

# Utah Digital Teaching and Learning

## Early Intervention Software Program

Innovating and Transforming  
Classrooms

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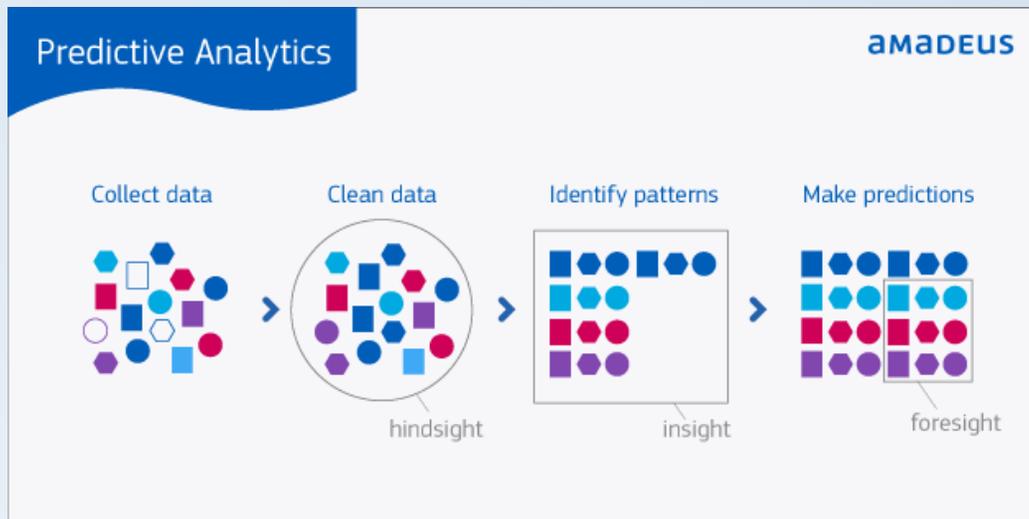


# Utah Early Intervention Software Program– Innovating Education

- Historical Timeline of K-3 Early Intervention Software Program (EISP)
- Implementation Update
- Challenges and Innovations
- Utah Provider Partner Reflections
- Discussion



- **Predictive analytics** is the use of data, statistical algorithms and machine learning techniques to identify the likelihood of future outcomes based on historical data.



How does  
this change  
education?

Predictive Analytics

# Opportunities with K-12 Digital and Personalized Learning

- Scaffolding learning experiences that allow for use of extensive digital information
- Utilizing formative assessment to rapidly inform instructional strategies and interventions
- Personalizing learning to allow for increased individual instruction
- Differentiating lesson opportunities within classroom constraints



# A Brief History of Utah Education Technology

2012



The Utah State Legislature funded the Early Intervention Software Program (“EISP”) to support the growth of K-3 students’ literacy. For the 2015-2016 program year, schools in Utah selected from among eight computer-based literacy programs which provide individualized instruction and are designed to supplement students’ classroom learning. Current funding at \$7.6 million dollars.

- Schools apply directly for the licenses, and can select from up to two vendors for K-3 literacy software
- Focus on adaptive technologies that are used at fidelity for all K-1 students and intervention students in grades 2-3
- Providers have increased implementation supports such as dashboards, data dives, and professional learning on incorporation for instruction
- Evaluations conducted each year by external evaluator, and outcomes shared with community as part of reapplication process

## Current EISP Providers for 2017-18

- Imagine Learning
- Istation
- Lexia Reading
- myON
- Pearson Successmaker
- Reading Plus
- Waterford



# Student Outcomes by Vendor by Grade

Vendor	Kindergarten						1st Grade				2nd Grade		3rd Grade		
	FSF	LNf	PSF	NWF-CLS	NWF-WWR	Comp	NWF-CLS	NWF-WWR	DORF	Comp	DORF	Comp	DORF	DAZE	Comp
Imagine Learning	.31	.38	.43	.30	.23	.52	.09	.10			.18	.33			
i-Ready															
Istation	.65	.29	.95			1.12	.45	.34							
Lexia	.09	.30	.28	.31	.15	.43	.22	.16		.11					
MyOn		.36	.50	.51		.37									
Reading Plus													.53		
SuccessMaker	.22		.41								.29	.52			
Waterford	.15	.25	.30	.24		.42		.10							

\*Reading Plus is only used in grades 2-3

2016-17 School Year Data Coming October 2017

# Fidelity Matters

Table 1. Program-wide Treatment and Control Group Composite Score Means and Effect Sizes, by Level of Use

Usage Group	Kindergarten			1 <sup>st</sup> Grade			2 <sup>nd</sup> Grade			3 <sup>rd</sup> Grade		
	Tr.	Cntrl	ES	Tr.	Cntrl	ES	Tr.	Cntrl	ES	Tr.	Cntrl	ES
<b>Intent to Treat</b> (lowest use)	N=8,272			N=11,709			N=2,874			N=2,521		
	148	140	.09	188	195	-.05	-	-	-	-	-	-
<b>Relaxed Optimal</b>	N=2,785			N=5,486			N=1,137			N=781		
	154	139	.21	-	-	-	161	154	.09	-	-	-
<b>Optimal</b> (highest use)	N=441			N=1,102			N=159			N=95		
	156	137	.36	-	-	-	161	135	.32	-	-	-

