MEMORANDUM

TO:

The Honorable Members of the State Board of Education

FROM:

Janet C. Barresi

DATE:

December 18, 2014

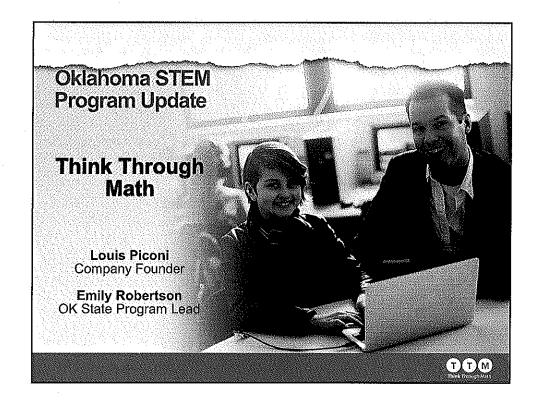
SUBJECT:

Think Through Math Program Update

The Think Through Math presentation will give a comprehensive program update for the first semester of the 2014-15 school year. The focus will be on current active enrollment numbers, implementation/progress metrics, OCCT testing data correlation to TTM usage, student outcomes/incentives/contests, teacher professional development, and the overall state investment.

JCB/JD

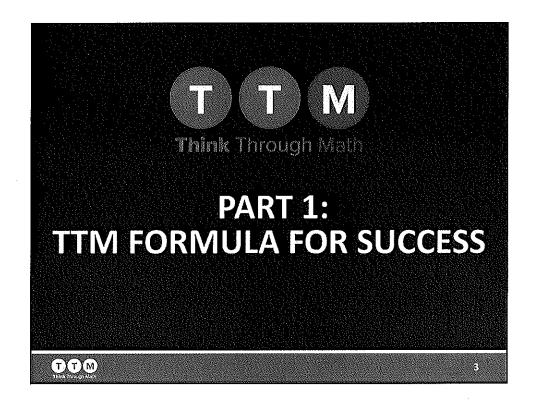
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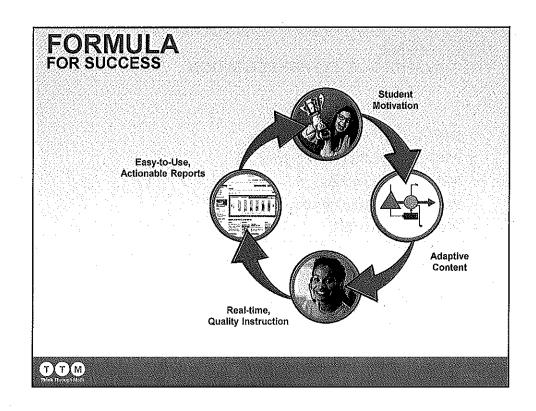


AGENDA TTM OKLAHOMA STEM PRESENTATION

- o PART 1: TTM Formula for Success
- o PART 2: STEM Program Metrics
- o PART 3: META Results
- o PART 4: Site Based Results
- o PART 5: Teacher Talk

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LIVE TEACHERS ONLINE

"I can raise my hand anytime."

DAY	E
Monday–Thursday 6:30	3 a.m. – 11:00 p.m.
Friday 6:30	0 a.m.— 9:00 p.m.
Saturday 10:0	00 a.m.– 2:00 p.m.
Sunday 5:00) p.m.– 9:00 p.m.

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SHORT-TERM MOTIVATION
Team or Individual Models

THINK Nation

October

November

December

January

HOT SUMMER & COOL PRIZES!



















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CUSTOMIZED FOR OKLAHOMA

SY2014-2015 Professional Development

Regional Training Sessions - 29 Site Training Sessions - 267 Site Coaching Visits - 50 Site Administrative Visits - 51

Motivation Programs



Red River Rumble – A state v. state competition designed to motivate students to do extra math as part of teams that compete for state pride.

