



# AUGS 7th Grade Math Trajectory

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3/20/18

**Prepared for Board of Education**

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**Future Agenda Item Requested by Lori Linck**



# Current State - Programming - 2017-2018

Programming: Kindergarten - 3rd Grade	Differentiation <ul style="list-style-type: none"><li>• No regrouping, with Homeroom Teacher</li><li>• One years worth of standards with opportunity for deeper dives at times</li></ul>
Programming: 4th - 5th Grade	Differentiation <ul style="list-style-type: none"><li>• Regrouping, Enriched classes</li><li>• One years worth of standards with opportunity for deeper dives at times</li></ul>
Programming: 6th - 8th Grade	Differentiation <ul style="list-style-type: none"><li>• Regrouping, Honors and Plus classes</li><li>• One years worth of standards with opportunity for deeper dives at times</li></ul>
Individual Needs: Kindergarten - 8th Grade	Acceleration and Differentiation <ul style="list-style-type: none"><li>• Individual Subject Acceleration</li></ul>

# Why are we discussing this topic as it relates to AUGS?

A decision needs to be made.

Question: Do we offer some type of Integrated Math 1 summer programming for qualifying 7th Grade students so those students can take Integrated Math 2 while in 8th Grade? We have the last two years as you will learn this evening.

Note: If we do not offer summer programming then the students will take Integrated Math 1 during their 8th Grade Year which would be acceptable by law.

\*Integrated Math 1 is a high school curriculum. Students must pass an exam that D117 has provided to take Integrated Math 2 at AUGS.

# Information shared with BOE previously

AUGS Math Trajectory as of 1/11/18

1/11/18 Update: Discussion is taking place. NWEA Winter scores will be reviewed at the beginning of February to determine if summer offering will take place for a select group of students

Grade in 16/17	16/17	Summer 17	17/18	Summer 18	18/19	19/20	20/21
4th Grade (1 student) (Class of 2021)	6th Grade Math Honors		*Blend 7th and Integrated M1 to eliminate summer prog.	NO SUMMER	Integrated M1	Integrated M2 @ D117/AUGS	Integrated M3 @ D117
5th Grade (1 student) (Class of 2020)				Integrated M1 @ AUGS/Online	Integrated M2 @ ACHS/AUGS	Integrated M3 @ D117	Pre-Calc @ D117
6th Grade Math Honors (Class of 2019)				NO SUMMER	Integrated M1	Integrated M2 @ D117/AUGS	HS
				Integrated M1 @ AUGS/Online	Integrated M2 @ ACHS/AUGS	Integrated M3 @ D117	HS
7th Graders (8 students)	7th Grade Math Honors	Integrated M1 @ AUGS/Online *Midterm & Final w/C or better	7th Grade Math Honors	NO SUMMER	Integrated M1	HS	HS
*to eliminate summer, blended at 6th *6th/7th grade curriculum better option			Integrated M2 @ AUGS	Integrated M1 @ AUGS/Online	Integrated M2 @ ACHS/AUGS	HS	HS
7th Graders (2 students)	7th Grade Math Honors	Integrated M1 @ AUGS/Online *Midterm & Final w/C or better	Odysseyware (online program) Integrated M3 @ AUGS		Pre-Calc @ D117	HS	HS

\*Brainstorm of Changes that could be looked into - Blend the 6th and 7th grade curriculum in 6th grade in order to do integrated M1 in 7th grade and Integrated M2 in 8th grade. Smaller class size of 10-15 students (skipped off the top).  
  
Programs - OdysseyWare, Northwestern, Tie students to a math teacher at AUGS for assistance.

**Future** - Gifted endorsed teacher push in and/or teach top %. Math endorsement.

# AUGS Background: Years 2002 - 2014

Prior to implementation of the Common Core Standards:

- Students took Pre-Algebra in 6th grade,  $\frac{1}{2}$  Algebra I in 7th grade and the 2<sup>nd</sup>  $\frac{1}{2}$  of Algebra I in 8th grade. Then went to Algebra II, Geometry and Algebra III at the high school.
- A small number of our subject accelerated students came to AUGS while in 5<sup>th</sup> grade. These students followed the path above and then took an online Northwestern program (Geometry) during their 8<sup>th</sup> grade year. Then took Algebra III honors at the high school (about 7 years ago).
- 4 students at AUGS were subject accelerated and took Geometry honors at AUGS using the high school curriculum and then took Algebra III honors in high school (about 6 years ago).

