

IDC Government Insights: K – 12 Education DX Use Cases

Strategic Priorities

PROGRAMS

USE CASES

Teaching and Learning 

Modernized Teaching

Smart Classrooms

Maker Spaces and Virtual Labs

Learning Analytics

Curriculum Planning for Online/Hybrid Learning

Online and Digital Exam Proctoring

Virtual/online assessments

Automated grading tools

Modernized Learning

Online/blended learning programs

Virtual Field Trips & Community Events


Equitable Student Connectivity

Digital Inclusion and Accessibility Programs

Virtualized Student Workspaces

Immersive Learning Experiences

Collaborative Libraries

Student Engagement and Support 

Recruitment, Admissions, and Financial Aid

Personalized Recruitment

Virtual/ Extended Reality Tours

Digital Admissions and Enrollment

Intelligent Financial Aid and Compliance

Student Administrative Tools

Student and Parent Portals

Self-Service Student & Parent Resources

Onboarding Services


Student Success

Integrated Student Planning, Mentoring, and Advising

Engagement Tracking and Analysis

Connected School Communities

Virtual Student Support One-Stops

Student Health and Wellbeing 

Telehealth

Student Health and Wellness

Virtual Care

Digital behavioral health therapy

Secure Clinical Messaging

Student Health Monitoring and Support

Passive student mental and physical health assessments

Proactive Health Education

Symptom Checker

School Administration and Operations 

Human Resources

HR Services Delivery

Comprehensive Onboarding

Digital Skills Training

Predictive Workforce Management

Integrated Faculty Communications

Enterprise Resource Mgmt & Administration

Generative Budgeting & Planning

Predictive Supply Chain Management

Connected Back Office

Grants Management

Smart Buildings, Facilities and Operations

Intelligent School Operations

Digital Twins

Dynamic Space Planning

Smart Buildings

Connected Maintenance

School Safety & Security


Secure Facility Access

Next-generation emergency management

Automated visitor management

School threat monitoring and detection

Environmental monitoring and alerts

Alumni and Partner Relations 

Alumni & Donor Relationship

Donor Intelligence

Alumni Relationship Management

Intelligent Alumni Event Management

Corporate & Nonprofit Partnerships

Workforce Development and Skills Partnerships

Corporate/Nonprofit Partnership Development

K - 12 Digital Transformation Roadmap



HORIZON 1
Immediate

HORIZON 2
Mid-Term

HORIZON 3
Long Term