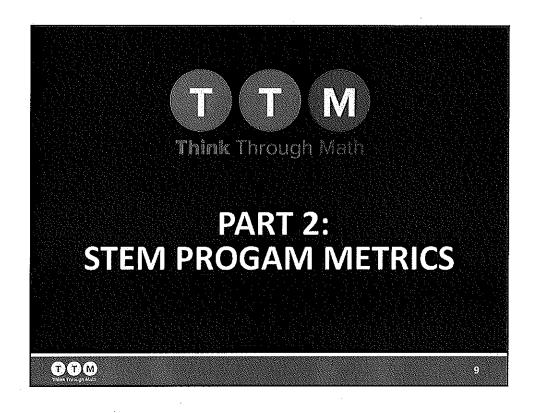


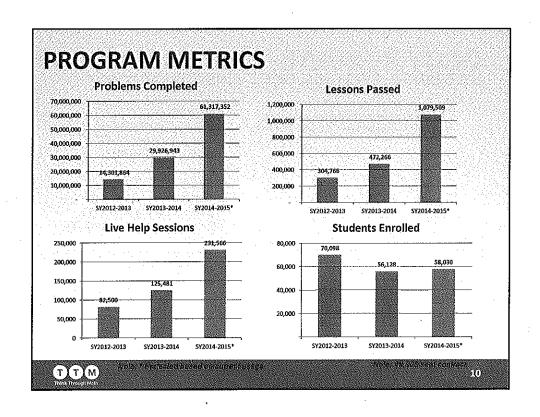
Oklahoma Math Cup – A school v. school competition designed to recognize the top classes and schools in OK.

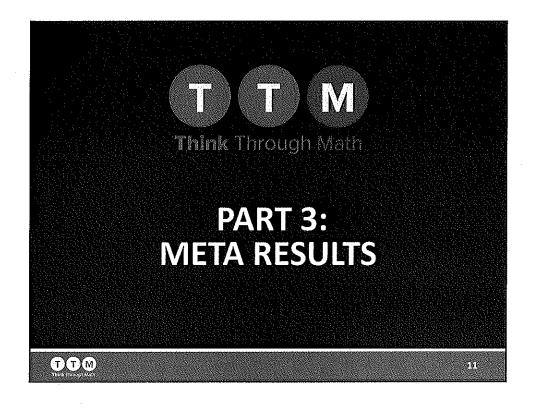


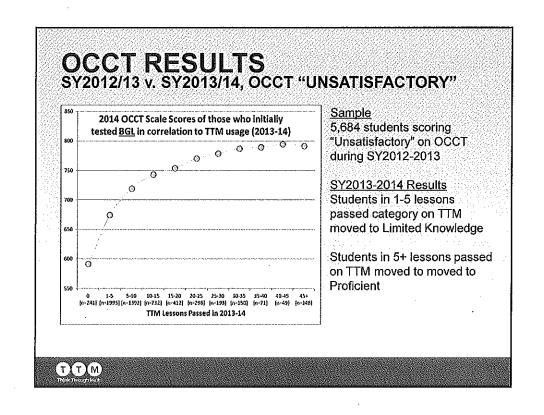
Special Opportunities – Students can do math and donate their TTM points to charities. For example, on Veterans Day 2014, OK students were part of a group that did extra math to donate \$9,870 to The Wounded Warrior Project.



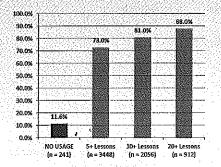








OCCT RESULTS WHAT THE RESULTS MEAN



Sample
5,684 students scoring
"Unsatisfactory" on OCCT during
SY2012-2013

Results

Of the sample students that did NOT actively use TTM in SY2013-2014, the OCCT Proficiency rate was 11.6%. This is our control group.

Students that used TTM and passed 5 or more lessons scored OCCT Proficient at a rate of **73%**.

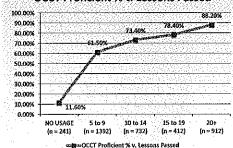
Students that used TTM and passed 10 or more lessons scored OCCT Proficient at a rate of 81%.

Students that used TTM and passed 20 or more lessons scored OCCT Proficient at a rate of 88%.

