Exploring the 2025 Ohio Learning Standards for Technology

Ohio Department of Education and Workforce Priorities

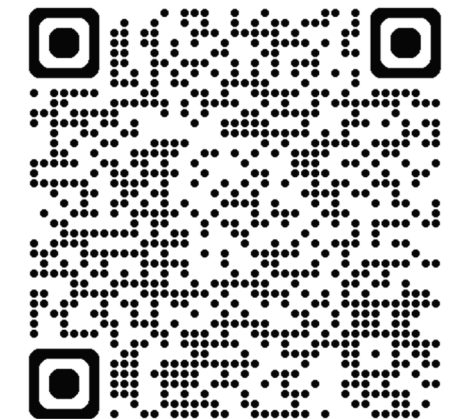Literacy

Learning Acceleration

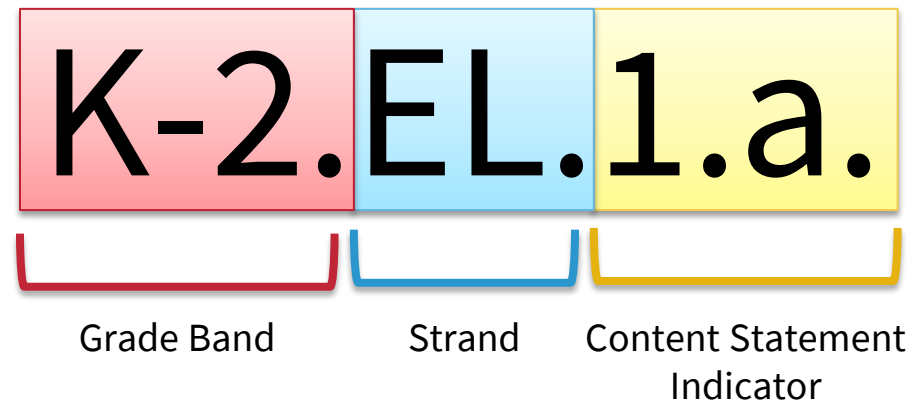Workforce Readiness

Student Wellness

Purpose:

- To equip Ohio educators with a clear understanding of the 2025 Ohio Learning Standards for Technology.
- To engage educators in meaningful discussions, share insights, and address questions related to the new standards.
- To provide practical strategies, resources, and examples for implementing the updated standards.

Ohio's Learning Standards for Technology

- Adopted February 2025.

- Focus on how students learn with technology rather than learning about technology tools.

Standards Structure

K-2. EL. 1.a.

Grade Band   Strand   Content Statement Indicator

- 4 Grade Bands
  - K-2, 3-5, 6-8, and 9-12
- 7 Strands
  - Empowered Learner (EL), Digital Citizen (DC), Knowledge Constructor (KC), Innovative Designer (ID), Computational Thinker (CT), Creative Communicator (CC), and Global Collaborator (GC)
- 4 Indicators per Strand

The Strands

- Each strand within the ISTE Standards for Students focuses on different aspects of digital learning, creativity, and responsibility. Each strand empowers students to become thoughtful, skilled, and ethical digital citizens while preparing them for the future.

Empowered Learner

- Self-directed learning: Students set personal learning goals and use technology to achieve them.

- Tech fluency: They develop skills to use digital tools independently.

- Adaptability: They select and evaluate tools that best support their learning.

