

Every Student Every Classroom Every District

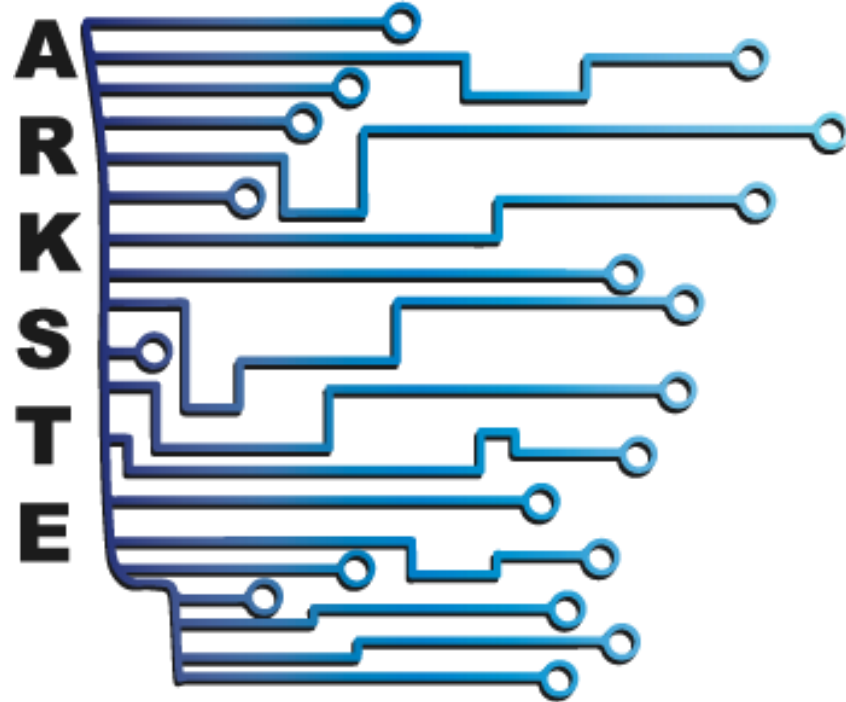
How we are committed to connecting all of
_____ Arkansas with Educational Technology

Arkansas Society for Technology in Education
Adrienne Schlake - President-Elect
Charlie Weber - Past President
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Who is ARKSTE?

The Arkansas Society for Technology in Education, Inc. is a professional educational organization for Arkansas' technology leaders. It provides a forum for technological innovation and the sharing of ideas, techniques, and tools to promote the effective use of educational technology in Arkansas schools.