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OCCT RESULTS WHAT THE RESULTS MEAN

OCCT Proficient % v. Lessons Passed



<u>Sample</u>

5,684 students scoring
"Unsatisfactory" on OCCT during
SY2012-2013

Results

Of the sample students that did NOT actively use TTM in SY2013-2014, the OCCT Proficiency rate was 11.6%

Students that used TTM and passed 5 to 9 lessons scored OCCT Proficient at a rate of 61.5%

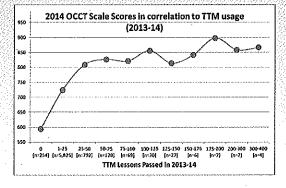
Students that used TTM and passed 10 to 14 lessons scored OCCT Proficient at a rate of 73.4%

Students that used TTM and passed 15 to 19 lessons scored OCCT Proficient at a rate of 78.4%

Students that used TTM and passed 20+ lessons scored OCCT Proficient at a rate of 88.2%

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OCCT RESULTS SY2012/13 v. SY2013/14, OCCT GENERAL POPULATION



7,191 students taking OCCT in SY2012-2013

SY2013-2014 Results

Students passing 25 lessons on TTM averaged a score in the Advanced range

Students passing up to 25 lessons averaged a score in the proficient range

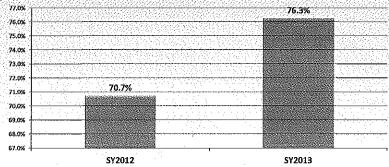
Non-users averaged a score in the Not Satisfactory range

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OKLAHOMA OCCT SAMPLE SY2012-2013

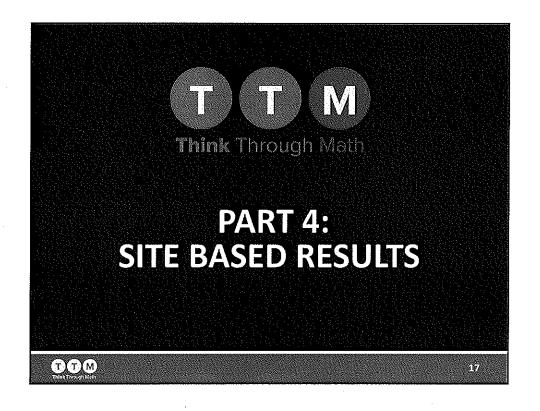
N = 820, 5 SCHOOLS w/ STUDENTS IN GRADES 3-8

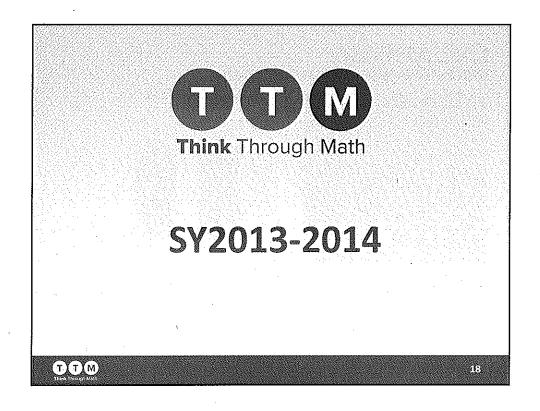
TTM User OCCT Passing Rate Change SY2012 to SY2013



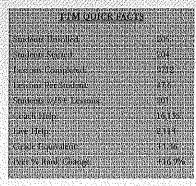
Overall, results were significantly, positive with the percentage of "Proficient" students increasing by 5.52%. In other words, 70.7% of the sample students passed the OCCT for their respective grade level in 2012 and 76,3% of those same students passed in 2013 after using Think Through Math.

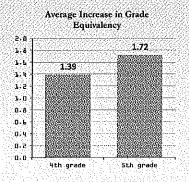
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OKLAHOMAChisolm Elementary 4th and 5th Grade



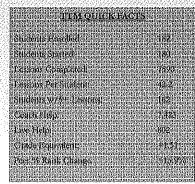


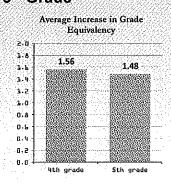
"We love how Think Through Math is self paced, challenging, and offers incentives that are real world related. Even though this is supplemental to the regular classroom material, it is well worth the time to implement."

