

TODAY'S STUDENTS ARE TOMORROW'S WORLD PROBLEM SOLVERS

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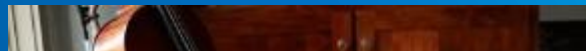
WHY EDUCATIONAL TRANSFORMATION IS NEEDED



**TECHNOLOGY RE-SHAPING
OUR WORLD**



**A NEW WORKFORCE
EMERGING**



**BEYOND 21ST CENTURY
SKILLS ... WHAT WILL IT
TAKE TO SUCCEED?**

EDUCATION IN TRANSITION

SCALE PLATFORM

GAMIFICATION

OPEN EDUCATION
RESOURCES

CLOUD SERVICES

TESTING

HIGH PERFORMANCE
COMPUTING

SECURITY



EDX = 1M PARTICIPANTS, 68 OPEN ON-LINE,
1.1B CLICKS, 18 MOS



3.9B VIEWS, MORE THAN 100M USERS,
\$2.5B ACQUISITION

K-12 OER

20M DOWNLOADS,
FIRST OER OFFICER

TO MEET OUR GOAL OF IT SERVICE EXCELLENCE
We will increase **80%** of Notre Dame IT services and the CIO's
by **2017**
(to include our new 300 IT services by 2017)


Join the conversation at [#NDCloudFirst](#)
CIO: Notre Dame's Trusted Technology Partner

NOTRE DAME: 80% OF CORE SERVICES
TO CLOUD BY 2017

Technology Skills for Online Assessments

What skills do students need for PARCC & SBAC
CBT

100M ON LINE ASSESSMENTS BY 2018,
20% TODAY



EXASCALE COMPUTING

THE WORKFORCE IS EVOLVING...

... NEW EXPECTATIONS GREATER DIVERSITY

Millennials value *development, company reputation*, and the *work* itself over salary¹

Millennial median time with employer is **2 YEARS** vs 5 years for Gen X and 7 years for Boomers²

36% of ALL global workers WW believe working remotely is a right³



ARE YOU HELPING PREPARE STUDENTS FOR THIS WORKFORCE SHIFT?

1. PWC Millennials At Work Report, 2011, Global; 2. PayScale, GenY On The Job, 2012, US; 3. 2010 Cisco Connected World Report, Global

PREPARING STUDENTS FOR SUCCESS



COMMUNICATION



CRITICAL THINKING



CREATIVITY



COLLABORATION



DIGITAL LITERACY

A FAST CHANGING WORLD AND A LIFETIME OF LEARNING

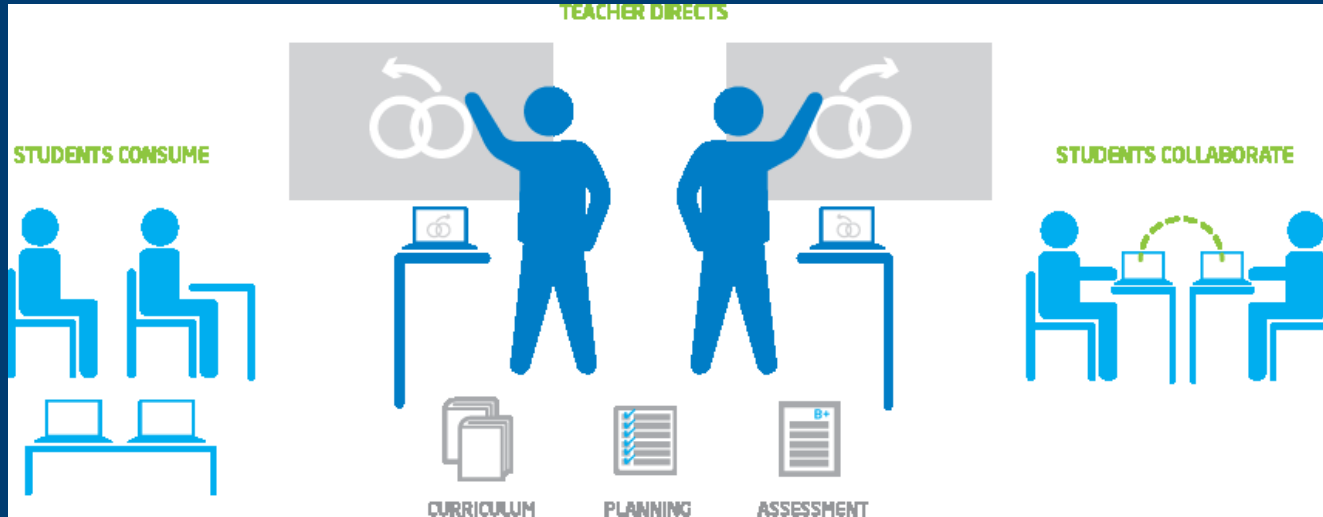
SHIFTING THE LEARNING PARADIGM

Traditional Teacher-Centered Classroom

Lecture-based knowledge dissemination. Limited use of technology.

Transitional Teacher-Centered Classroom

Lecture-based knowledge dissemination. Technology used for collaboration.