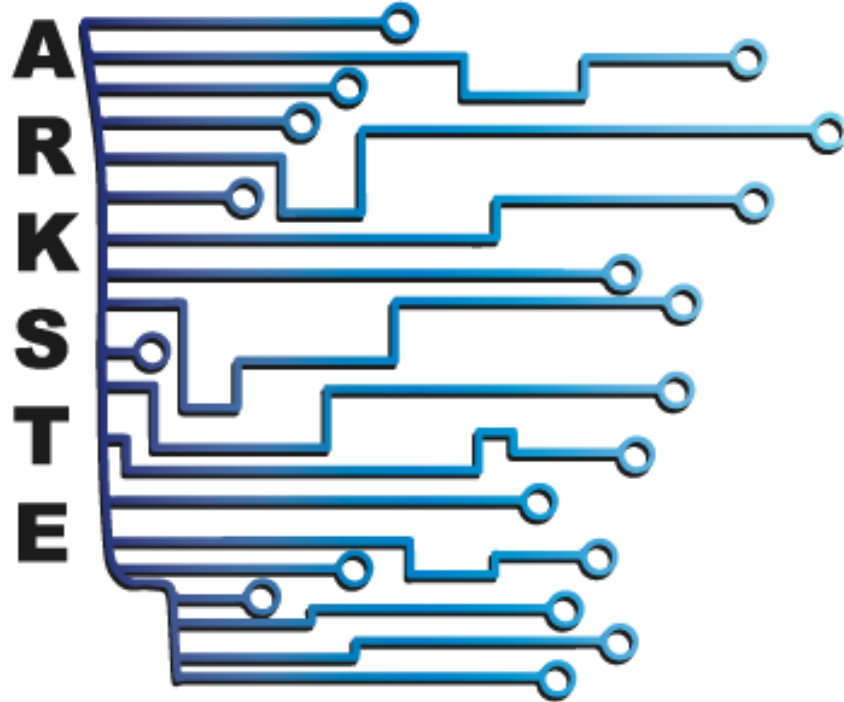




Who is ARKSTE?

Membership:

- \$0 to become a member of our statewide Professional Learning Network
- \$25 to attend our annual conference that offers PD Credit
 - April 07, 2020
 - ARCHFORD Coop., Plumerville
- Access to ISTE standards with monthly communication
- Grants Available

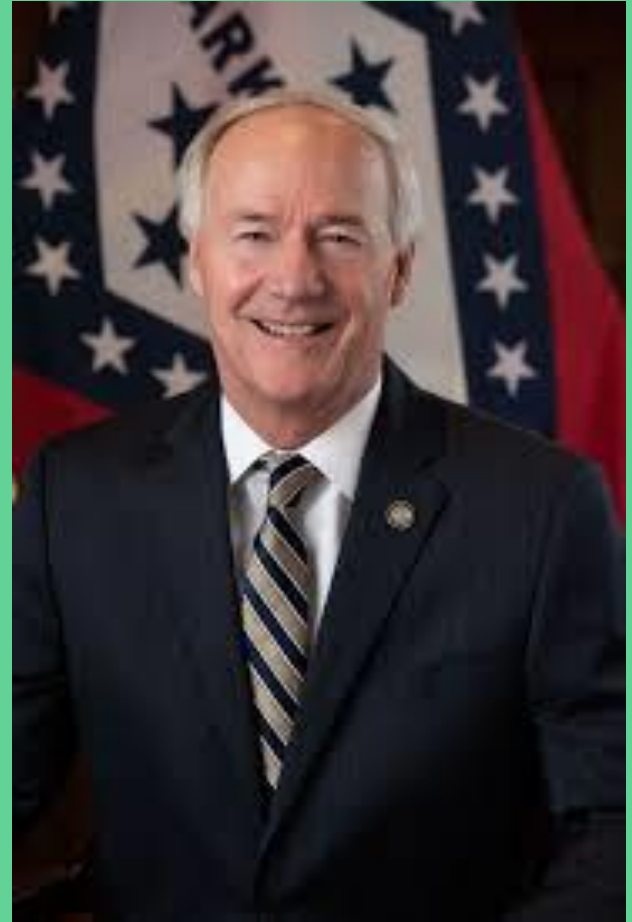


STATE OF THE STATE

21st century learning is increasing the demand for broadband. Schools need to continue to grow their bandwidth to make technology a part of learning in every classroom, every day.

“In Arkansas, our students are developing 21st century skills in the classroom to succeed in tomorrow’s workforce. This requires high-speed Internet access in every school - which is why we upgraded the Arkansas Public School Computer Network and can now provide 1 megabit per second per student to 98% of the school districts in Arkansas. We must continue to meet school broadband demands as our teachers and students adopt more and more classroom technology. The fast paced learning environment must not be slowed by insufficient broadband.”

