



# AZSBA Annual Conference

## *Amazing Possibilities*

Arizona Department of Education  
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December 16, 2011



# ADE IT Modernization Effort Updates



- SAIS Phases I, II, III, IV Governor-funded infrastructure update complete Oct 2011 (\$1.0M project)
- System available on July 11, 2011
  - **First time in 10 yrs**
- 40-day aggregation for FY12 completed on schedule
  - **First time in 10 yrs**
- 600+ customer requests/bug fixes implemented in 10 months
  - **More than the last 10 years**
- Kicked off Great Plains ADE financial system replacement
- Kicked off AELAS Program



# ADE IT Modernization Effort Roadmap – AELAS Year 1



Aug 2011

- Kick Off Program
- BOE
- Data Governance Committee

Nov 2011

- Start Business Case Development
- Define Standard ADE Architecture
- Gather AELAS Requirements

- Interview Small, Medium, Large School Districts
- Continue Require Build
- Prototype Architecture

Sept 2012

- Deliver Business Case to BOE
- Delivery Completed Requirements to build RFPs
- Deliver ADE Standard Architecture Blue Print

## AELAS Vision

- ***Vendor Agnostic*** Ed services deployed to districts that wish to subscribe (ex. SIS, assessment, and back office applications)
- ***Pay For Service*** model
- **Allows for PARRC assessment**
- **Analytics deployed to teachers/administrators**



# ADE IT Modernization Effort

## AELAS: Education MIS Roadmap



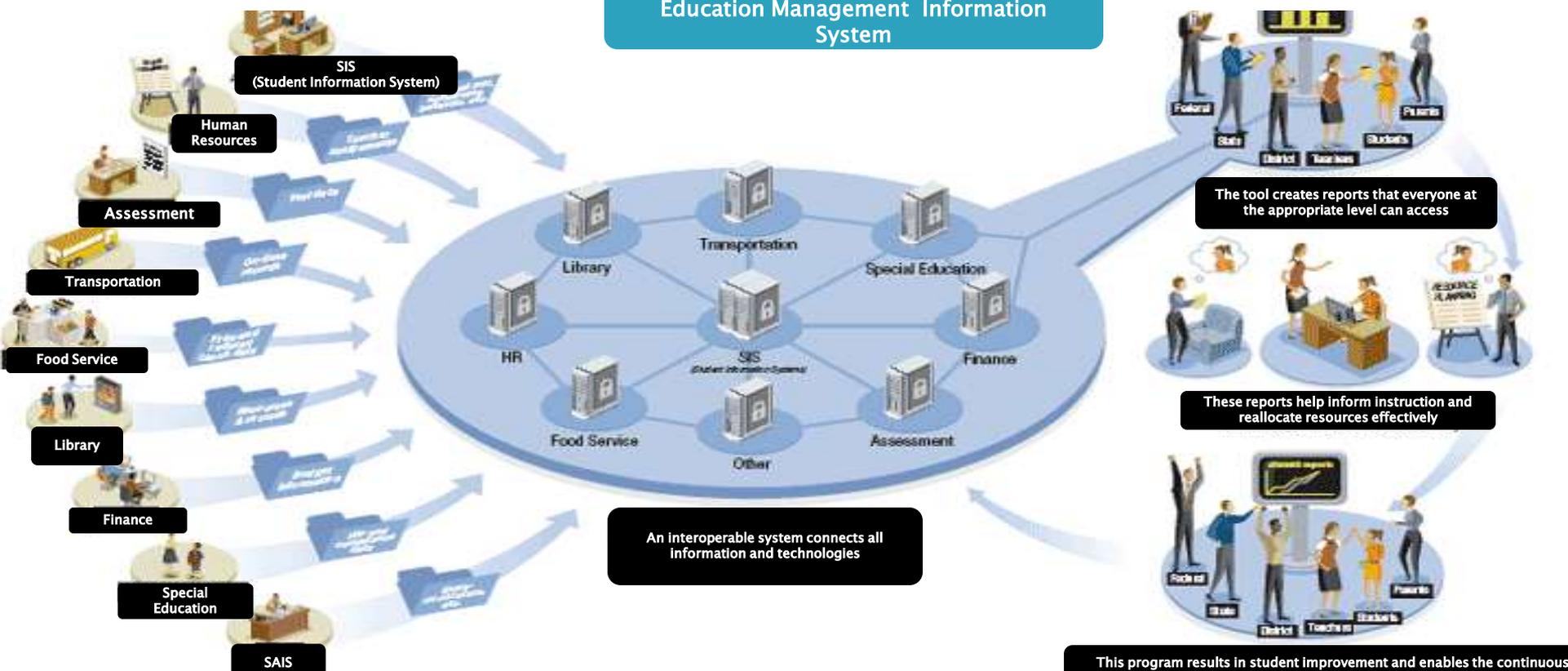
- Year 1**
- "Map the Mess"
  - Define Services
  - Develop Requirements
  - Business Case
  - Prepare RFP
  - Statewide Student/Teacher Identifier recommendation
  - Establish Data Governance Commission

