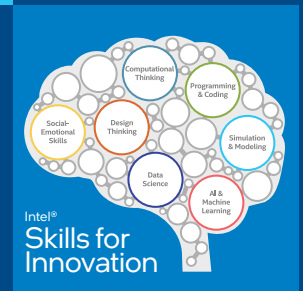


Intel® Skills for Innovation Lighthouse

Central Dauphin Educators discover new ways to use technology with their students



Learning about new technology tools and pedagogies helps educators from the Central Dauphin School District equip their students with the mindsets and skillsets for the Fourth Industrial Revolution.

Central Dauphin District Mission

To ensure all students a challenging and dynamic curriculum to prepare students to succeed in a changing, global society by inspiring lifelong learning in a caring, collaborative community

Through the Intel® Skills for Innovation (Intel® SFI) Professional Development Program, educators from the Central Dauphin School District in Harrisburg, Pennsylvania gained awareness of new technology they could bring into the classroom. The Professional Development courses provide modular training that meets the needs of teachers wherever they are on their technology adoption journey.

Challenges

- Provide educators with the know-how to introduce new ways of thinking and solving problems to their students.
- Guide educators to embark on professional development, no matter their level of digital proficiency.
- Prepare teachers to build new competencies so that they embrace skill-building activities and new ways of teaching that help students build future-ready skills.

Solution

Intel SFI Professional Development empowers educators to become leaders of learning experiences and facilitators of future-ready skill building with tools and modular training curated to address their needs. Content is available on the Intel SFI Platform, which offers a rich, interactive, professional learning community with collaborative features and resources for educators.

Results

Through the training, educators from the Central Dauphin District gained the knowledge and skills to:

- Maximize the benefit of using technology beyond just accessing content and facilitating communication and collaboration.
- Build learners' mindsets and skillsets to prepare them to become innovators of tomorrow.
- Harness the asynchronous and modular format of the Professional Development courses to continue to be self-directed learners as they progress in their technology adoption journeys.

Enhancing education system resilience by introducing technology activities into teaching and learning

Central Dauphin is a large, diverse school district situated in Pennsylvania, Harrisburg. The district contains 13 elementary schools and is known for its diverse student population. The diversity of the school district, as well as the need to prepare students for the Fourth Industrial Revolution, motivated educators from the Central Dauphin District to embark on the Intel SFI Professional Development Program.

"I think that these Professional Development Courses are a great opportunity for teachers to earn continuing education credits while pursuing these on their own, at their own pace and time — it is nice that there are different levels of engagement for educators.

Jim Chronister
Instructional Technologist Specialist

Intel Skills for Innovation Professional Development Suite

Intel SFI Professional Development is designed to help educators master technology integration with a step-up model carefully curated to address the needs of educators in varying stages of adapting technology in learning. The program includes four levels designed to transition educators from adapters of technology to mentors of innovation.

Modules and courses are available on the Intel SFI Learning Platform, where educators also can find up-to-date information on trends impacting the future of today’s learners and technology tools that enhance their ability to adapt their teaching to these trends.

<p>1 Adapter</p> <p>Adapt Technology</p> <p>This optional level is for educators who are new to technology in education. It supports them in building basic digital fluency through a mix of face-to-face and online modules.</p>	<p>2 Owner</p> <p>Lead Learning Experiences</p> <p>Level 2 helps educators transition from being content experts to effectively owning and leading learning experiences.</p>	<p>3 Catalyst</p> <p>Catalyze Creative Confidence</p> <p>In Level 3, educators are challenged to reimagine learning experiences using technology, thus empowering students to become confident innovators.</p>	<p>4 Mentor</p> <p>Mentor Upgraded Mindsets</p> <p>Level 4 introduces educators to the upgraded mindsets that are essential for students to thrive in the Fourth Industrial Revolution and successfully navigate unknowns of tomorrow.</p>
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Educators experience professional development that transforms the way they teach

Educators often have differing levels of proficiency with technology. The modular training provided by the Intel SFI Professional Development courses helps educators to begin learning about how to integrate technology in their classrooms, no matter their level of digital proficiency.





Educators from Central Dauphin School District also reflected on the benefits of having access to Professional Development courses that are asynchronous. This helped make the learning accessible and convenient, and allowed educators to immediately try out the new technology tools and pedagogies with their students while they were going through the Professional Development courses.

I personally love the idea of the courses being asynchronous — it gave me my own time to work on it — I feel like that is really beneficial instead of having to keep up with the pace of somebody else, or whoever is presenting to you.

Emily Bocan
1st grade teacher

Figure 1. From the Intel SFI Learning Platform, educators can choose to begin learning from any level and course that suits their teaching and learning needs.

Level 2 consists of four courses. Each course comprises 3 courselets with an expected total of six hours of professional development.