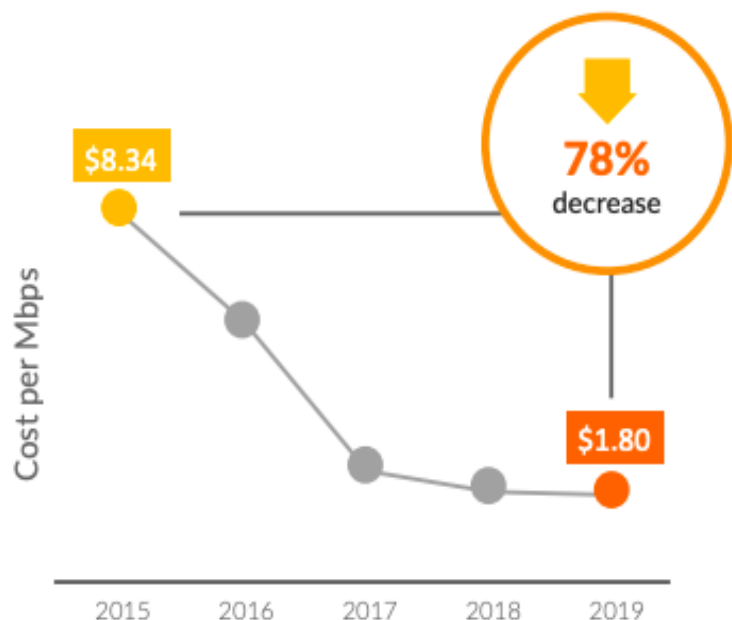
- Governor Asa Hutchinson





AFFORDABILITY

The decline in broadband prices makes it possible for network providers to upgrade every district to 1 Mbps per student.



\$1.80

Arkansas cost
per Mbps

VS



\$2.58

average cost per Mbps
of all districts meeting
1 Mbps per student



FIBER

Since 2016, Arkansas has upgraded 96% of its unscalable schools to fiber.



727 schools now have scalable infrastructure, and only

2

schools still need to be upgraded to scalable infrastructure



WI-FI

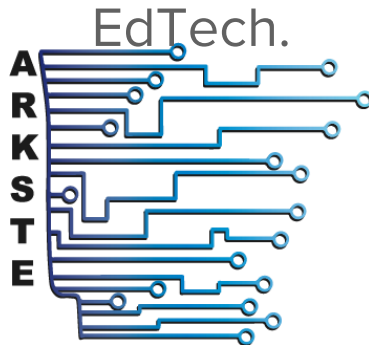
E-rate funds have enabled Arkansas schools to upgrade Wi-Fi networks and bring broadband to every classroom.

\$37.1 M

in federal Wi-Fi funding has been utilized in Arkansas since 2015

Our reach

As an organization, we contribute to our Professional Learning Network by sharing practical guidance and best practices in these fields, which directly advance the field of



