

**Williston Trinity Christian School
Action Plan
Math K-12**

Cycle 1: August 2016-May 2017 Cycle 2: August 2017-May 2018

<p>School: Williston Trinity Christian Grade Level: K-4 5-8 9-12</p>	<p>Year: Cycle 1: 8/16-5/17 Check up every 30 days. Cycle 2: 8/17-5/18 Check up every 90 days. Updated: 7/20/16</p>	<p>Current Status: Grades K-10 Based on 15-16 NWEA MAPS Data:</p> <ul style="list-style-type: none"> • 56% of students at or below 50% • 32% of students at or above 70% • 38% of students at or above grade level • 62% of students below grade level 	<p>Current Math Curriculum: Grades K-4 <ul style="list-style-type: none"> • My Math/McGraw Hill Grades 5-8 <ul style="list-style-type: none"> • McGraw Hill Grades 9-12 <ul style="list-style-type: none"> • Holt/McDougal (supplemental McGraw Hill) </p>
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Mission: To assist parents in providing an education that encourages academic excellence and social responsibility, taught in a Biblically based Christian context.

Action Plan Summary

Our focus area is: Math K-12

Overall goal (What we want to accomplish by the end of cycle two-Spring 2018.)

- By the end of cycle 2, WTCS will sustain high yield math curriculum in all grade levels.
- WTCS will show a 70% or higher achievement level on the NWEA test in regards to students at or above grade level (compared to 2016-17 assessments).
- WTCS will show a 65% or higher achievement level on the NWEA test in regards to all Math standards tested in each grade level (compared to 2016-17 assessments).

Target goal (What we want to accomplish by the end of cycle one-Spring 2017.)

- By the end of cycle 1, WTCS will sustain high yield math curriculum in all grade levels.
- WTCS will show a 65% or higher achievement level on the NWEA test in regards to students at or above grade level (compared to 2015-16 assessments).
- WTCS will show a 55% or higher achievement level on the NWEA test in regards to all Math standards tested in each grade level (compared to 2015-16 assessments).

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Approaches/Strategies (What we will do to realize our goal.)

- Progress Monitoring
- Math Enhancement Time
- Posting of Daily/Weekly Objectives
- Monthly Math Team Meetings
- NWEA Testing
- NDSA Testing
- Math Technology
- Goal Setting
- Learning Incentives
- On-Track Classroom Planning
- Test Taking Strategies
- Focused Standards

Measures: (what we will use to monitor our progress toward reaching our goal):

- NWEA Testing
- NDSA Testing
- EasyCBM Progress Monitoring
- Study Island
- IXL (www.ixl.com)
- Objectives/"I Can" Statements

Every 30 days during cycle 1, we will revisit/monitor our plan after every 30 day growth assessment and during monthly PLC data discussions. Every 90 days during cycle 2, we will revisit/monitor our plan after every 90 day growth assessment and during bi-monthly PLC data discussions.

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P	PLAN: Identify the gap and the approach
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<p>Performance Data; Formative and/or Summative data that is aligned to goal.</p> <ul style="list-style-type: none"> • 2015-2016 MAPS Data • Classroom EasyCBM monitoring K-8 • In-class assessments 9-12

D DO: Develop and Implement Deployment Plan					
Step #	Cycle 1 List the specific steps your team will complete during the first cycle.	Person(s) responsible for completion of the step.	Measure/Indicator (How will you know if the step is completed correctly?)	Start Date	End Date
1	Grades K-4 will have a break-out math enhancement session for thirty minutes each day. Groups will be broken up into levels based on ability, teachers will lead groups. September will be used for group placing. Students are able to move up based on ability and will be evaluated every thirty days for group placement.	K-4 Teachers	<ul style="list-style-type: none"> • EasyCBM • Small Group Progress Monitoring • Admin monitoring of objectives 	9/6/16	6/2/17
2	Grades 5-6 will have a break out math enhancement session at least two-three times per week for 50 minutes. Groups will be broken up into three levels, and teachers will lead groups. September will be used for group placing. Students are able to move up based on ability and will be evaluated every thirty	5-6 Teachers	<ul style="list-style-type: none"> • EasyCBM • Small Group Progress Monitoring • Admin monitoring 	9/6/16	6/2/17

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	days for group placement.		of objectives		
3	Grades 7-8 will have a break out math enhancement session for one class period every day, other than their regular math class. Groups will be broken up into two levels, and the high school math teacher will lead the groups with assistance from the middle school math teachers.	7-12 Math Teachers	<ul style="list-style-type: none"> • EasyCBM • Small Group • Progress Monitoring • Admin monitoring of objectives 	9/6/16	6/2/17
4	Grades 9-12 will receive math enhancement via IXL.com in their regular math classroom two to three times per week. This will be led by their regular education math teacher.	9-12 Math Teacher	<ul style="list-style-type: none"> • EasyCBM • IXL Monitoring • Progress Monitoring • Admin monitoring of objectives 	9/6/16	6/2/17
5	NWEA Maps testing: Classroom teachers will monitor the test taking period. Tests will be given within a certain time frame for each grade level.	K-10 Teachers/Students Administration	<ul style="list-style-type: none"> • Test Results 	Fall 2016 Spring 2017	Fall 2016 Spring 2017
6	NDSA test will be given in the classroom. This is a paper/pencil test; we will compare data regarding paper/pencil to online testing.	Teachers: 3 rd , 4 th , 5 th , 6 th , 7 th , 8 th , 11 th grades. Administration/Teachers	<ul style="list-style-type: none"> • Test Results 	Spring 2017	Spring 2017
7	Teach test-taking strategies/NWEA practice testing.	K-12 Teachers	<ul style="list-style-type: none"> • Check for understanding. 	On-going	On-going
8	Each class will post "I Can" statements in alignment with the curriculum. Weekly objectives will be posted in the classroom and on lesson plans.	K-12 Teachers	<ul style="list-style-type: none"> • Classroom walk-throughs. • Admin Accountability 	9/6/16	6/2/17
9	Each teacher, together with their peers, will create a 'year-	K-12 Teachers/Administration	<ul style="list-style-type: none"> • Admin Accountability 	9/6/16	9/6/16