- Lisa Detrixhe, Title 1 Teacher, Chisholm Elementary



OKLAHOMAMarlow Elementary 4th and 5th Grade

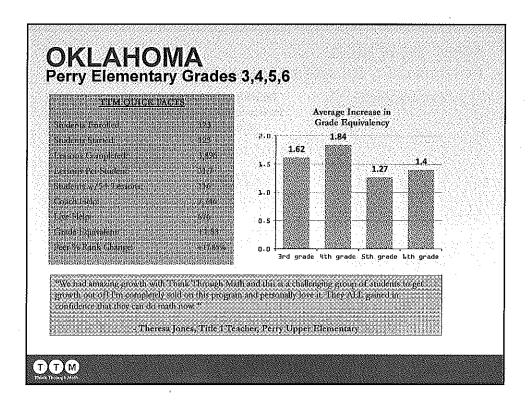


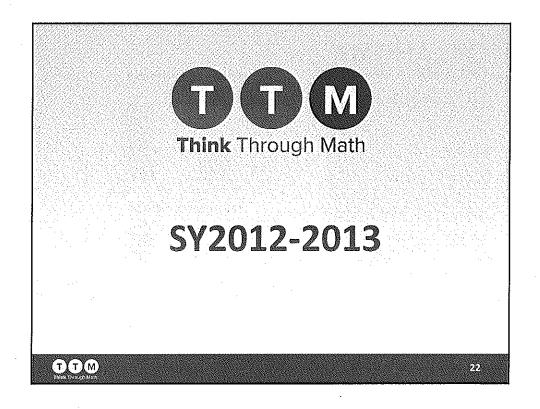


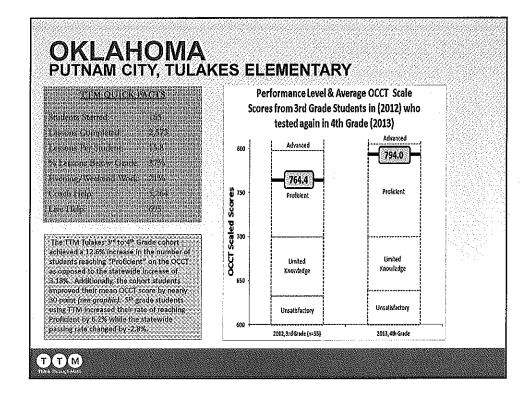
"Tjust wanted to thank you soood truch for the Think Through Math program: We received our test scores back and several of my students who would of scored Profesion on the OCCT Math test actually scored ADVANGHO! It would love to take all the credit and say it was because of my awesome teaching ability but it wasn't only that I believe my teaching curriculum combined with the Think Through Math program attributed to several of my students! Advanced score on the OCCT Math Test. Thank you!"

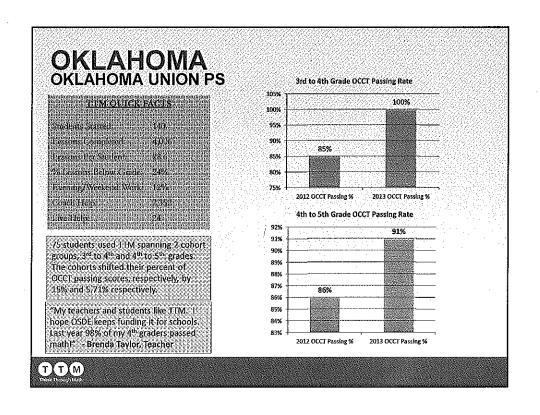
- Erika Thomas, Teacher, Marlow Elementary