Arts & Technology

Learning Spaces

Computer Science

Library & Literacy

Digital citizenship

Mobile Learning

Digital Equity

Online & Blended Learning

Digital Storytelling

STEM

Early Learning

Teacher Education

EdTech Coaches

Technology

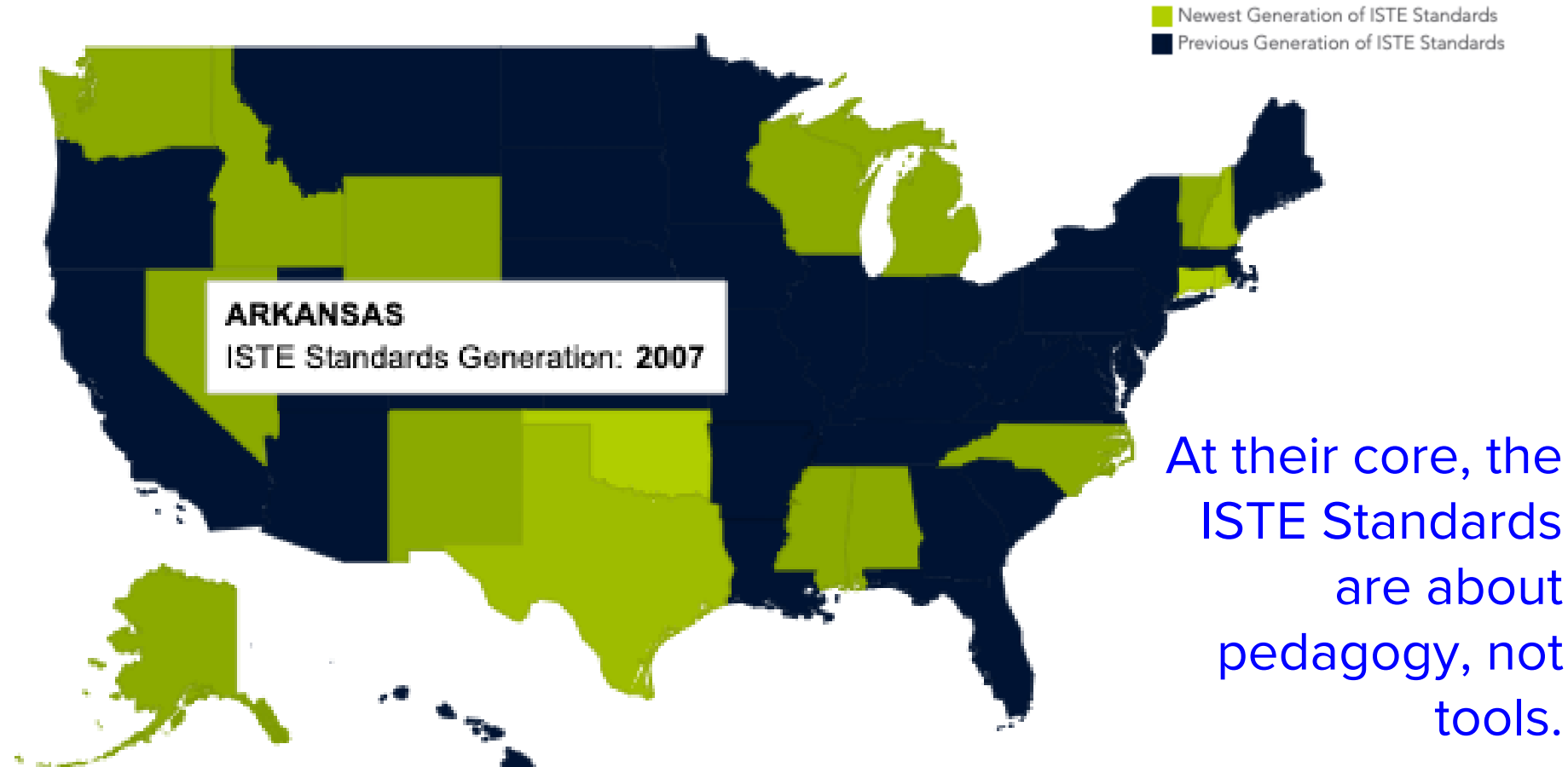
Ed Leaders

Coordinators

Games &
Simulations

Virtual Environments

ISTE Standards Adoption by State



ISTE[®]

Standards

The ISTE Standards are a framework for innovation in education. These standards help educators and education leaders prepare to thrive in work and life.



ISTE STANDARDS FOR Students

As educators, students are at the center of everything we do. The student standards describe the skills and knowledge they need to thrive, grow and contribute in a global, interconnected and constantly changing society.



