Models of Effective Digital School Transformation

Intel – 29th June 2017

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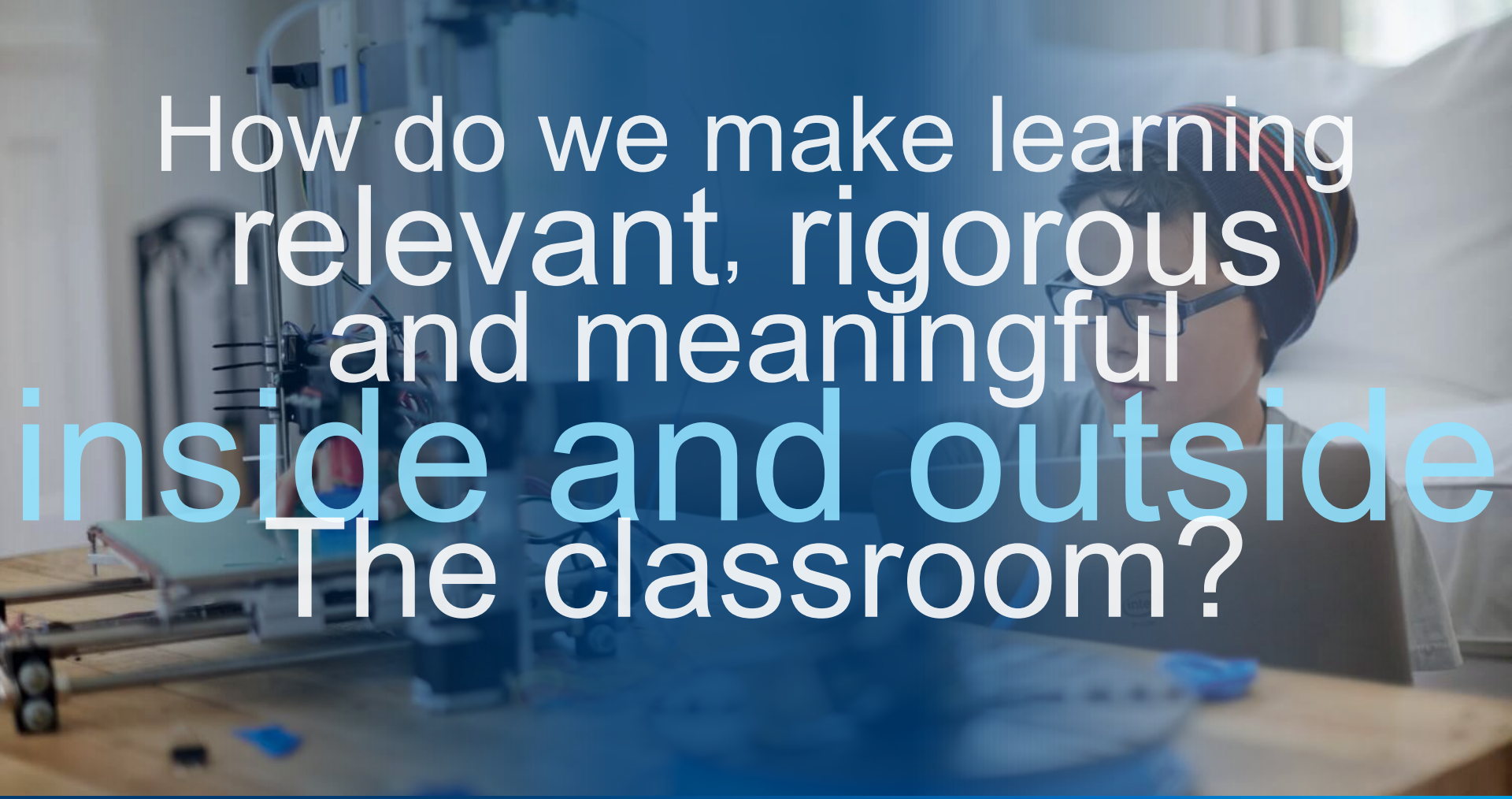

How do we make learning
relevant, rigorous
and meaningful
inside and outside
The classroom?