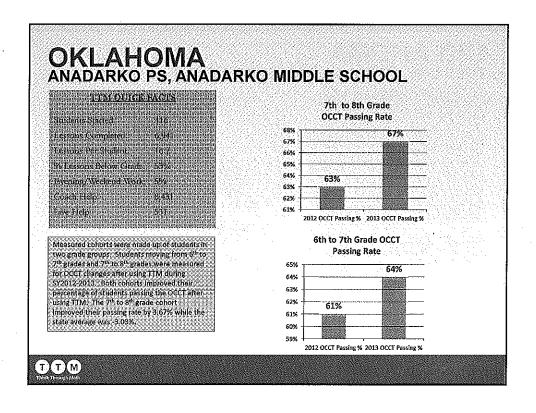
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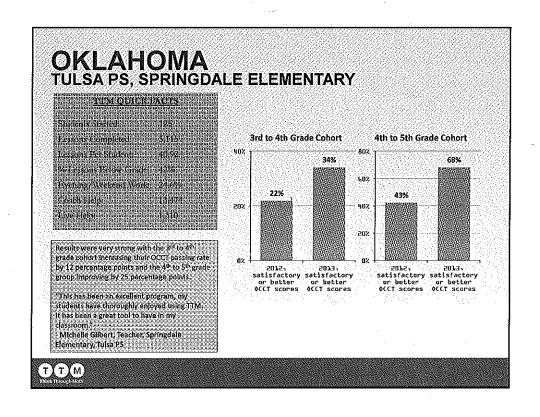


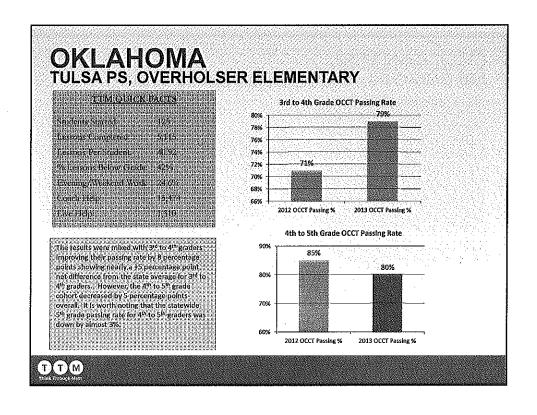


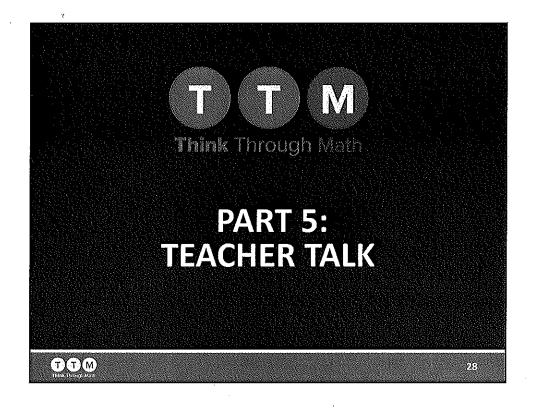












OKLAHOMA TEACHER TALK PUTNAM CITY, TULAKES ELEMENTARY

"I want to share with you the success of our 4th grade students at Tulakes Elementary in Putnam City Schools, Oklahoma City, OK, Upon receiving our initial state test scores in math, the first words that came from the 4th grade teachers were "Wow"! Way to go kids!! OMG! Yay!! and Think Through Math!!

Tulakes Elementary is a 100% poverty school located in one of the most populated square miles in Oklahoma. The crime rate of the area is extremely high, and our children light battles that no child should ever have to endure greatness is what they accomplished this past spring

Our grade level had approximately 75 students take the regular state math test, and we achieved a 93% passing tatelf. The highest recorded math score among the elementary schools in our district. Two of our 4th guidens one African-American female; attained perfect scores! We credit a significant amount of our success to the Think Through Math initiative.

Once we as reachers, were trained on how to implement TTM with our classes, within a few days we presented our students with the information. They fell in love with the ideas of creating availats, having their names on the leader board, donating to charities, and competing with other students across the state and nation! The easy use of the program motivated us to actively engage and encourage our students to use ITM in the computer lab, at home, at the public library, and any one they had internet access. We had students that spent ENTIRE/WEIS/ENDS on ITM, trying to beat the Sunday high deadline.) Some students even spent their whole spring break working on ITM.