# AUGS Background: Years 2015 - 2018

Since implementation of the Common Core Standards:

- 6th: Honors, Plus & Regular math classes cover the 6th grade standards using Eureka curriculum utilizing differentiation.
- 7th: Plus & Regular math classes cover the 7th grade standards using Eureka curriculum utilizing differentiation. Honors covers 7th grade standards and some 8th grade standards utilizing differentiation.
- 8th: Plus & Regular math cover the 8th grade standards using Eureka curriculum utilizing differentiation.
- 8th: Honors covers the 8th grade standards and Integrated Math I curriculum, in conjunction with District 117 utilizing differentiation.

# Background: Summer 2016

Four students were tutored by AUGS employee

Parents paid for the tutoring

Students took the D117 exams prior to the start of the school year

All students passed and received Integrated Math 2 Instruction while 8th Graders

ACHS picked the students up on morning routes for instruction at ACHS

D34 had to pay \$15,000 for Durum to transport back to AUGS because no D34 drivers could do the route due to Elementary morning bussing

# Background: Summer 2017

8 students completed an online course from American School. One student transferred in and completed Odysseyware.

Parents paid for the online course

Students took the D117 exams at start of the school year

All students passed and are receiving Integrated Math 2 Instruction while in 8th Grade at AUGS

2 Students were accelerated and are receiving Integrated Math 3 instruction while in 8th Grade at AUGS



Summer 2018 Decision to be Made

The next three slides provide  
options for consideration

# Summer 2018 for Consideration

## Option A

Students take online program in the summer

Two options

- Odysseyware which the district has licenses
- Parents pay for another online program

Students come in during the end of the summer and take the D117 exam

Students take Integrated Math 2 at AUGS if they pass D117 exam

# Summer 2018 for Consideration

## Option B

Qualifying students take course with AUGS employee during D34 Summer School

Parents pay \$360.00 for summer school registration and \$45.00 for transportation

Students come in at the end of the summer and take D117 exam

Students take Integrated Math 2 in 8th Grade at AUGS if they pass D117 exam

# Summer 2018 for Consideration

## Option C

Do not offer summer option

Students take Integrated Math 1 in 8th Grade at AUGS

# Qualification Requirements for Integrated Math 2

Pass 7th Grade Honors with A

Scoring 97% or above on Fall, Winter, and Spring NWEA in 17-18

Teacher Behavior Checklist

B average on semester 1 and 2 on D117 Exams from Integrated Math 1

Commitment to Summer Learning, Self-Motivated

# Recommendation - AUGS Certified Employees

Summer 2018

Option B

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Students come in at the end of the summer and take D117 exam

Students take Integrated Math 2 in 8th Grade at AUGS if they pass D117 exam

# Comments by Director of Teaching and Learning

I do not believe that parents should have to pay extra money for their child's education (summer programming).

If it is important for D34 to offer Integrated Math 1 so students can take Integrated Math 2 during 8th grade year then the District needs to prepare students and cover the content during the regular school year.

Teachers report Honors classes are just finishing curriculum within a year. With the rigor and complexity of CCSS, is there time to fit in additional content?

Are students ready of the content while in 7th and 8th Grade?

# Long-Term Solution

The gifted committee will be looking at a long-term recommendation and solution.

The goal would be that all education takes place during the school year, not in the summer, to ensure all families have equal access to education.

Exploration on Curriculum Compacting is recommended:

- Curriculum realignment
- Work on task during or after school or in the summer, it will take time to complete before it can be implemented
- Need willing participants to complete the work
- Phased in so no students misses content skills or grade level content



AUGS 7th Grade Math Honors Summer  
2018

Board of Education  
Discussion

What can the BOE support?