The Skills Needed in 2020

Drivers of change

- RISE OF SMART MACHINES AND SUPERSTRUCTED ORGANIZATIONS
- Computational world
- Extreme longevity
- New media ecology
- Globally connected world

Required skills

Novel & adaptive learning	Design mindset	Cognitive load management
Computational thinking	Cross-cultural competency	Sense making
New-media literacy	Transdisciplinary	Social intelligence
Virtual collaboration		

http://iftf.org/uploads/media/SR-1382A_UPRI_future_work_skills_sm.pdf

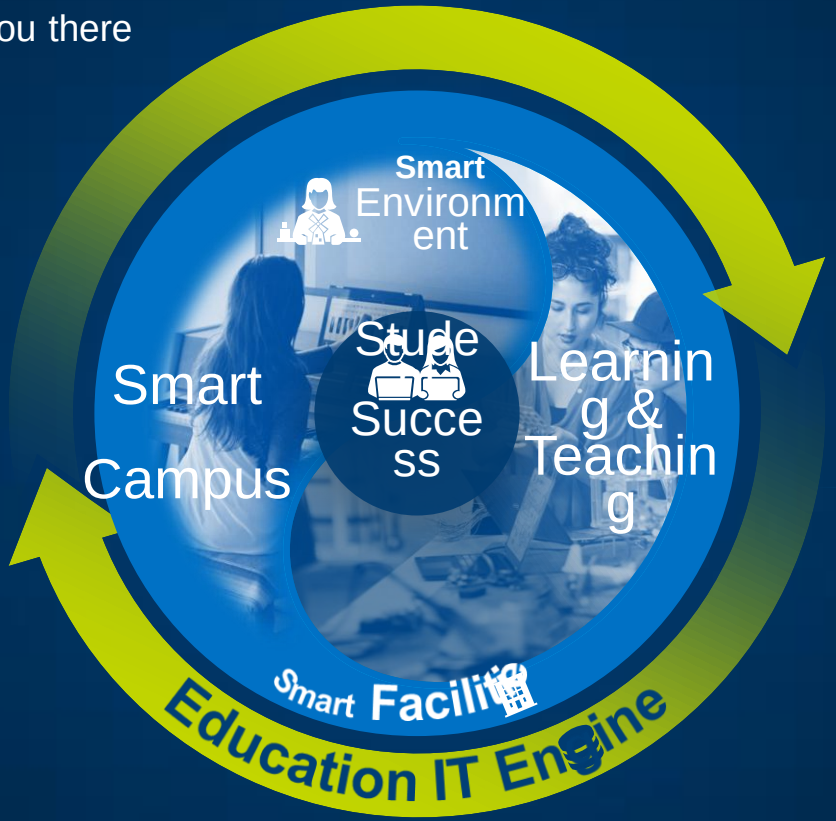
Intel’s approach to creating a 360º learning experience

360º Learning Experience

The right technology gets you there

CAPABILITIES

- MOBILITY
- CLOUD
- ANALYTICS
- SECURITY
- NETWORK & STORAGE



Experiences

Greater student engagement with meaningful experiences and enhanced technology

Greater teaching experience with greater connectivity, assessment tools and data insights

Path to 360º Learning

A holistic approach to education transformation that includes leadership and planning, policy, curriculum and assessment, sustainable resourcing and evaluation that maximize technology implementation for student success

Intel's ed transformation guidebook helps with planning your vision

360º Education Experience

360º LEARNING – holistic solutions approach from Intel

Learning and Teaching

Prepare students for success with meaningful modern learning experiences, enhanced with technology.

SMART CAMPUS

SMART Facilities: Increase efficiency, security & safety for the campus/school environment.

Smart Environment: Deliver seamless experiences and capabilities that enhance engagement, save time and increase retention.

Education IT ENGINE

Provide optimal infrastructure for timely and relevant decision making.

Learning and Teaching

Personalized Learning

Educators can personalize learning for the success of all students with technology, supported by data analytics.