What was really rewarding is when our children realized how much him they were having while learning. TTM became serious business to our students and they had a blast with every challenge?

- Kenyella Waiters, Teacher, Tulakes Elementary



OKLAHOMA TEACHER TALK

"My kids love TTM and I am a believer in it. Especially after I just had a low achieving student stand up and teach a concept at my smart board and turn on a handful of other kid's light bulbs about the concept. And he just casually said, 'Yeah, I learned that on Think Through Math last night' and headed to his seat."

- Kara Scifres , Teacher, Lincoln Elementary , Ardmore Public Schools



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OKLAHOMA TEACHER TALK

District	Campus	Name	Quote/Feedback	Role
Chisholm Public Schools	Chisholm Elementary	Lisa Detrixhe	"We love how Think Through Math is self paced, challenging, and offers incentives that are real world related. Even though this is supplemental to the regular classroom material, it is well worth the time to implement."	Teacher
Okemah Public Okemah Middle Schools School		Shaunda Painter	"My students love Think Through Math! The contests and Incentives make math fun for them, and in return, their willingness to learn has definitely increased. Think Through Math is by far the best math program! have ever used."	Teacher
Crutcho Public School	Crutcho	Keith Lewis	"Think Through Math has quickly become one of my favorite programs. The remediation is awasome, I love the live online tutors available whenever my students are working, the audio feature is amazing for any student struggling with reading, AND the Spanish is perfect for my ELI students."	Teacher



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OKLAHOMA TEACHER TALK

District	Campus	Name	Quote/Feedback	Role
Moore Public School	Winding Creek Elementary	Paula Gifford	"Our teachers and students love the program, and it is of great academic benefit to our students. We currently are the only Title I elementary school in Moore Public Schools that has an A on our school report card, and I give much credit to our increased math scores to TTM. Thank you for providing such a wonderful program for our school!!"	Principal
Jennings Public School	Jennings Elementary	Derrick Meador	"Think Through Math is the best adaptive teaming program I have seen. The ability to connect to a live tutor separates them from their competitors. Our student test scores and overall grade level have improved significantly since beginning this program."	Principal
Fox Public Schools	Fox Elementary	Mark Williams	"I absolutely love Think Through Math. The kids have finally found something to get excited about. They realize they can accomplish things in math they didn't think they could do in the beginning. And the younger kids who didn't get to do Think Through Math this year are looking forward to doing it in the future."	Principal
Mid-Det Public Schools		Gina Wright	Think Through Math has enabled our teachers to differentiate instruction at the student level. Students enjoy the ability to work through problems with the help of their classroom teacher, or through the multiple levels of help within the program. Due to the 24-7 online nature of the program, the home access availability can be a conversation starter between schools and families regarding student academic needs in mathematics.*	Math and Science Instructional Facilitator

OKLAHOMA TEACHER TALK

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District	Campus	Name	Quote/Feedback	Role
Verdrigris Public Schools	Verdigris Elementary	Kelly Keith	"The Think Through Math Program provides great incentives for students to want to practice math concepts that directly support the classroom. I have also had several parents tell me how much they like TTM because their children beg them to work on TTM at home."	Teacher
Turner Public Schools	Turner Elementary School	Jessica Miłchell	"Think Through Math has been a great motivator for my students. My students work hard to try to get lessons and points so they can be on the top of the leader board. I feel that TTM is beneficial because it not only motivates them but allows them to work at a level that works for them without frustration."	Teacher
Bartlesville Public Schools	Grissom ES	Cindy Lee	"Think Through Math has enabled our teachers to differentiate instruction at the student level. Students enjoy the ability to work through problems with the help of their classroom teacher, or through the multiple levels of help within the program. Due to the 24-7 online nature of the program, the home access availability can be a conversation starter between schools and families regarding student academic needs in mathematics."	Teacher

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