Office of Digital Teaching & Learning

Strategic Plan 2022-2023

VISION AND MISSION

VISION: The Office of Digital Teaching & Learning is a **conduit** between Local Education Agencies and **technology resources** in support of **digital equity** for K12 in Arizona.

MISSION: The Office of Digital Teaching & Learning serves Local Education Agencies in a **consultative role** by **building a community** of educators and solution experts dedicated to support the vision of achieving digital equity for all students to achieve their full potential.

GOAL

GOAL: By **2025**, build a strong community of educators and solution experts dedicated to ensuring **95%** of K12 households in Arizona have a **device**, adequate **connectivity**, and **skills** so students can achieve their full potential.

Bridge. Connect. Succeed.

Office of Digital Teaching & Learning

ARIZONA DEPARTMENT OF EDUCATION
STRATEGIC PLAN: 2022-2026

Priority #1: Student Equity and Achievement

Priority #2: Educator Recruitment and Retention
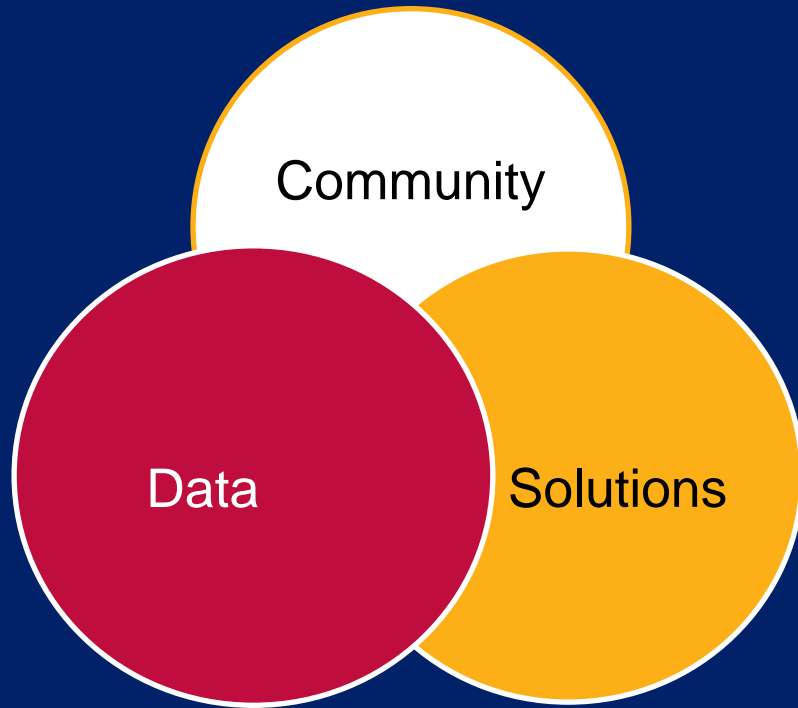
Priority #3: Safe and Healthy Schools

Priority #4: Strategic Funding

Priority #5: Strategic Data Use

Office of Digital Teaching & Learning

OFFICE OF DIGITAL TEACHING AND LEARNING

STRATEGIC PLAN: 2022-2023

Community

Data

Solutions

1. Build **Community** with Local Education Agencies and solution experts

2. Gather **Data** / Measure Progress

3. Facilitate Technology **Solutions and Resources**

Student Equity and Achievement
Educator Retention
Safe Schools
Strategic Funding
Strategic Data Use

Office of Digital Teaching & Learning

STRATEGY

COMMUNITY

- Engaging Local Education Agencies and solution experts in Communities of Practice

- Facilitating knowledge sharing

- Facilitating training opportunities for Local Education Agencies, families and students

- Economies of Scale

DATA COLLECTION AND ANALYSIS

- Identifying and tracking metrics of success: Key Performance Indicators

- Developing evaluation instruments for Local Education Agencies to use for their internal evaluation practices

- Continuous evaluation of opportunities that drive solutions

SOLUTIONS

- Digital Devices

- Connectivity

- Digital Skills

- Data and Security

- Policies and Procedures

- Classroom Innovation

- Digital Transformation

Office of Digital Teaching & Learning

DIGITAL DEVICES

Data Analysis and Findings:

60% of respondents lack a refresh plan for instructional devices

87% is the average of student and teacher devices that are no longer covered under manufacturers' warranty

71% of respondents lack a refresh plan for student devices

89% is the average of student devices that are not fully protected from losses or theft