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	plan' to outline their curriculum; teachers will do this as cohesive groups, to avoid slippage within the material being taught between grade levels.		<ul style="list-style-type: none"> • Will be posted in their curriculum • Sent home to WTCS families 		
10	Students in 8 th grade math will begin pre-algebra.	8 th grade math teacher	<ul style="list-style-type: none"> • Administration will evaluate 	9/6/16	6/2/17
11	Students in 8 th grade with a certain percentile on their 15-16 NWEA standardized test will be admitted into 9 th grade Algebra I.	8 th grade and high school math teacher.	<ul style="list-style-type: none"> • NWEA Maps Data 	9/6/16	6/2/17
12	PLC Conferencing every 30 days to track data and reevaluate goals and goal planning.	K-12 teachers/administration	<ul style="list-style-type: none"> • PLC minutes, and agenda. 	9/6/16	6/2/17
13	Students will make monthly goals upon EasyCBM data findings. Teachers will evaluate those goals with students via individual student/teacher conferencing.	Students Teachers Families	<ul style="list-style-type: none"> • Goals will be tracked and monitored. • Goal progress will be documented to families via student documentation. • Visual goal monitoring. 	9/6/16	6/2/17
14	Achievement Incentive. Incentives will be offered for student reaching individual achievement goals.	Students in grades K-4 Students in grades 5-12 Teachers Administration	<ul style="list-style-type: none"> • Achievement Tracking 	9/6/16	6/2/17

Data Analysis. Answer the following question using any data and/or information you have about performance in this area

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1. In order to meet your Overall Goal, what is the most important area that needs improving and why?

- ***Vertical alignment between grades; with a schoolwide common language of math strategies.***
- ***Basic addition, subtraction, multiplication, and division skills.***
- ***Key words; common geometry focus.***
- ***Teacher training of online aspects of My Math/McGraw Hill Curriculum***

2. What approaches/strategies are contributing to your success in this area and what data suggests this?

- ***My Math/McGraw Hill Math Strategies being implemented from teacher training.***
- ***Small group math instruction.***
- ***Group math enhancement.***
- ***Math every day in every classroom.***
- ***Progress Monitoring***

4. What seems to be the root cause of the problem?

- ***There is no time for break out/enhancement group sessions.***
- ***All teachers are not currently aligned with their approach to teaching the MyMath series.***
- ***All teachers need more common planning and time to communicate student data.***
- ***Training in the curriculum.***
- ***Students are not reaching grade level.***
- ***Students are lacking basic math facts.***
- ***Students/Teachers are not getting to cover all of the material in an appropriate amount of time.***

Reflection:

5. What approaches/strategies could you deploy to address the root cause and support meeting your overall goal?

- ***Have a team approach when considering goals for our students.***
- ***Post objectives daily, analyze our ability and follow through with meeting the objectives.***
- ***Implement math intervention groups with progress checks.***
- ***Implement math enhancement groups with progress checks.***
- ***Implement EasyCBM data tracking***
- ***Continue with NWEA MAPS testing in the Fall and Spring to monitor growth.***
- ***Implement once yearly NDSA testing.***

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6. What performance measures will you use to monitor impact of your approach/strategy?

- ***NDSA results***
- ***NWEA MAPS results***
- ***EasyCBM results, cycle 1: 30 days, cycle 2: 90 days.***
- ***Progress monitoring results from small group math instruction/enhancement time.***
- ***Progress monitoring results from whole group instruction.***

7. What measure will you use to monitor fidelity of deployment of your strategy/approach?

- ***Classroom walk-throughs.***
- ***Monitoring of weekly objectives.***
- ***Monitoring of classroom/teacher year-plan.***
- ***Scope and sequence monitoring of curriculum.***
- ***Standards monitoring.***
- ***PLC Collaboration as documented in minutes and agendas.***
- ***Data collection and collaboration amongst teachers in regards to small group instruction/math enhancement times.***

9. What professional development, if any, will be offered in cycle 1 to support the staff in implementing the approach?

- ***We planned this development as a school wide team, teachers, admin, and families.***
- ***Holding a workshop/question and answer segment regarding the curriculum.***
- ***Trainings will be held on supplemental information regarding the curriculum i.e. online textbook.***

10. If funding is required, what funding source will be used? ***No. Funding will not be required.***

Messaging:

11. How will you convey intent of this focus area of math action to WTCS Families and Stakeholder Groups?

- ***We will publish our goals, and findings in a Math Action Plan.***
- ***We will communicate to parents through individual student goal setting and goal evaluation.***
- ***We will post our results in regards to data collection with NWEA and NDSA testing.***
- ***We will celebrate our progress and achievement of our goals.***

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12. How will you communicate progress towards goals or course corrections to WTCS Families and Stakeholder Groups?

- *EasyCBM Results.*
- *NDSA Results.*
- *NWEA Maps Results.*
- *Staff will read, adhere, and edit the Math Action Plan.*
- *Plan will be posted on our school web page (www.tcsnd.org)*
- *Plan will be shared out via e-mail with WTCS Families and Stakeholder Groups.*
- *Plan will be shared at the fall and spring parent meeting.*
- *Plan progress will be shared with parents and community during conferences.*