- Feedback & Reflection: They leverage technology to track progress and improve.
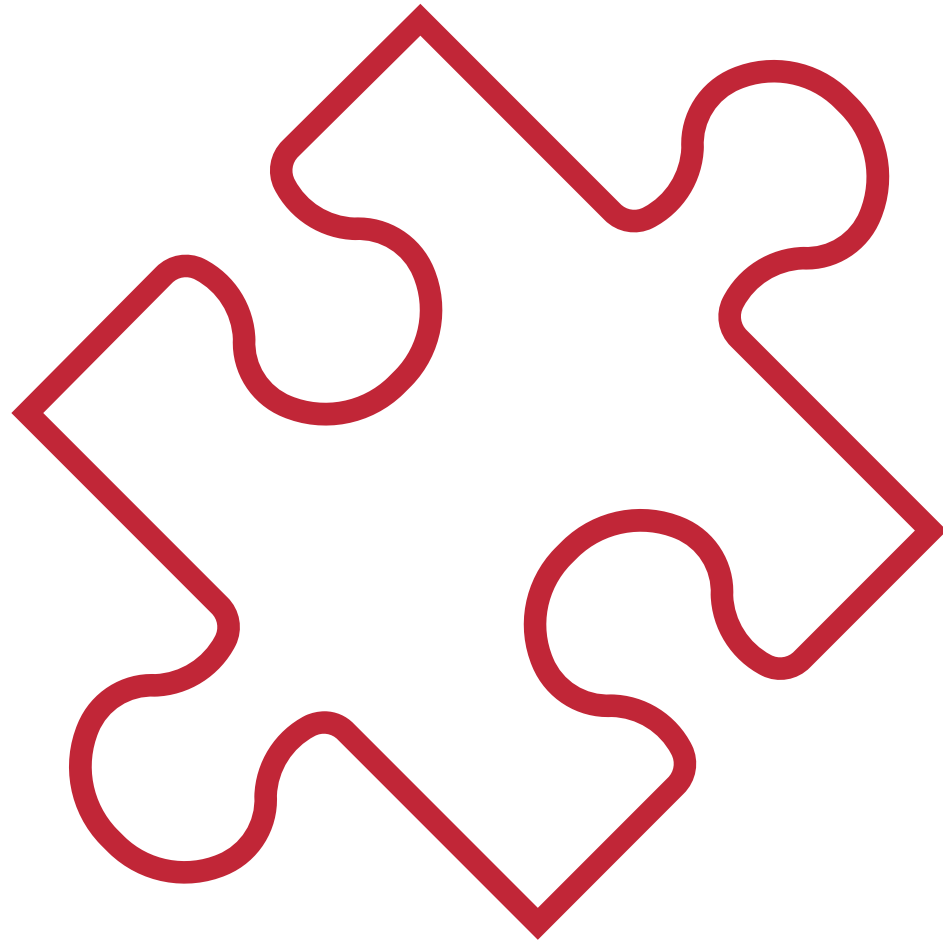
Digital Citizen

- Ethical tech use: Students understand the implications of their online actions.

- Privacy & security: They practice safe digital habits and protect personal data

- Digital literacy: They analyze media content and distinguish credible sources.

- Responsible engagement: They contribute positively to online communities.

Knowledge Constructor

- Information curation: Students gather, evaluate, and organize digital content.

- Critical thinking: They analyze sources to determine credibility and bias

- Creative synthesis: They use digital tools to create meaningful, original content.

- Research & inquiry: They leverage technology to deepen understanding of topics.
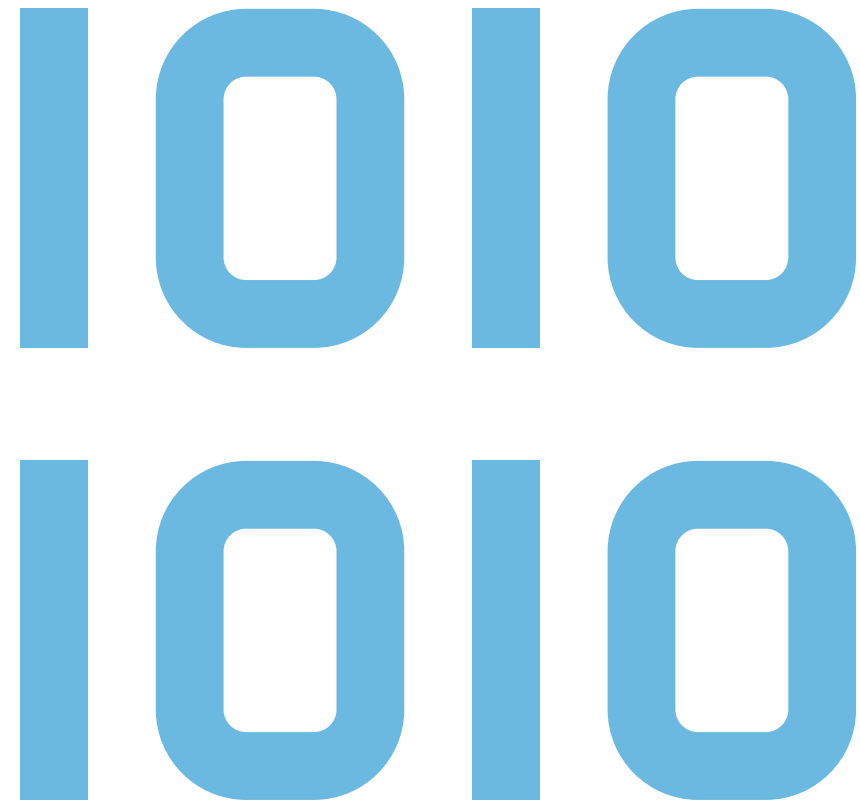
Innovative Designer

- Problem-solving mindset: Students use technology to design innovative solutions.