ISTE STANDARDS FOR Educators

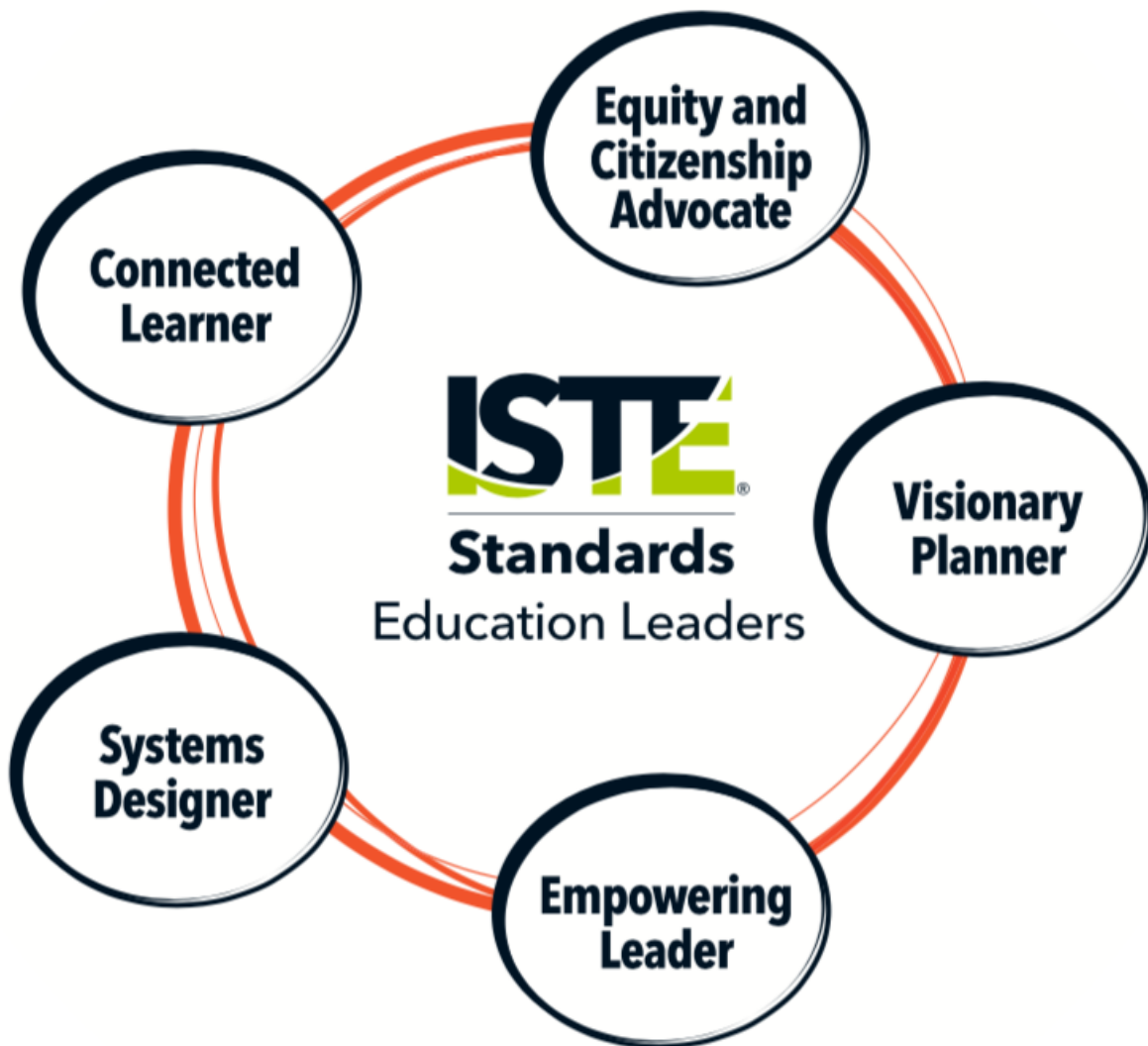
Educators have always held the key to student success. But their role is changing. The ISTE Standards for Educators define the digital age skills and pedagogical insights educators need to teach, work and learn.



ISTE STANDARDS FOR Education Leaders

The ISTE Standards for Education Leaders guide administrators in supporting digital age learning, creating technology-rich learning environments and leading the transformation of the educational landscape.





