

# AZ Educational Technology Standards

## Write/Revision

August 27, 2020

Virtual Meeting

4pm – 6pm



# Thank you!!!!



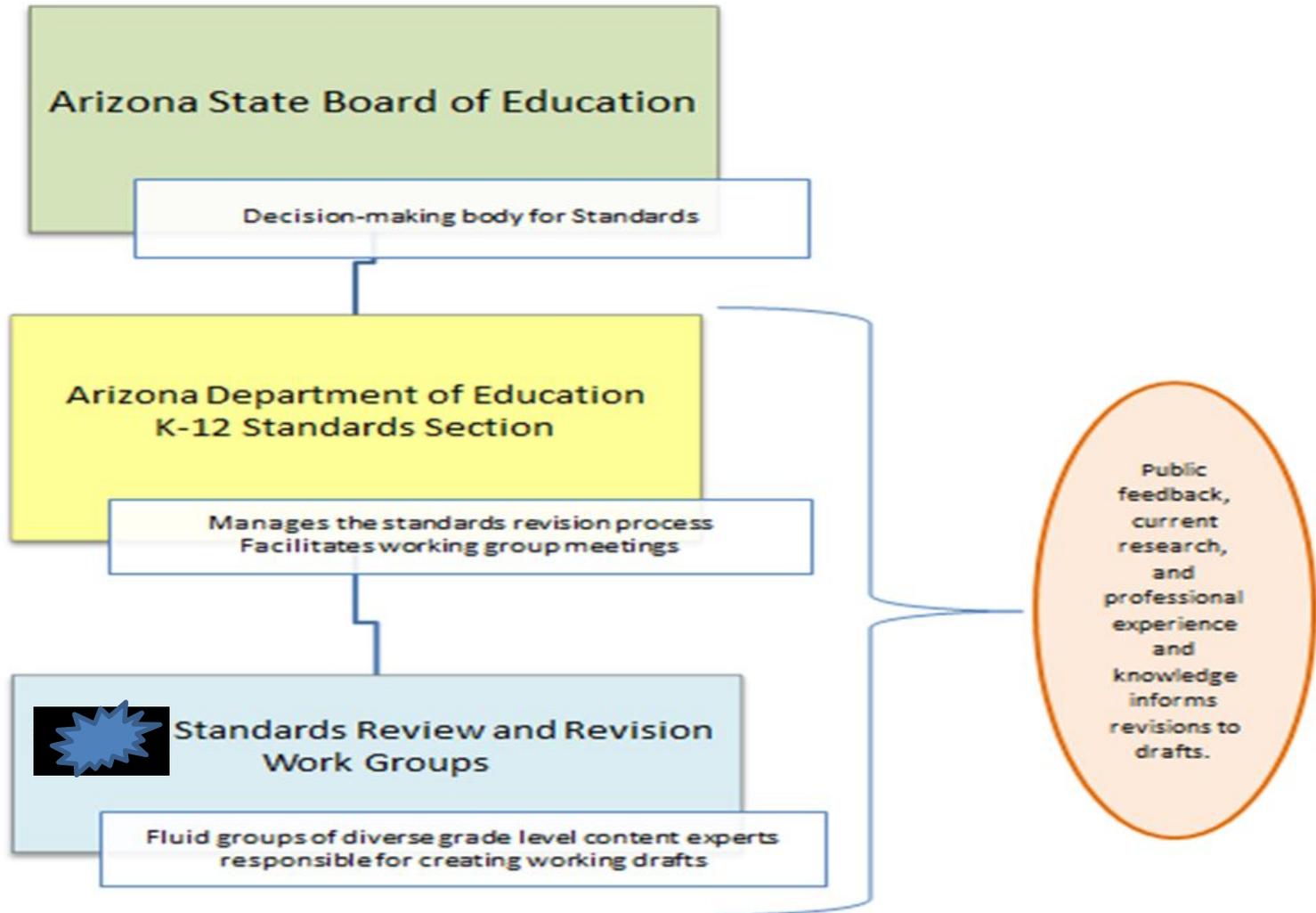
# Introductions

Introduce yourself by telling everyone in the group:

1. Your name
2. Your school/district
3. Your current position



# Standards Review- Structure



# Roles/Responsibilities: ADE K-12 Standards Staff

## ADE K-12 Standards Members

- Facilitate work group meetings
- Provide meeting goals, agendas, tasks, and instructions
- Provide needed materials
- Organize committee members into vertical, horizontal, and/or content groups, as appropriate.