- Creative expression: They experiment with digital tools to build new ideas.

- Resilience: They learn through failure and iteration in the design process.

- Design thinking: They use computational tools to tackle real-world problems.

Computational Thinker

- Algorithmic thinking: Students recognize patterns and apply logic to solve problems.

- Automation & coding: They explore programming and digital automation.

- Data analysis: They use technology to process and interpret data.

- Mathematical applications: They apply computational skills to practical situations.
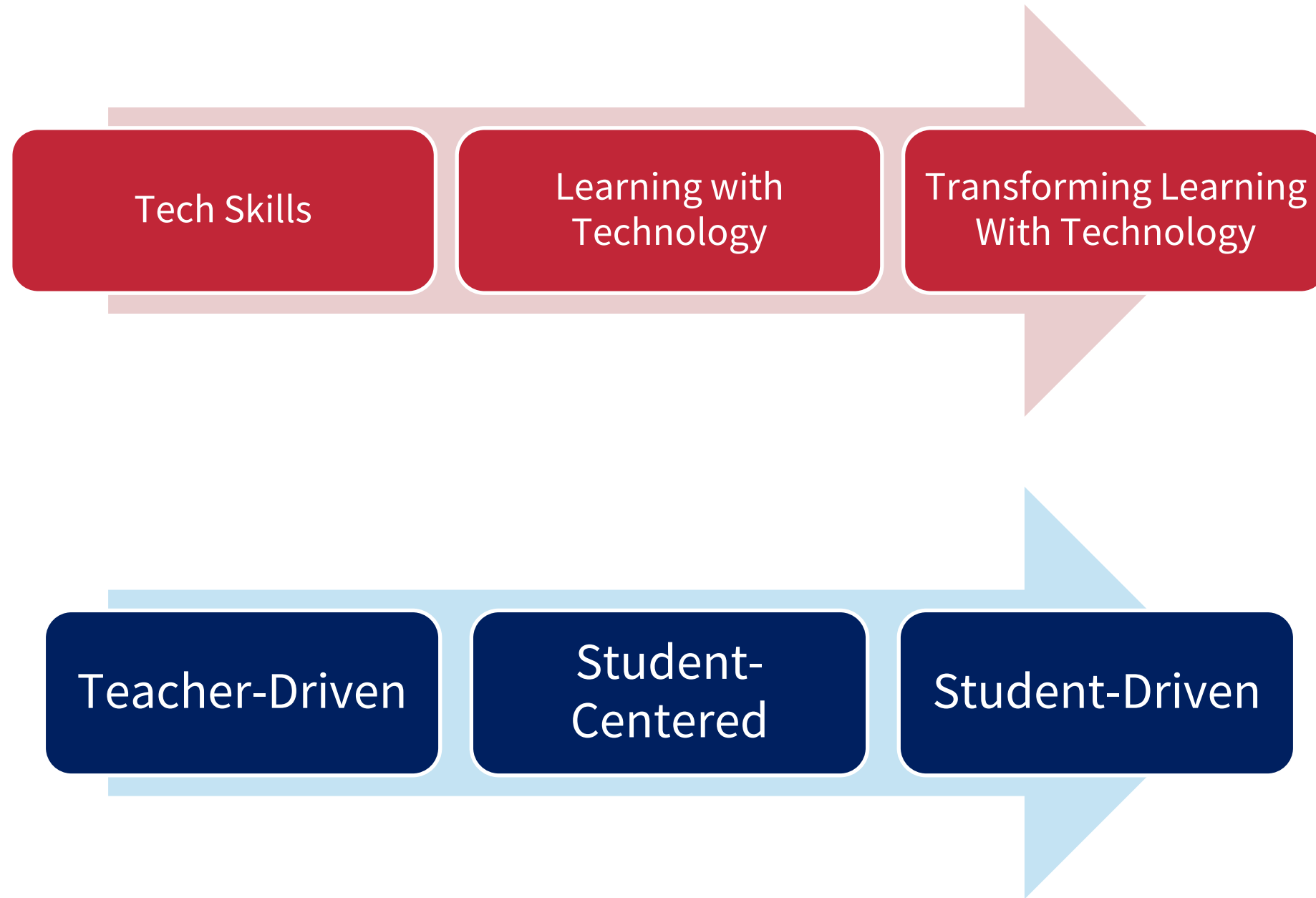
Creative Communicator