**CHANGE
AGENT**

**DIGITAL CITIZEN
ADVOCATE**

**CONNECTED
LEARNER**

ISTE[®]

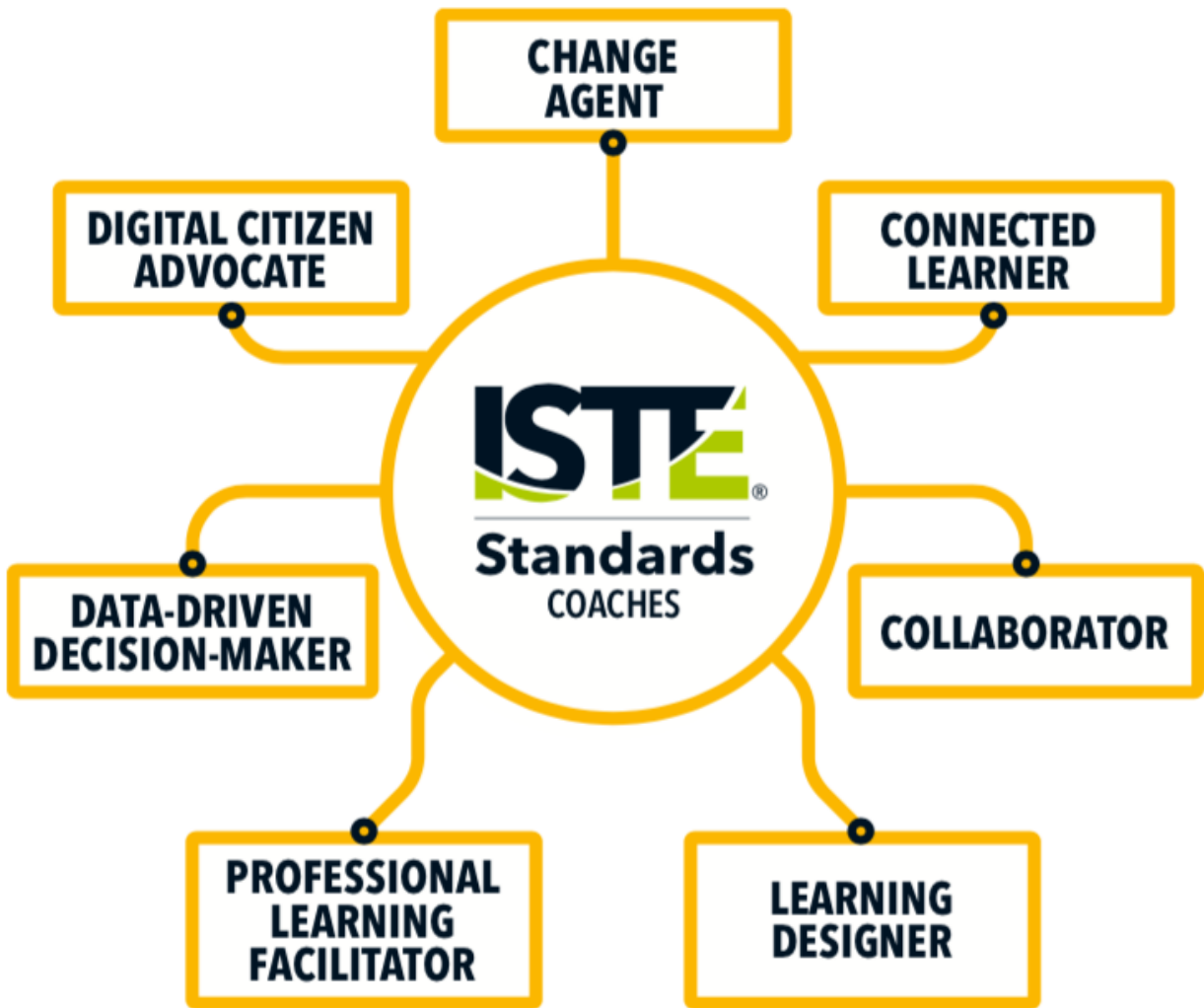
**Standards
COACHES**

COLLABORATOR

**DATA-DRIVEN
DECISION-MAKER**

**PROFESSIONAL
LEARNING
FACILITATOR**

**LEARNING
DESIGNER**



SAMR Model

Impact of Technology on
education

How do you quantify, the money spent on technology is making a difference in the classroom? Has the money spent improved learning in your districts?