			
<p>Course 1 - Introduction to Learning Remotely</p> <p>Support the transition to an anywhere learning environment with technology.</p>	<p>Course 2 - Establishing Effective Educator-Machine Partnerships</p> <p>Adapt educational technology and understand skill development for innovation.</p>	<p>Course 3 - Fostering Student Engagement in the Age of Digital Distraction</p> <p>Explore motivation theories and innovative pedagogical approaches in increasing...</p>	<p>Course 4 - Strengthening Real World Relevance in the Classroom</p> <p>Analyze and address the shift in academic outcomes affected by industry changes.</p>
<p>3 Courselets Completed</p>	<p>3 Courselets In Progress</p>	<p>3 Courselets Not Attempted</p>	<p>3 Courselets In Progress</p>

Equipping students with higher cognitive skills, mindsets and skillsets

With the knowledge of the new technology tools and pedagogies learned from the Professional Development courses, educators from the Central Dauphin School District experimented with these techniques in their lessons. Students quickly embraced these new ideas and began to dive into the new resources independently.

Educators observed how students displayed higher levels of engagement and understanding in response to these new techniques. 2nd grade teacher Lauren Vowler was inspired to continue using the new techniques when she noticed how her young students were able to participate actively in peer reviews - an activity she thought could only be conducted with older students.

Summary

Central Dauphin School District embraced the Intel Skills for Innovation Professional Development Program and used concepts and resources found within the Professional Development courses to help students maximize their potential as future innovators. The program showed educators that using technology in the classroom can be a powerful tool to empower students and prepare the students for a technology immersed future.

“I love introducing new technology — the kids like that because they are way faster at learning it than the teacher, so like immediately, they’ll start teaching me things and I think that’s great.”

Lauren Vowler
2nd grade teacher

About Intel Skills for Innovation Framework

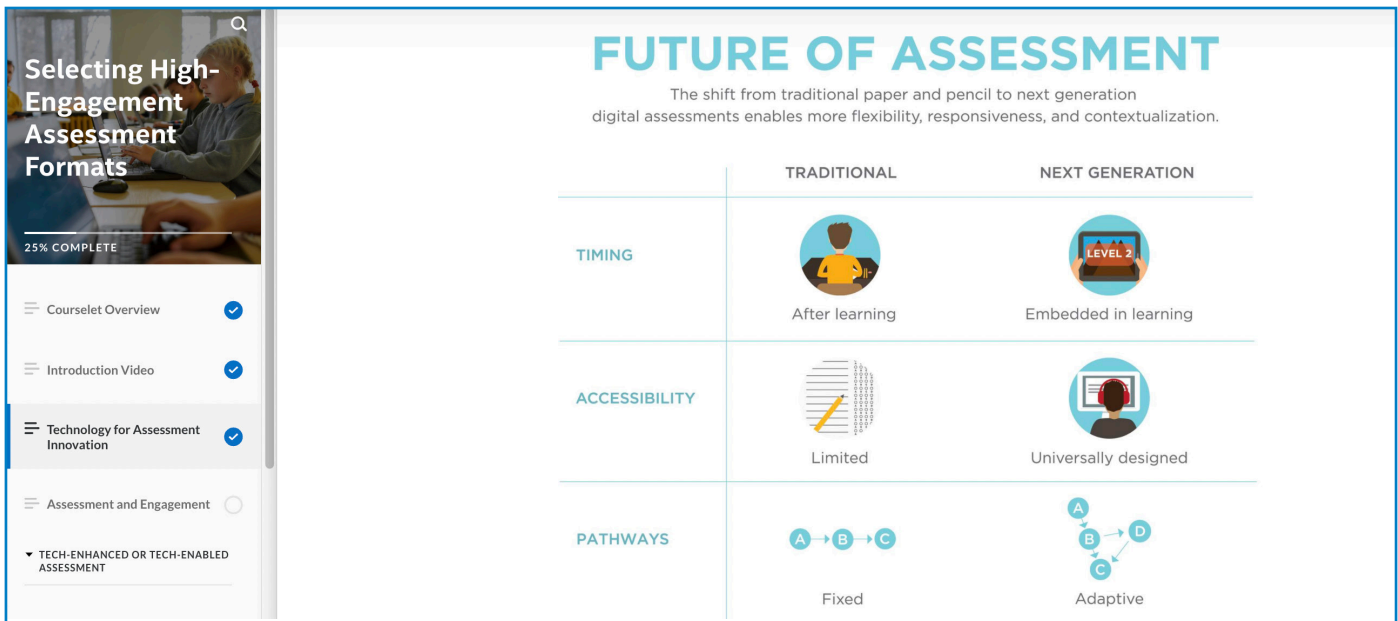
Intel Skills for Innovation Framework empowers educators to become leaders of technology-infused learning experiences. Using the framework helps educators integrate technology into their programs and plans to build skills and help students develop their cognitive, technical, and social-emotional skills.

For more information, visit skillsforinnovation.intel.com

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, please contact your Intel Technology Provider.

Figure 2. Educators gain awareness of multiple assessment methods that can be facilitated with technology tools and software.



Watch the video

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Your costs and results may vary.

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