- Year 2**
- Prepare Service RFP
  - Select Vendors to Build Platform
  - Support Services
  - Pilot Test District Selected

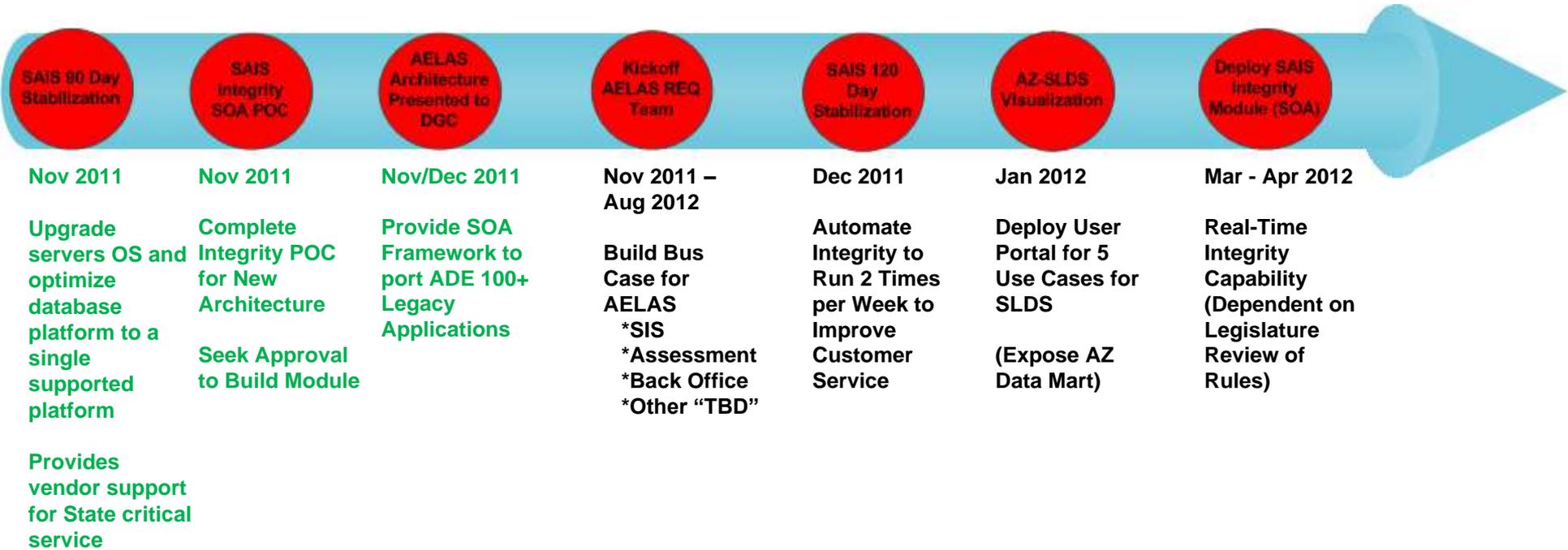
- Year 3**
- Design
  - Implementation
  - Begin State Implementation
  - Training Centers

- Year 4**
- Continue Rollout

### Proposed Education Management Information System



# ADE IT Modernization Effort IT Roadmap – Updates





# Raising The BAR

Imperatives

Standards

New Systems



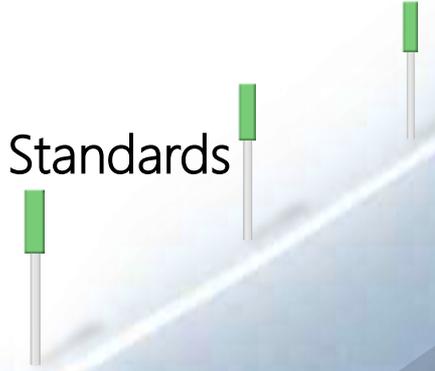
**If education is the foundation of society, then technology is quickly becoming the mortar which binds and strengthens that foundation.**