# Ed Tech Standards Development and Implementation Timeline

May - 2020

Development Process Opened by the State Board of Education

Work group members attend Meet and Greet

August 2020

Workgroup members complete AZ Procure & Review and discuss ISTE Standards

August 2020 – May 2021

ADE convenes working groups of educators, content experts, community members, and parents



# Structure: Working Groups

Use a fluid membership model (“accordion model”) to include multiple voices and perspectives throughout the process

## ***Voices from previous meeting and new voices in each meeting***

- K-12 teachers, coaches, curriculum directors, administrators
- Higher education: instructors, professors, and/or researchers
- Content experts from the community
- Parents



# Outcomes/Goals Working Groups

- 1. Input on Vision for the Ed. Tech Standards**
- 2. Determine foundation of standards**
- 3. Vote on which state standards to focus on with specific grade level standards for AZ Ed Tech.**
- 4. Write the Ed Tech Standards**
  - Make decisions about content and structure of grade level standards
  - Apply content knowledge, grade-level expertise, research, and public feedback to inform all decisions
  - Collaborate with other grade bands to ensure progression within and across grade levels is solid
- 3. Develop drafts of K-12 Educational Technology Standards, including an introduction, glossary, and other appendices, if time permits**



# Working Group Norms

- Actively engage in all discussions
- Be open-minded
- Have an attitude that fosters collaboration, agreement, and consensus
- Be mindful of timelines and scope of work



# ADE Mission for Educational Technology Standards

- Arizona standards, written for Arizona teachers and students, by Arizona educators and content experts
- Write grade-level standards and not performance objectives



# Standards, Curriculum & Instruction

**Standards** – What a student needs to know, understand, and be able to do by the end of each grade. Standards build across grade levels in a progression of increasing complexity and demand through a range of cognitive demand levels. Standards are adopted at the state level by the State Board of Education.



# Standards, Curriculum & Instruction

**Curriculum** – The resources used for teaching and learning the standards. Curricula are adopted at a local level by districts and schools.

**Instruction** – The methods used by teachers to teach their students. Instructional techniques are employed by individual teachers in response to the needs of the students in their classes to help them progress through the curriculum in order to master the standards.

HOW

# Standards versus Performance Objectives

## Content Standards

Standards are what students need to know, understand, and be able to do **by** the end of each grade level. Standards build across grade levels in a progression of increasing understanding and through a range of cognitive demand levels.

## Performance Objectives

Performance Objectives are **incremental steps** toward mastery of individual content standards. Performance Objectives are knowledge and skills that a student must demonstrate at each grade level. Performance objectives do not imply a progression of learning and, because they are discrete skills, reach a limited level of cognitive demand.

# Questions



# Vision

MAKING POSSIBLE ...

**EVERYWHERE, ALL-THE-TIME LEARNING**



## Equity and Accessibility

**Equity** in education means increasing all students' access to educational opportunities with a focus on closing achievement gaps and removing barriers students face based on their race, ethnicity, or national origin; sex; sexual orientation or gender identity or expression; disability; English language ability; religion; socio-economic status; or geographical location.<sup>1</sup>

**Accessibility** refers to the design of apps, devices, materials, and environments that support and enable access to content and educational activities for all learners. In addition to enabling students with disabilities to use content and participate in activities, the concepts also apply to accommodating the individual learning needs of students, such as English language learners, students in rural communities, or students from economically disadvantaged homes. Technology can support accessibility through embedded assistance—for example, text-to-speech, audio and digital text formats of instructional materials, programs that differentiate instruction, adaptive testing, built-in accommodations, and other assistive technology tools.<sup>2</sup>

# Vision

Vision is the ability to think about or plan the future with imagination or wisdom.

*Imaginative - Creative - Innovative - Inspirational*  
*Equitable - Accessible*

One of the most important aspects of technology in education is its ability to level the field of opportunity for students.