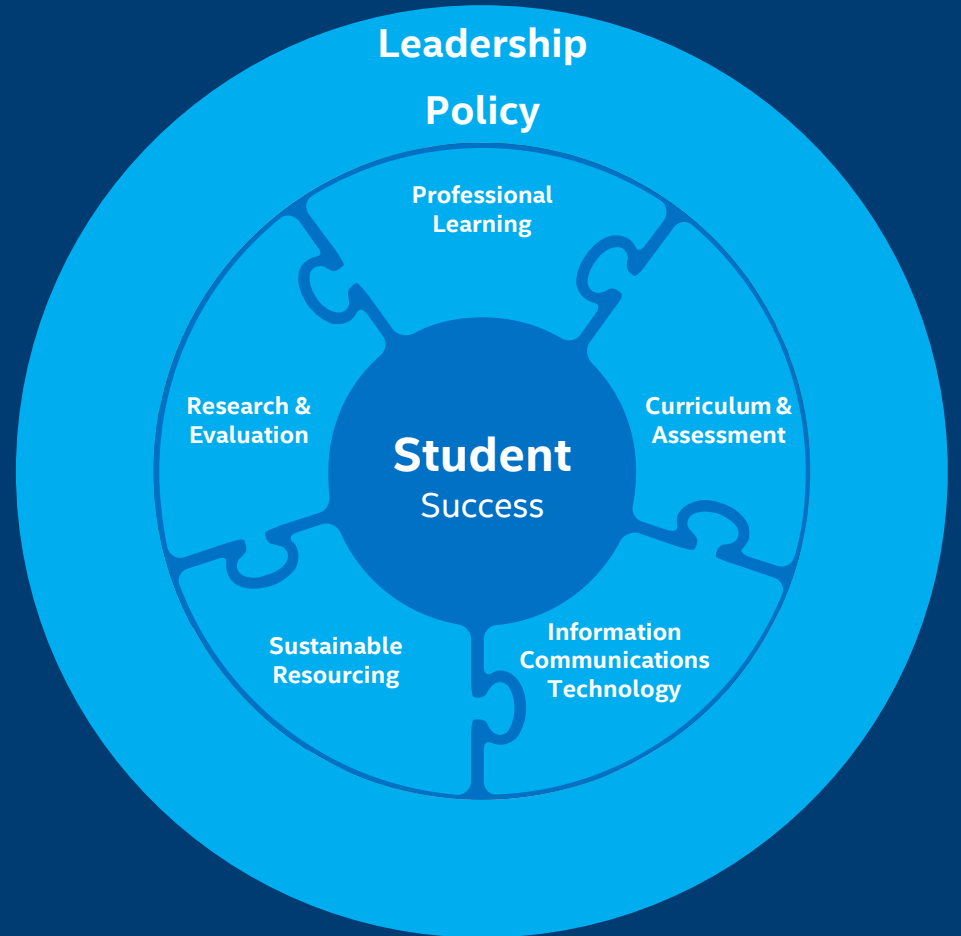


EVOLVING TOWARD STUDENT-CENTERED CLASSROOM



Addressing the *distinct* learning needs, interests, aspirations, and backgrounds of individual students through a variety of instructional approaches and academic-support strategies

**IT TAKES A
COMPREHENSIVE
APPROACH TO CREATE A
21ST CENTURY LEARNING
ENVIRONMENT.**



CREATING SUCCESSFUL LEARNING ENVIRONMENTS

A Comprehensive Approach

DEVELOP

the strategic **Plan† & Knowledge** to maximize your investment

Vision for Personalized Learning
Professional Learning
Policies
Sustainable Resourcing
Research & Evaluation
Privacy & Security Standards
How to Use Big Data (IT & educators)

BUILD

The robust **Infrastructure** to support your program

Servers (school or system)
Access (classroom)
Storage
Cloud Services
Networking
MDM
Security Software & Policies

CHOOSE

The right **Devices** that meet your needs

2 in 1
Tablet
Chromebook*
Laptop
Devices to support custom usages:
• AIO, Compute stick, mini PC (eg, NUC)
Additional classroom devices:
• Intel® Galileo, science kits, etc.

SOURCE

The relevant **Software and Content** for your curriculum

Curricula
Supplemental Content
Web-based Free Resources
Assessments
Learning Software/Apps
LMS/CMS/SIS
Data Analytics