2016-17 School Year Data Coming October 2017

# Early Reading Intervention Software Program - 2017

## Challenges

- Concerns about fidelity by teachers and schools
- Implementation challenges with technology and comprehensive support
- Best practices in software adoption and implementation
- Loss of licenses after two years of not meeting software dosage recommendation

## Innovations

- Software provider dashboards, inclusion of fidelity requirements in application
- Program leadership moved to Digital Teaching and Learning, Literacy and Technology LEA Leaders supporting school applications
- Provider Meetings to support Utah's partners with collaboration and relevant updates in K-12
- Probation program in 2018-19 for schools with additional implementation supports

# Digital Teaching and Learning

2016



The Digital Teaching and Learning Qualifying Grant Program for Local Education Agencies (LEAs) was created (H.B. 277). LEAs are required to create a 3-year plan for Digital Teaching and Learning to be approved by USBE to qualify for the funds. Current funding at \$10 million to support 39/41 districts, and 26 charter schools.

UPSTART



2008

UPSTART, 53A-1a-1001 (S.B. 2) The legislature initiates a pilot to fund an in-home, technology-delivered kindergarten readiness program designed to give Utah four-year-olds an individualized reading, mathematics, and science curriculum with a focus on reading. The UPSTART Program is administered by the Waterford Institute.

K-3 Early Reading Software



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Opportunities for Competency-based Learning, collaboration with assistive technologies in special education, etc.

# Benefits to Collaboration for Digital Teaching and Learning

- Reduction of Redundancy
- Single point of contact for LEAs
- Opportunities to leverage investments and provide coherent trainings for digital and personalized learning efforts
- Transforming Systems
- Personalized Goal Sets for Each LEA



# https://padlet.com/syoungutah/UTdigitalproviders

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## Utah Digital Providers

Please take a moment to post your current successes in working with Utah LEAs. February 2017

REMAKE SHARE

### Lexia Learning - Canyon Grove Academy Success Story

Sheri Ebert, principal at Canyon Grove Academy has demonstrated a genuine commitment to improving student achievement through the use of Lexia Reading Core5. Sheri has participated in ongoing professional development for her team, checks school data weekly, and holds teachers accountable for meeting usage requirements. When students fall short of their prescribed number of weekly minutes, Sheri requires the teacher to submit a plan illustrating how they will make changes that will allow students to meet their usage recommendation on a regular basis.

### Waterford Institute

A few examples of teachers/districts who have original ideas to encourage fidelity in their school:

A kindergarten teacher developed a "Winning with Waterford" chart to motivate her students. She keeps track of her students' Waterford level, and for every 40 points her students progress she gives them a stamp and a chance to get a prize out of her treasure box.

A computer lab teacher at knows usage results in gains. That is why she hosts Waterford make-up sessions for absent student's everyday!

One school hosted a family literacy night and invited Waterford to come and teach parents how to use

### Pearson - Successmaker

Every School using Successmaker has shown significant student achievement and growth across the grade level curriculum. Successmaker has proven most effective when there is principal and teacher buy-in at the school/teacher level. District and school-level trainings have supported useage to fidelity. Teachers time and attention to all the programs they teach, is vital for student success. Successmaker professional development has increased the importance of using this intervention tool to fidelity. More support from the state, that pays for PD, would increase even greater fidelity to use.

### Lexia Learning - Midas Creek Elementary School, Jordan School District

### Reading Plus

An Achievement Coach in Canyons District reported the following: *"We have just finished taking the Spring SRI test and our students in all proficiency levels grew a LOT this year. Many students grew hundreds of points. As I look at the growth I am sure much of it is a result of Reading Plus."* This school focused on using the program with good fidelity and regularly received the Professional Development that Reading Plus offers.

### Waterford Institute

Districts and schools using Waterford show the most significant student gains and highest fidelity when there is a combination of personalized professional development services

### Imagine Learning

Some of our best fidelity has come when there is support from a district level reading specialist which is also passed down to reading coaches at a school level. A reading coach shared with me that they had a 19% increase in their Dibels scores for their kindergarten teachers. She shared this at a district meeting and now other schools want to get more students on the program.

### Edivate

We have success when we meet with principals and review the grant requirements and the resources we have available. When principals make decisions on how they will communicate to their teachers and allocate designated time within

### myON

Schools explain that students using myON show the most significant gains in Lexile scores and other assessments when principals and teachers are deeply engaged. They describe the effectiveness of early and follow-up professional development, availability of devices, as well as parental and community involvement. One administrator expressed the value of myON for student engagement, "We love the rich and diverse collection of books myON gives students access to with the engagements and ease of a digital connection." A coach in Canyons School District sees a whole other level of engagement when teachers utilize myON writing tools, "myON allows you to create projects with the books, graphic organizers, and writing components." myON provides

Imagine Learning  
He have a large school in Northern



# What questions do you have?

Utah State Board of Education  
Points of Contact

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