—John King, Former U.S. Secretary of Education

*This is where we preserve the silver linings from the spring*



# Sharing is Caring...Breakout Groups



**Facilitator**  
**Time Keeper**

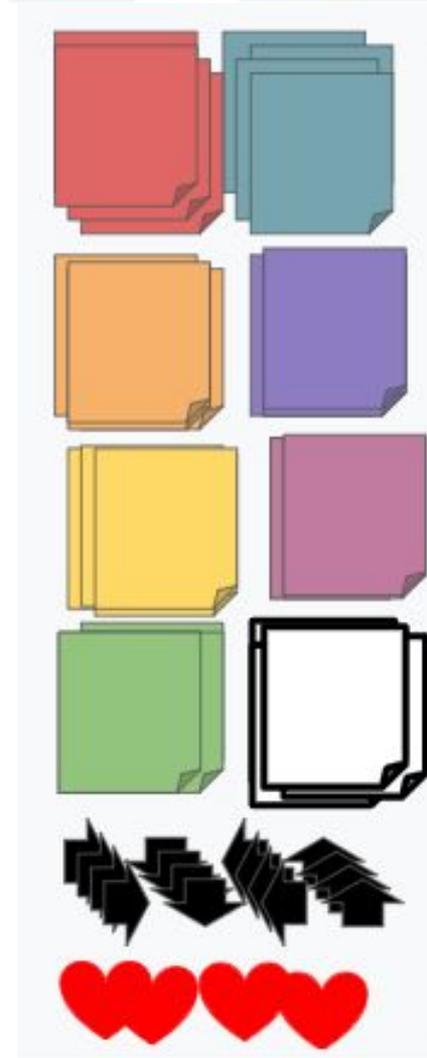
## Video On – Mic Hot

### Introduce Yourself

**What words/phrases come to mind when you think about a Vision for Arizona Educational Technology?**

# Gallery Walk - Vision

**In Breakout Teams -**  
Visit the other teams page. Use the stickies or a text box to ask questions or put a heart if something resonates with you regarding an Ed. Tech Vision for the standards.