INTEL CAN HELP YOU CREATE A COMPREHENSIVE SOLUTION BLUEPRINT

KNOWLEDGE AND RESOURCES FROM INTEL® EDUCATION: HELPING YOU DEVELOP YOUR VISION PLAN

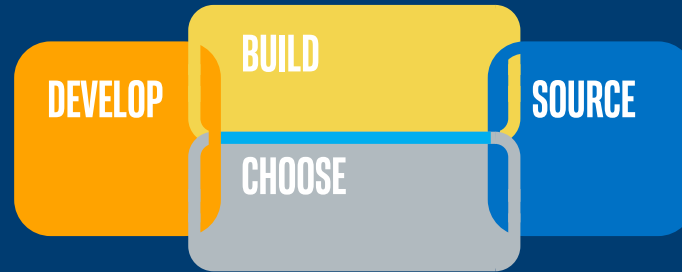
EDUCATION

PROJECT PLANNING

Educational
vision creation

Consulting workshops

Technical and pedagogical
requirements assessment



DEPLOYMENT

SUPPORT

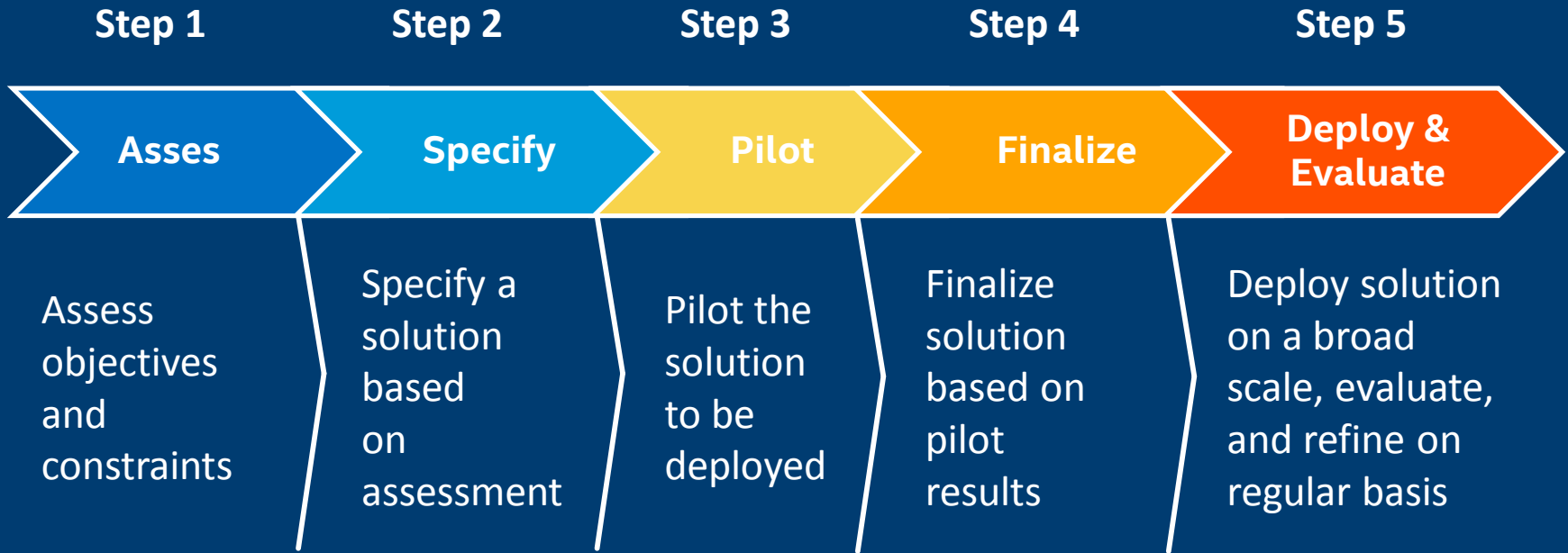
Deployment
management tools

Teacher and IT staff
professional development

Impact assessment

PLANNING AND SUPPORT TO ACHIEVE SUCCESSFUL DEPLOYMENTS

Steps to Deploying 1:1 eLearning Environments



IMAGINE THE POSSIBILITIES...FOR YOUR STUDENTS



Applications write themselves based on observing your behavior



Language Barriers are mostly eliminated



Near Field Communication enables more Electronic Payments



Gesture Control and Facial Recognition become common place



Self Driving Cars



Advances in Prosthetics

Source: Booz Allen Hamilton

TRANSFORMING EDUCATION FOR THE NEXT GENERATION

REGIONAL INITIATIVES

Vision

Leadership

Policy

Long-term Plan

Sustainable



INTEL[®] EDUCATION: AN EXPERIENCED COLLABORATOR

- **Research-based:** Our approach is based on scientific research, vetted by educational professionals and evaluated in real-life settings for over 15 years
- **Committed:** More than USD 1 billion invested over more than a decade
- **Extensive:** Programs in more than 100 countries, over 15 million teachers trained
- **Collaborative:** Bringing together governments, NGOs and technology companies worldwide
- **Effective:** Research-based efforts, industry-leading technologies and solutions

LET'S WORK TOGETHER

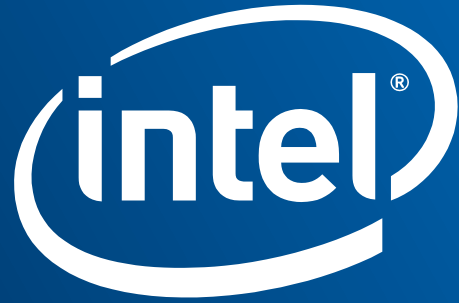
- Develop students that are next-generation citizens, innovators and entrepreneurs
- Use the transformation model as a comprehensive approach that is delivering results around the world
- Provide powerful, practical programs, technologies and resources to help you achieve your vision of student success

More information: www.intel.com/education

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TOGETHER



Education