Online Learning

Online learning – stand-alone or blended – offers flexibility, ease of access and extends learning beyond the classroom walls

Digital Assessments

Assessments via technology enable educators to support and intervene in student progress in real time, driven by data analytics, and then evaluate long-term progress.

Career Readiness

Students develop transferable skills for the workforce including computational thinking and modern (21st C) skills such as creativity, critical thinking and problem solving.

CREATE meaningful modern learning experiences with the right technology solution

Education IT Engine

FLEXIBLE & SCALABLE INFRASTRUCTURE

Optimizing Infrastructure with the right balance of local and remote resources to deliver the foundation for the smart campus

PROTECTING KEY DATA

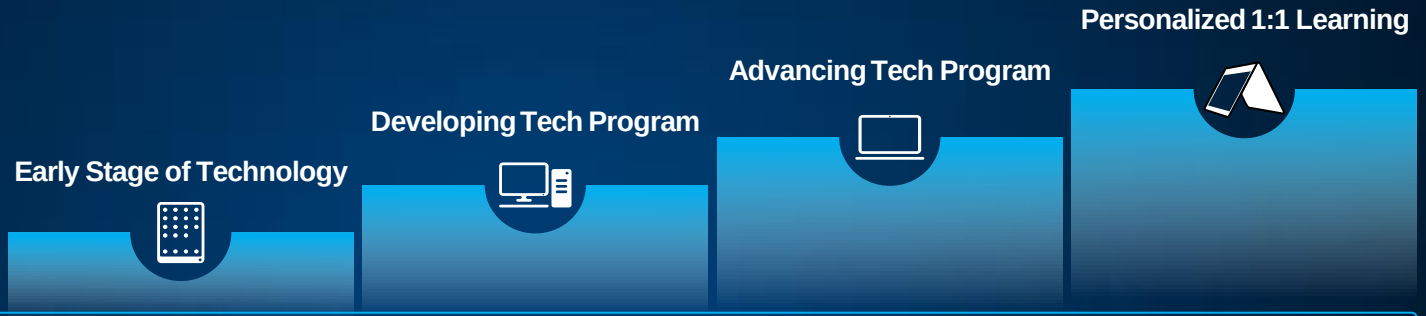
Applying a combination of hardware and software to implement key security solutions that apply to education horizontally across use cases

Analytic Feedback

Deliver analytic output back to users in a way that allows for rapid interpretation and influences actions to improve student outcomes and the next round of data input

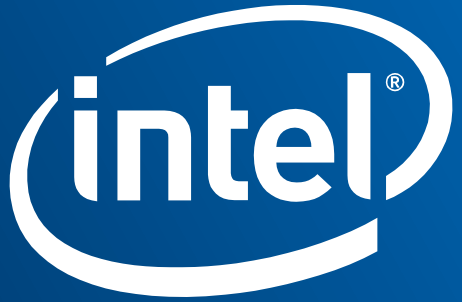
A robust foundation powering the learning experience

Tech Adoption Progression Chart



	Early Stage of Technology	Developing Tech Program	Advancing Tech Program	Personalized 1:1 Learning
Client Devices	Lab(s) with occasional and shared use by multiple classes - desktop PCs or carts	Labs and shared computers in classrooms; a few mobile devices or carts selected for the right use and grade level;	Student-centered learning environment emerges with multiple devices in the classroom	All students and educators have connected mobile devices for personalized learning, supported by data and tools
Connectivity	Intermittent/limited	Consistent connection 256Kb/sec/student	More bandwidth 1 Mb/sec/student	More bandwidth 3 MB/sec/student
Local Servers	Desktops as servers (content distribution)	Legacy servers Beginning virtualization	Virtualized servers Some hybrid instances	Virtualized servers exploring virtual network hybrid cloud
Cloud	Minimal: Online storage Email	Leverage public cloud services	Integrate public cloud services with on-prem services	Optimized integrated public/private model
Security	Meets Compliance	+ Encryption enhancements	+ ID protection, cloud security, data privacy	+ Asset tagging, and more


Thank you
Dr. Sabine Huber
Worldwide Public Sector Specialist
Sabine.s.Huber@intel.com
www.intel.com/education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