Enhancement

Substitution

Technology acts as a direct tool substitute with no functional change.

Augmentation

Technology acts as a direct tool substitute with functional improvements.

Transformation

Modification

Technology allows for significant task redesign.

Redefinition

Technology allows creation of new task, previously inconceivable.

Model by Ruben Puentedura

How this looks in the classroom:

Original Assignment: Read a Shakespeare play in traditional printed format.

- **Substitution:** Read Shakespeare texts online.
- **Augmentation:** Use online dictionaries, study guides, history sites, to supplement reading.
- **Modification:** Use multimedia resources like text, audio, and video tools to jointly construct knowledge, learning, and understanding of a portion of a play, or a character, as a group project.
- **Redefinition:** Answer the Question, “What did the culture of the time have on the writing of Shakespeare’s plays” by using a Concept Mapping tool and constructing a mind map demonstrating key elements through words and images

Integrating Technology Instructional Coaching

Every Student | Every Classroom | Every District

This is how we are committed to connecting all of
Arkansas with Educational Technology

What exactly do Instructional Technology Coaches & Facilitators do, and why do you need them in your schools?



Using technology for
the sake of using
technology isn't
integration.

Key questions for instructional technology integration:

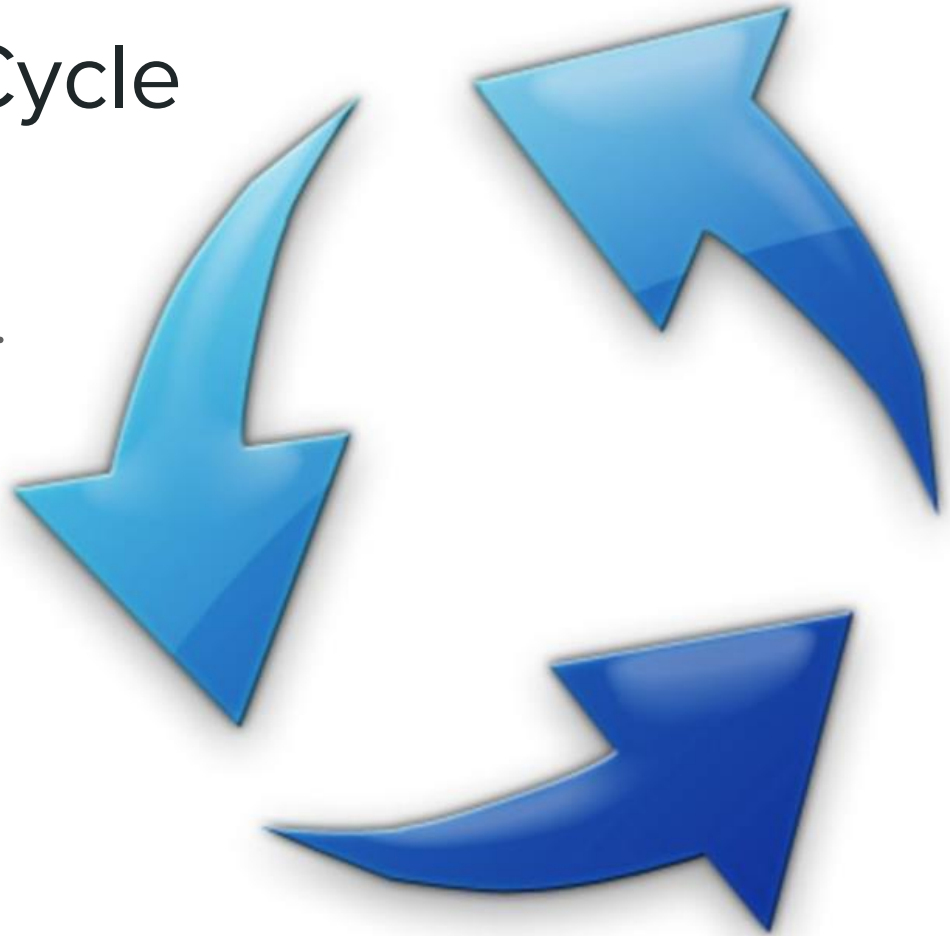
- Why do you want to use this technology here?
- Why hasn't the approach that you've been doing in the past worked?
- How do you hope the technology will change it?
- Can the technology make this idea more relevant to students?
- Can it push the lesson up a notch, or can it enhance things for students by allowing them to do something that they couldn't do without the technology? For example, does the technology allow students to collaborate beyond the classroom walls?
- Is the technology making possible a certain level of transparency for the teacher to assess where students are individually?
- Does the technology provide a platform for students to be creative without overbearing them with gadgets and apps?

