

AZ: Transforming Education Through Technology (TETT)

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Introduction

Background:



The current situation in Arizona:

The number of people
needing adult education



Expectations placed on
adult education



Resources directed
toward adult education



***We cannot continue doing
things the same way.***

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Why TETT?

Purpose:

- Increase **capacity** of existing AE system
- **Accelerate** learning
- Foster **independent** learning

Maintain high outcomes

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What does TETT look like?

Traditional Class Schedule

Face-to-Face Teacher-Facilitated Learning <i>(teacher time = 6 hrs/wk)</i>	Tues	Thurs
	5:00 – 8:00 PM	
	20 seats for 20 students	

Transformed Class Schedule

TETT

Face-to-Face Teacher-Facilitated Learning <i>(teacher time = 6 hrs/wk)</i>	Block A	Block B	Block C
	Tues	Wed	Thur
	9-11 AM	1-3 PM	6-8 PM
	20 seats	20 seats	20 seats
Each student attends only one block per week serving approximately 60 students			
Online Instruction for Independent Learning <i>(student time = 600+ hrs/wk)</i>	Available 24/7		
	60 students		
	Each student works independently (10+ hrs/wk) using the online curriculum for instruction		

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TETT Components:

- **One-to-one model**- *students are loaned a device (netbook or laptop) and are taught how to use it*
- **Limited face-to-face time** *with an emphasis on **Independent Learning***
- **Online resources**- *ABE/ASE students use **PLATO**; ESL students use **USA Learns**; PLUS additional online tools and resources*

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The Pilots:

Programs	Teachers	Cohort One Jan 2012 – Jun 2012	Cohort Two Jul 2012 – Dec 2012	Cohort Three Jan 2013 – Jun 2013
Program A	Teacher 1	2 classes	4 classes	4 classes
	Teacher 2	2 classes	2 classes	2 classes
Program B	Teacher 1	2 classes	3 classes	3 classes
Program C	Teacher 1	1 class	1 class	2 class

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TETT Data Collection:

Attendance:

- Number of enrolled learners
- Attendance hours
- Weeks in program

Academic Outcomes:

- Pre/Post TABE scale scores
- Percent of Educational Gains
- Percent of GEDs achieved

Cost:

- Paid teacher time

Additional Data:

- Teacher surveys
- Student surveys
- Summary reports
- Anecdotal observations
- Classroom observations

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Cohort One Results:

Class	F2F Offered	Paid Prep Time	# Enrolled	Comments
A-1	3 hours/week for 25 weeks	2 hours/week	29	TETT implemented
A-2	3 hours/week for 25 weeks	2 hours/week	21	TETT implemented
A-3	3 hours/week for 25 weeks	2 hours/week	17	Classes 3 & 4: Teacher did not implement TETT instruction
A-4	3 hours/week for 25 weeks	2 hours/week	18	
B-5	2.5 hours/week for 16 weeks	10 hours/week	8	TETT implemented
B-6	2.5 hours/week for 16 weeks	10 hours/week	9	TETT implemented
C-7	2 hours/week for 16 weeks	6 hours/week	10	Class 7: One-to-one model not implemented

Excluded

Excluded

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Cohort One Results:

Class	# Enrolled	Ed Gains	GEDs	Mean F2F Hours	Mean Independent Learning Hours
A-1	29	16 (55%)	7	18.1	55.2
A-2	21	16 (76%)	3	25.8	90.4
B-5	8	5 (63%)	1	22.4	33.7
B-6	8	6 (75%)	0	26.6	38.1
TOTAL	66	43 (65%)	11	22.1	61.7

Lessons Learned (so far)

- Logistical Barriers

“You want us to give students a computer????”

- Student Skills

“Most of my students are not ready to be independent learners!”


- Teachers Need More Training and Prep Time

“With limited F2F time, ‘winging it’ is not an option!”

Next Steps

- **Implement Cohort Three: January 2013**
- **Analyze Cohort Two data and identify matching classes to compare TETT to traditional and DL: January – February 2013**
- **Cohort Three ends: June 30, 2013**
- **Analyze Cohort Three data and identify matching classes to compare TETT to traditional and DL: July – August 2013**
- **Final TETT Report: December 2013**

Quotes from TETT Students...

The image features the silhouettes of three people (two men and one woman) in the bottom left corner, looking towards the right. They are positioned against a blue background. Two speech bubbles originate from the top of their heads, containing student quotes.

“Every day I discover the wonderful that is Google. It has been very useful for my work too...”

“To use the computer for search and to learn that there is an open world on the Internet where [it] is easy to access and learn.”

Quote from a TETT Teacher...

“When I saw a webinar about the new computerized 2014 GED Test, I didn’t feel as scared for my TETT students as I do for my regular GED students.”



Questions?

For more information, please contact:

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