66% of respondents have a one-to-one program

68% of respondents use Chromebooks for their student allotted devices

Potential Solutions:

Statewide contract negotiation for devices at lower costs. *Device as a Service.*

Proof of Concept of white glove services, refresh plans, support. *Device as a Service.*

Distribution of Standards for "How to Develop a Device Replace Plan"

Shared support services. Device protection from damages, losses or theft

Student Equity and Achievement Strategic Funding

CONNECTIVITY

Data Analysis and Findings:

23% of Arizona K12 students lack broadband at home (source: Education Superhighways)

64% respondents do not currently collect student connectivity data and therefore do not have ways of identifying connectivity needs at home

75% Some Local Education Agencies (in rural areas) estimate that up to 75% of their students lack connectivity at home

Potential Solutions:

Contract negotiations with vendors / economies of scale

Broadband and Final Mile projects

E-rate Optimization

Alternative connectivity solutions

Student Equity and Achievement Strategic Funding

DIGITAL SKILLS

Data Analysis and Findings:

31% of all respondents indicated that they had little or no training for instructional staff in digital teaching and learning.

74% of respondents need to improve their level of digital support to students with special needs

30% of respondents have not provided training on digital citizenship to their students

How Curriculum Staff assess their Instructors' knowledge of Technology and Computer Science Standards:		
	Comp. Science Standards	Education Tech Standards
Very familiar	**3.88%**	**2.91%**
Somewhat familiar	**42 .72%**	**54.37%**
Not at all familiar	**53.40%**	**42.72%**

Potential Solutions:

Training Sessions and Webinars in:
- o Digital Citizenship
- o Computer Science Standards
- o Education Tech Standards
- o Others

State Support Resources

Communities of Practice

Knowledge Repository

Student Equity and Achievement Educator Retention

DATA AND SECURITY

Data Analysis and Findings:

28% of respondents have never risk assessed or were unsure when their last assessment was

66% of respondents have not conducted a recent professional risk assessment

11% of respondents need help to implement allow lists / deny lists

26% of respondents lack any measures to reinforce CIPA compliance

31% of respondents lack Data and Security training for their teachers and staff

59% of respondents that offer data and security training to their teachers and staff do so at a cost. Some of them find the cost to be too high.

Potential Solutions:

Security standards. CIPA compliance

Solutions for security at home

Shared security services (risk assessments, protocols)

Contract negotiations for data privacy and security solutions. Economies of scale

Safe Schools
Strategic Funding

POLICIES & PROCEDURES

Data Analysis and Findings:

Potential Solutions:

36% of respondents have <u>not</u> fully adopted and implemented board-approved policies for digital learning

20% of respondents have <u>not</u> started the work on drafting or documented policies for digital learning

Build a library of policies, procedures and common practices

Monthly Seminars with pertinent topics, presented by guest expert speakers to discuss relevant subjects

Communities of Practice: focus on the improvement of practice with members who share expertise and passion for a designated topic

Safe Schools
Educator Retention

CLASSROOM INNOVATION

Data Analysis and Findings:

20% respondents do not have digital content available for classroom and home use

17% respondents lack board approved policies for the selection of digital content

60% respondents lack a process in place to ensure digital content aligns to state standards

33% respondents do use Extended Reality in the classroom

Potential Solutions:

State-wide and localized negotiations for the acquisition of digital content and classroom technology at lower cost

Communities of Practice or Knowledge Groups to connect educators to resources and area experts in digital teaching and learning

Monthly Seminars with pertinent topics, presented by guest expert speakers to discuss relevant subjects

Innovation: Virtual Reality / Extended Reality, Learning Management Systems. Learning Object Repository, Shared Content.

**Student Equity and Achievement
Strategic Funding
Educator Retention**

DIGITAL TRANSFORMATION

Data Analysis and Findings:

It would "be beneficial just to know how other districts manage [their devices and digital learning]."

"We are dealing with [challenges in students'] behavior and learning loss. After we get this under control, we will focus more on technology integration."

"Digital learning is a result of COVID and when COVID goes away we will go back to normal."

Potential Solutions:

Communities of Practice

Digital Transformation
- ADE Cloud Innovation Center to engage local education agencies
- Extended Reality
- Enterprise Solutions including Learning Management Systems and Learning Object Repositories
- Innovation across all workstreams

Transformational practices

Student Equity and Achievement
Strategic Funding
Educator Retention

Office of Digital Teaching & Learning

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