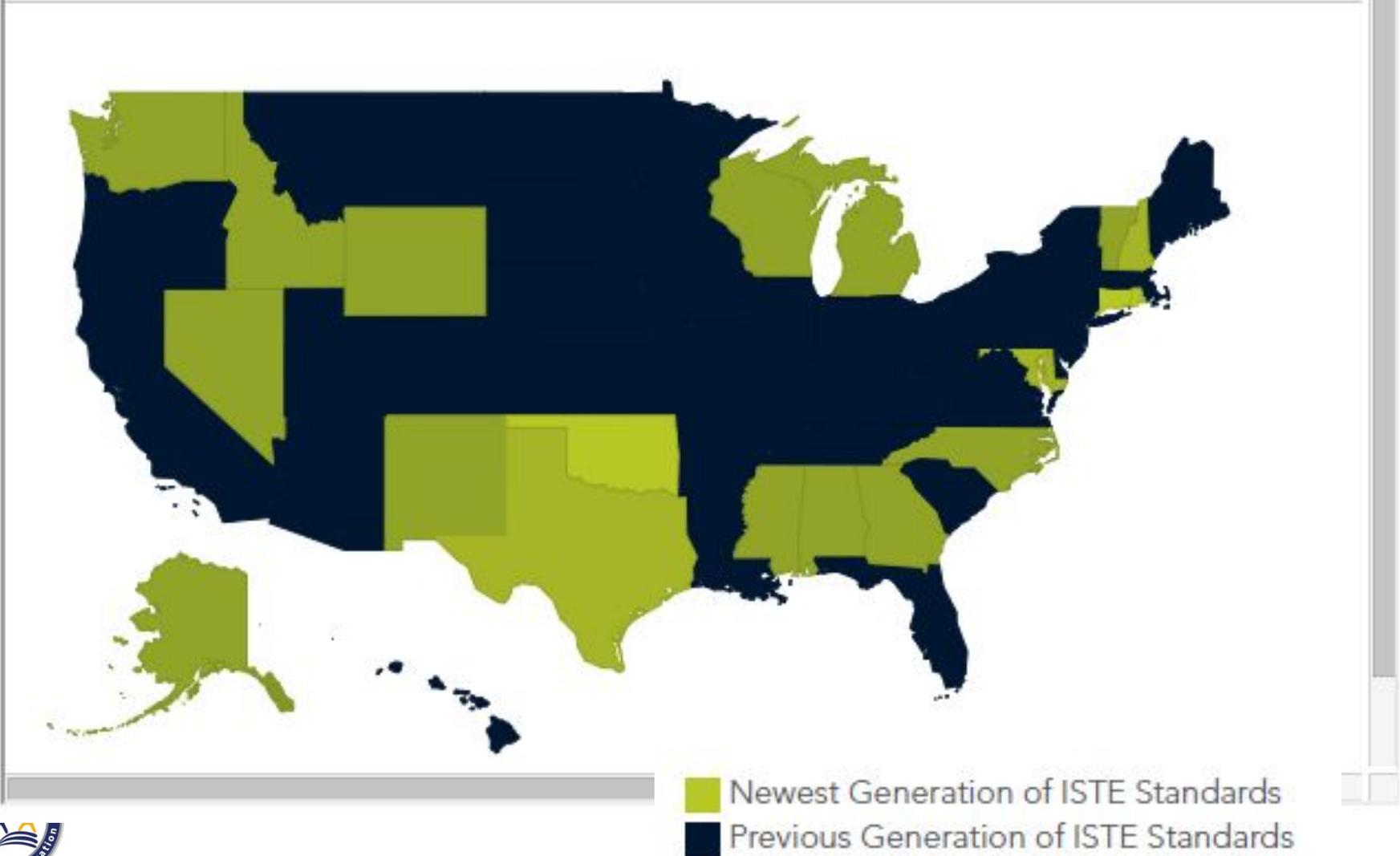
# Establishing the Foundation –

## Learning, teaching and leading in the digital age

- The family of ISTE Standards work together to help all educators drive transformation.
- Provide clear guidelines for the skills, knowledge and approaches needed to succeed in the digital age.
- ISTE standards include standards for **students, teachers, administrators, coaches** and **computer science educators**.

# Adopted 2016 ISTE Standards

U.S. States Using the ISTE Standards : Map



# ISTE Standards

Designed to enhance and support other education standards and initiatives.

1. Work in tandem with **content-area standards**



2. Enhance implementation frameworks like SAMR and TPACK



3. In line with the National Education Technology Plan, Future Ready, P21, and other initiatives

# ISTE Standards & Current AZ

ISTE Strands	Arizona Strands
Empowered Learner	<ul style="list-style-type: none"><li>• Technology Operations &amp; Concepts</li></ul>
Digital Citizen	<ul style="list-style-type: none"><li>• Digital Citizenship</li></ul>
Knowledge Constructor	<ul style="list-style-type: none"><li>• Research &amp; Information Literacy</li></ul>
Innovative Designer	<ul style="list-style-type: none"><li>• Creativity &amp; Innovation</li></ul>
Computational Thinker	<ul style="list-style-type: none"><li>• Critical Thinking, Problem Solving, Decision Making</li><li>• Also in the AZ Computer Science Standards</li></ul>
Creative Communicator	<ul style="list-style-type: none"><li>• Creativity &amp; Innovation</li><li>• Communication &amp; Collaboration</li></ul>
Global Collaborator	<ul style="list-style-type: none"><li>• Communication &amp; Collaboration</li></ul>



# Think About....

## *Should Arizona have grade level specific Ed. Tech Standards?*

1. Review different states Ed. Tech Standards
2. Consider the following
  - a. Should the AZ Ed Tech Standards go to **grade level band standards (K-2)**
  - b. Should the AZ Ed Tech Standards go to **grade level standards (K)**



# State Standards to use as a Guide

All aligned to ISTE Standards for Students

Extremely similar to each other

- Alaska – June 2019
- Virginia - March 2020
  
- Wyoming – September 2019
- Washington State – May 2018
- Wisconsin – November 2017



# Breakout Grade Band Groups

1. Review different states Ed. Tech Standards
2. Consider the following
  - a. Should the AZ Ed Tech Standards go to **grade level band standards (K-2)**
  - b. Should the AZ Ed Tech Standards go to **grade level standards (K-1-2)**
3. Record your thinking



# Nest Steps

- Next Meeting in late September
- Some members of each grade level band will return with new members joining in.