The BDA Coaching Cycle

Before: Pre-conference for planning successful instruction w. Individuals or team of teachers

During: Co-teaching, Modeling, Visiting, Note-taking

After: Offering feedback through reflective & non-evaluative conferences



Ultimately, the coach takes the burden of technology off the shoulders of teachers.

Instead, teachers can focus on making meaningful connections, which allows technology to serve in a role as a tool to advance learning within the district.

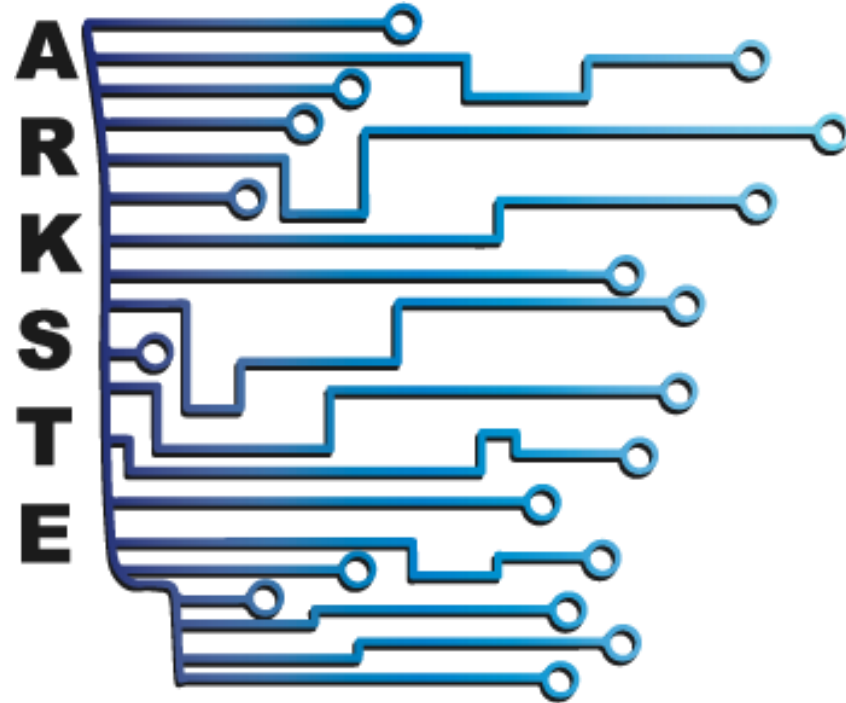
Instructional Technology Coach needs:

- Fairly flexible schedule
 - Able to meet with teachers at THEIR(The teachers) convenience
 - Time to research new technology & plan what was discussed with teachers
 - Find resources for teachers
 - Observe non-evaluatively
- Be a professional development Guru
 - Aid in designing lessons related to tech integration
 - Use informal opportunities to learn teachers needs and integrate into large-scale implementation
 - Offer ideas and implementations to teachers to aid them in their lessons
- Opportunities to work
 - Staff to be on-board with opening up for new ideas and opportunities
 - Student access to work collaboratively within classrooms



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Questions?



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