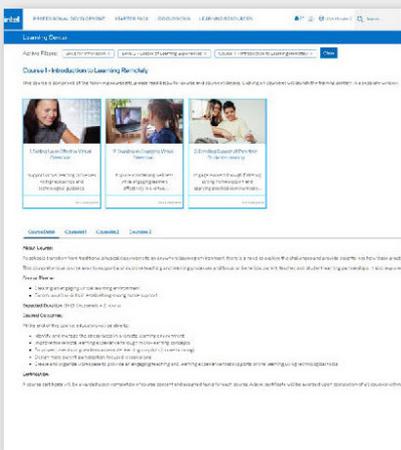
Community-Generated Content

Shared lesson plans, best practices, and an opportunity to connect with other professionals through the community

Intelligent Search

Search categories and filters aligned to educators' interests

Professional Development Resources and Tracking Tools



Navigate Intel SFI PD Contents

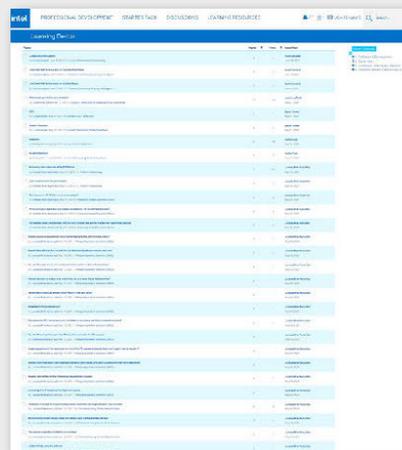
Navigate the whole PD curriculum, overview and detailed information about levels, courses/modules, and courselets

Download Syllabi

Choose the syllabus that meets your needs from a variety of formats – for the entire PD curriculum or by level, course, or module

Track Trainee Progress

View information about trainee's progress and completion percentage of levels and courses



Generate Certificates

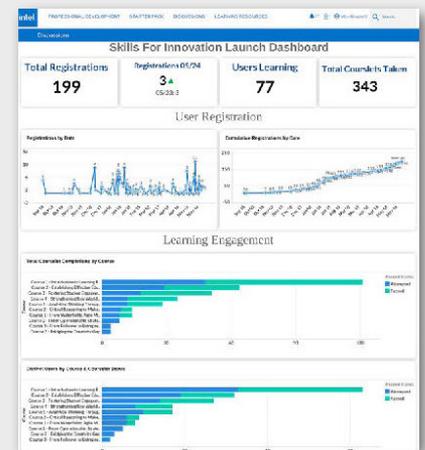
Generate course and/or level certificates for completed training, including training credit indicator

Exchange Experiences

Participate in discussions with fellow educators around the globe and share ideas and innovations

Access Analytics

Administrator can track progress of trainees in their organization and generate metrics



Educator Certification

Certification of Completion

Course certificate of completion – awarded on completion of all courselets and tasks related to a specific course

Level certificate of completion – awarded on completion of all courses within a level

Certificates are available on the Intel SFI platform and can be downloaded as .pdf files.



Course Certificate



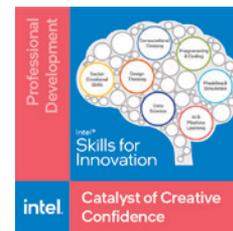
Level Certificate

Digital Badges

Digital Badges are also awarded to educators who complete courses and levels. These badges can be shared on social media and digital portfolios.



Course Badge



Level Badge

Ready to Get Started?

Intel® SFI Professional Development is designed to meet the evolving pedagogical needs of educators who are preparing learners for a future workforce. The program is available under license from Intel.

For more information about how to deploy Intel SFI Professional Development in your education environment, please contact your Intel Technology Provider.

For more information, visit

skillsforinnovation.intel.com

Intel technologies may require enabled hardware, software or service activation.

No product or component can be absolutely secure.

Your costs and results may vary.

The Intel® Skills for Innovation Program Content was developed by Intel Corporation. All rights reserved.

© Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.