# Road to Student Success



Standards



Transformational Leadership

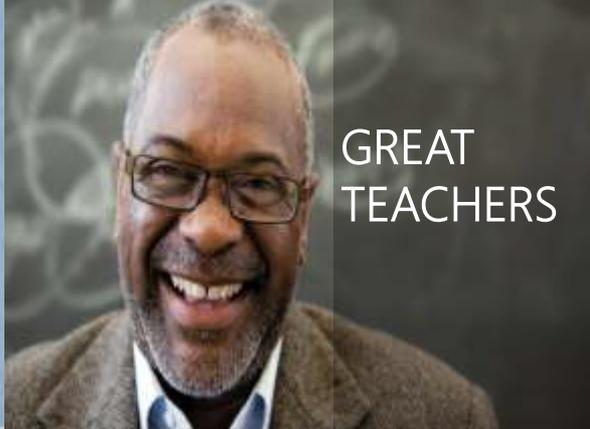
Professional Development



EFFECTIVE INSTITUTIONS



Shared Vision



GREAT TEACHERS

# People First: *Technology is a supporting component of the system*

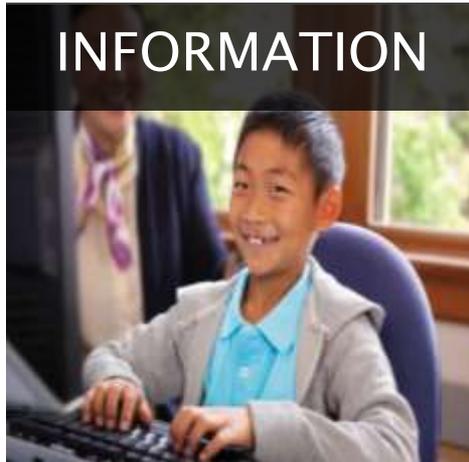
A State-wide *system* that uses *information* to purposefully orchestrate the *resources* of the all districts, LEA's to focus on progressing each student along a personalized success plan aligned with locally-adopted *standards*.

## SYSTEM



People  
Process  
Technology

## INFORMATION



Identity  
Content  
Data  
Analytics

## RESOURCES



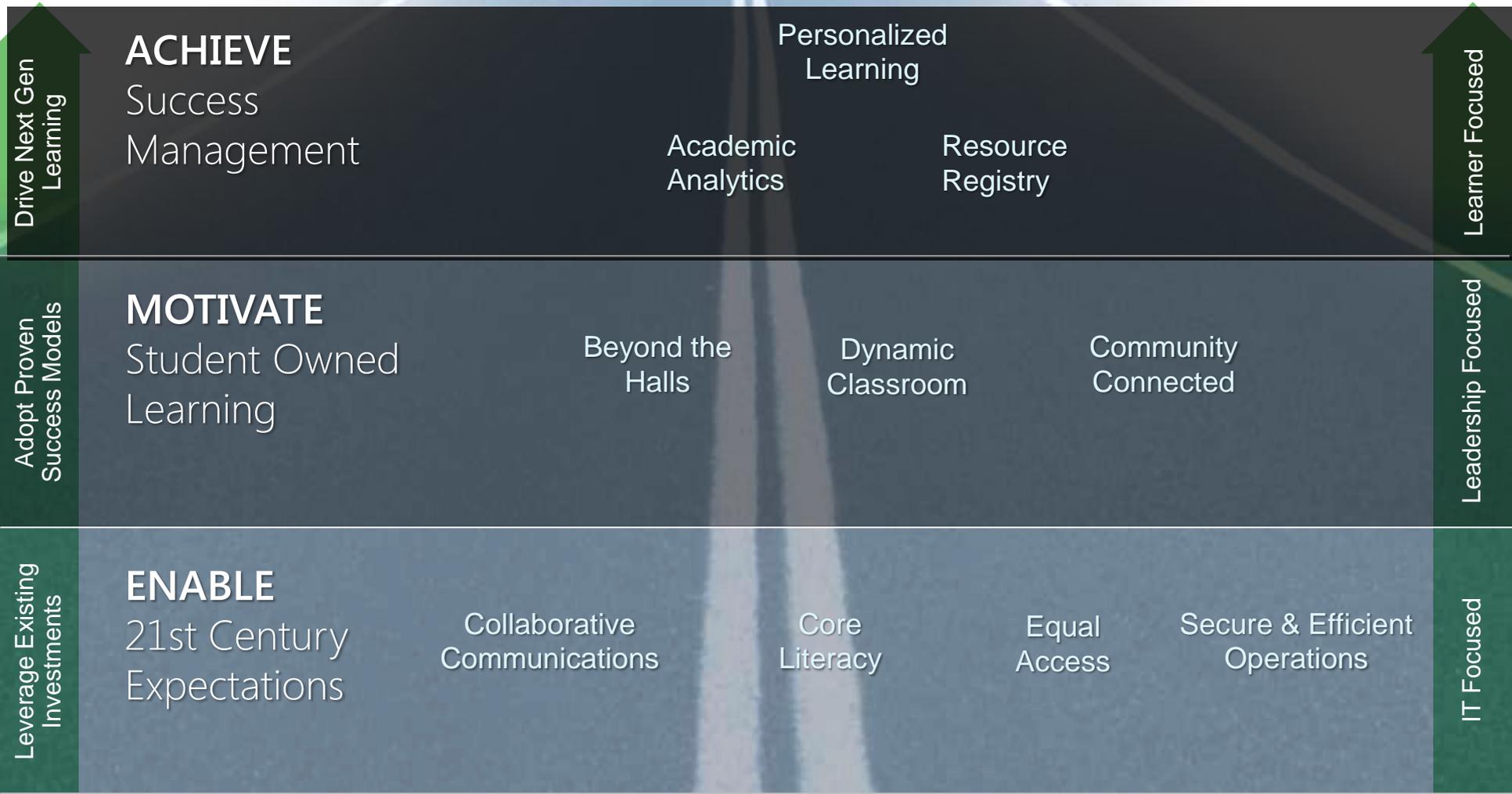
People  
Technology  
Applications  
Facilities