- Multimedia expression: Students use digital tools to create and share ideas.
- Purposeful messaging: They select the right formats for effective communication.
- Digital storytelling: They use visuals, audio, and interactive media to convey messages.
- Collaboration tools: They leverage technology for dynamic teamwork.

Global Collaborator

- Cross-cultural engagement: Students use technology to connect with diverse perspectives.

- Teamwork & networking: They collaborate with others to solve problems.

- Digital interaction: They engage in global discussions and exchange ideas online.

- Social responsibility: They leverage technology for advocacy and positive change.

Shifts in Thinking

Tech Skills → Learning with Technology → Transforming Learning With Technology

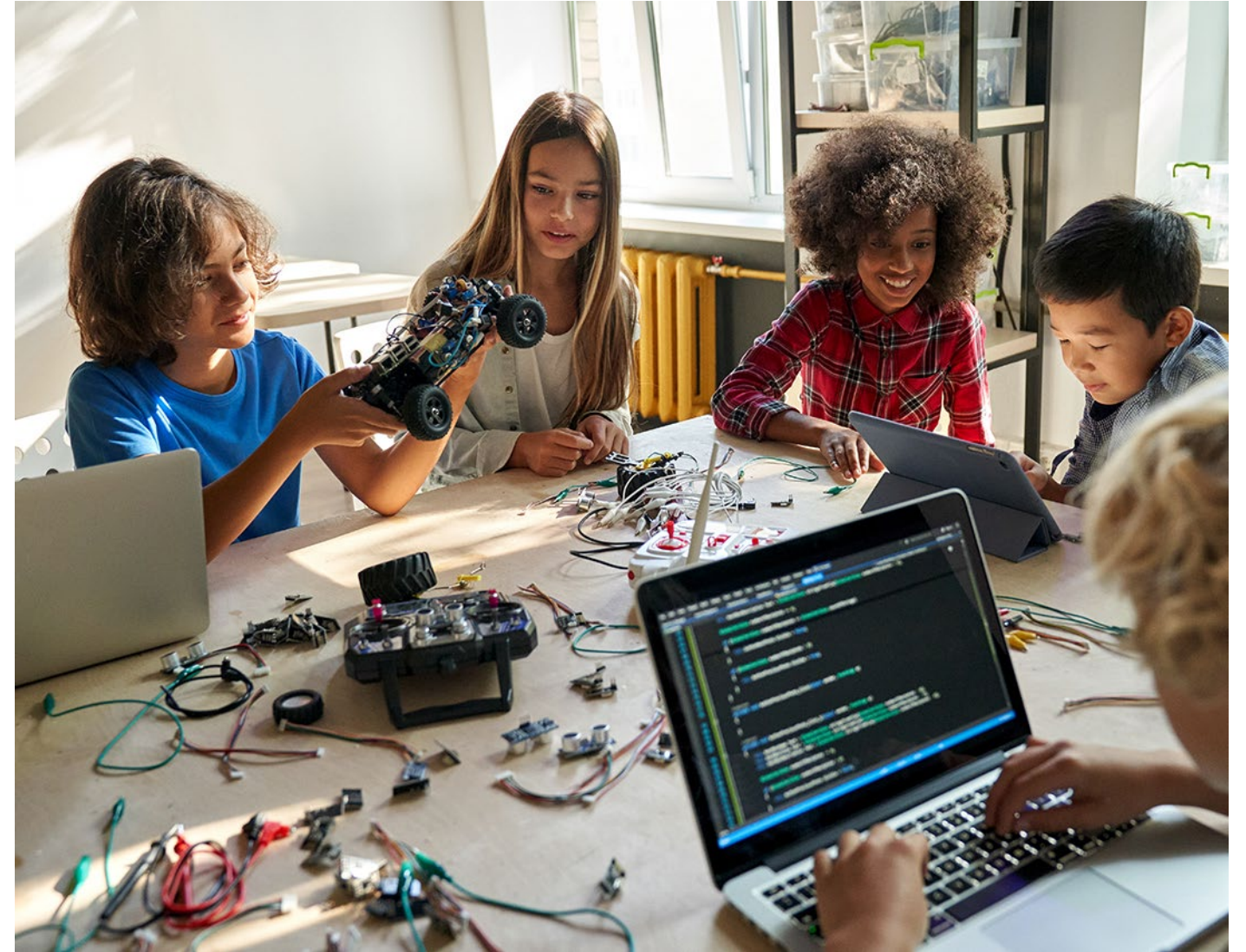Teacher-Driven → Student-Centered → Student-Driven