## STANDARDS



National  
State  
Local

# The Pathway to Next-Generation



# Student 360

Next Generation Maturity Model



Level 1



Level 2



Level 3



Level 4



▶ Predictive Analytics

▶ Achievement Tracking

▶ Personalized Learning Plans

▶ Adaptive Content

▶ Longitudinal Data Warehouse

▶ Educator Collaboration

▶ Student Profile & Progress Tracking

▶ User Ratings & Approval

▶ Academic Analyzer

▶ Community Engagement

▶ Student Engagement

▶ Content Pacing Plans

▶ Data Integration

▶ Reporting

▶ Identity Management

▶ Intervention Case Management

▶ Entity Relationships

▶ Competency Definitions

▶ Content mapped to Standards

Data Analytics



Information Access



Student Success Management



Standards & Curriculum



# ADE IT Modernization Effort Maturity Levels Defined



Many Arizona districts have higher Maturity Levels. From a State of Arizona view, we are driving to personalize opportunities for all students and districts.

Without the RIGHT technology solutions with State-owned data, the journey is improbable!

# ADE IT Modernization Effort

## Where is Arizona Right Now?



We are designing the frame work to ensure success tomorrow!

1

Integrated

2

Connected

3

Engaged

4

Personalized

Identity, content, data  
and process

Community-wide access

Everyone tracking to  
same the goals

Next Generation  
Learning

**Arizona, through the ADE with sponsorship from the Governor, House, Senate and Superintendent, has undertaken a major modernization effort...**



# ADE IT Statewide Data Management

**AZ-SLDS and what that means to you**



# Goal of Statewide Data Management System



# Goal of Statewide Data Management System



# ADE IT: *Amazing Possibilities* Teachers



- ▶ Centralized access to individual student records and curricula
- ▶ Test scores compared to others in school/district (longitudinal data)
- ▶ Teaching tools and progress reports from other schools and districts
- ▶ Students “pick up where they left off” so there is no catch up or redundant instruction
- ▶ Positively impact student learning and growth
- ▶ Allow for proactive early intervention based on individual student need

**End Result:** Teachers will be able to execute consistent learning plans using real-time data



# ADE IT: *Amazing Possibilities* Administrators



- ▶ Office managers, principals and specialists have access to a student's **COMPLETE** record
- ▶ Saves time, money and resources
  - No more chasing down student data from other LEAs
  - Reduces redundant processes
- ▶ Support teacher and principal evaluation
- ▶ Evaluate program and instructional effectiveness

**End Result:** School administrators will have all the necessary information to evaluate the effectiveness of their school's students, teachers and programs



# ADE IT: *Amazing Possibilities* Policy Makers



- ▶ Provide real-time actionable data in support of school and district accountability
- ▶ Communicate timely, relevant data to stakeholders
- ▶ Analysis of key data to make fact-driven educational decisions
- ▶ Knowledge of how schools in district measure up to others in district, region and statewide

**End Result:** Policy makers will have important data to consider when deliberating education policies





# Thank you

For a full-size version, please visit:

[www.azed.gov/information-technology/it/presentations/](http://www.azed.gov/information-technology/it/presentations/)