Addressing Technology Concepts

- **Artificial Intelligence**

  - No AI-specific indicators

  - Added language to Digital Citizen, Knowledge Constructor, and Creative Communicator strand descriptions as they are the most focused on key AI skills

- **Digital Literacy**

  - The Digital Citizen, Knowledge Constructor, and Creative Communicator include indicators that focus on the ability to use technology to find, evaluate, create, and communicate information using cognitive and technical skills

- **Student Safety and Social Media**

  - The Digital Citizen strand serves as a guide for teachers in preparing students to be civic-minded in the digital world, encompassing aspects such as developing good judgment and inspiring inventive thinking when utilizing various tools and social media platforms.

Integrating the Standards into the Classroom

- Empower student voice, ensure learning is a student-driven process
- Embed technology in a meaningful way to meet learning goals
- Introduce students to technology tools*
- Collect feedback on the final product

Implementation Challenges- Share Out

What challenges might arise in aligning existing lesson plans with the new standards, and how can they be addressed?

How can educators ensure that students learn with technology rather than just about specific tools or platforms?

Resources and Support

- Crosswalk
- ISTE
  - Videos
  - "Glossary"
  - Essential Conditions
- INFOhio resources
- Ohio EdTechs
- Ohio's ISTE partners (ITIP Ohio, Learn21)

Crosswalks

The following standards crosswalks serve as a tool for educators to identify and map the shifts between the 2017 Ohio Learning Standards for Technology and the 2025 Ohio Learning Standards for Technology.

Kindergarten – Grade 2 Crosswalk

Kindergarten – Grade 2				
2017		**2025**		**Changes and Rationale**
Information and Communication Technology (ICT)	ICT.1.a. Develop basic skills for using digital learning tools and resources to accomplish a defined task.	**Empowered Learner (EL)**	EL.1.a. With guidance from an educator, students consider and set personal learning goals and utilize appropriate technologies that will demonstrate knowledge and reflection of the process.	ICT.1.a.- Now EL.1.b. ICT. 1. b.- Now EL.1.a. EL.1.c. and EL.1.d. were added to expand student skills related to being an active participant in one's own learning.
	ICT.1.b. With guidance, identify a goal and determine how digital learning tools can help accomplish that goal.			
	ICT.2.a. Develop basic skills for locating information using digital learning tools and resources.		EL.1.b. With guidance from an educator, students learn about various technologies that can be used to connect to others or make their learning environment personal and select resources from those available to enhance their learning.	
	ICT.2.b. Identify main ideas and details in information found with digital learning tools and resources.			
	ICT.3.a. Develop basic skills for gathering and organizing information from multiple digital learning tools and resources to build knowledge.		EL.1.c. With guidance from an educator, students recognize performance feedback from digital tools, make adjustments based on that feedback, and use age-appropriate technology to share learning.	
	ICT.3.b. Use visuals found in digital learning tools and resources to clarify and add to knowledge.			
	ICT.3.c. Collect, record and organize observations and data during student explorations using digital learning tools and resources.		EL.1.d. With guidance from an educator, students explore a variety of technologies that will help them in their learning and begin to demonstrate an understanding of how knowledge can be transferred between tools.	

8 | Ohio's Learning Standards for Technology Crosswalk | 2025

Ohio Department of Education & Workforce

1.1 Empowered Learner

1.1a Learning Goals

Students set learning goals, develop strategies leveraging technology to achieve them and reflect on the learning process to improve learning outcomes.

⊙ Watch Video

1.1b Customized Learning Environments

1.1c Feedback to Improve Practice

1.1d Technology Fundamentals

Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning sciences.

Thank you!

Questions?

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