

Curriculum Development Update

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Michelle Tucker, Director K-12 Math

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Eric Fitts, Principal - East Millbrook Middle School


Desired Outcomes

- Received an overview from the Curriculum Development Team about their work
- Received information on the implementation progress of new curricula resources (OUR, MVP, EL Education)

Our Purpose

Vision: To transform learning and teaching

Mission: Develop processes to procure, create, and implement standards-aligned curriculum to ensure every student is challenged and engaged in relevant, rigorous, and meaningful learning each day.



Mission Wake County Public School System will provide a relevant and engaging education and will graduate students who are collaborative, creative, effective communicators and critical thinkers.

Core Belief #1 Every student is uniquely capable and deserves to be challenged and engaged in relevant, rigorous, and meaningful learning each day.

Core Belief #2 Every student is expected to learn, grow, and succeed while we will eliminate the ability to predict achievement based on socioeconomic status, race, and ethnicity.

Core Belief #3 Well-supported, highly effective, and dedicated principals, teachers, and staff are essential to success for all students.



Comprehensive, Standards Aligned Curriculum

- Implement standards-aligned instruction
- Research-based
- Problem-based approach
- Instructional routines
- Coherence within and across grade levels
- Create learning experiences that have a deep level of rigor and engagement

What Works...

**Effective
Intervention
Practices**

**Effective
Implementation
Practices**

**Good Outcomes
for Students**

Implementation Gap



- Integrity
- Sustainability
- System-Wide Capacity

IMPLEMENTATION

INTERVENTION

	Effective	NOT Effective
Effective	Actual Benefits	Inconsistent Not sustainable Poor outcomes
NOT Effective	Poor outcomes	Poor outcomes Sometimes harmful



Open Up Resources (OUR)

Math Grades 6-8

2018-2019 - Year 1 Implementation

Materials and Resources

Teacher Resources

- NC Teacher Manuals
- Non-Consumable Math Kit

Student Resources

- NC Student Workbooks

Digital Resources

- Teacher Canvas Course
- Student Canvas Course

Parent Resources

- NC Unit Overviews in English and Spanish



Professional Learning

- **School Leaders** - (*Principals, APs, IFs*)
 - Half-day training during the summer/beginning of school year
 - Ongoing training throughout year (*principal meetings, IF meetings*)
- **Teachers** (*available to all teachers of math: Special Education, AIG and ESL teachers*)
 - 6 face-to-face days of training
 - Completed 5 of 6 training days as of 11/19/18
 - 3 virtual launches for teachers teaching 6 plus and 7 plus



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Mathematics Vision Project (MVP)

Math 1 – 2017-2018 – Year 1 Implementation

Math 2 – 2018-2019 – Year 1 Implementation

Math 3 – 2019-2020 – Year 1 Implementation

2018-2019 Implementation

- Year 2 for Math 1 for all middle and high schools
- Year 1 for Math 2 for all schools
- Year 1 for Math 3 for select schools
 - 2 middle schools
 - 16 high schools

Materials and Resources

Teacher Resources

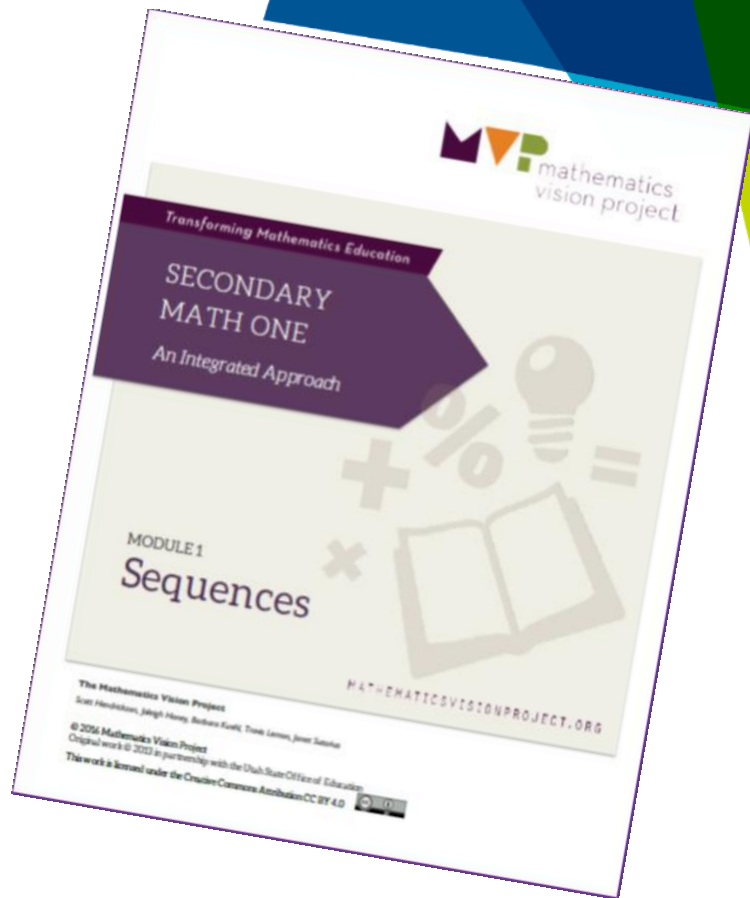
- Digital Enhanced Teacher Notes
- Digital Unit Overviews

Student Resources

- Printed Student Workbooks
- Homework Help Videos

Digital Resources

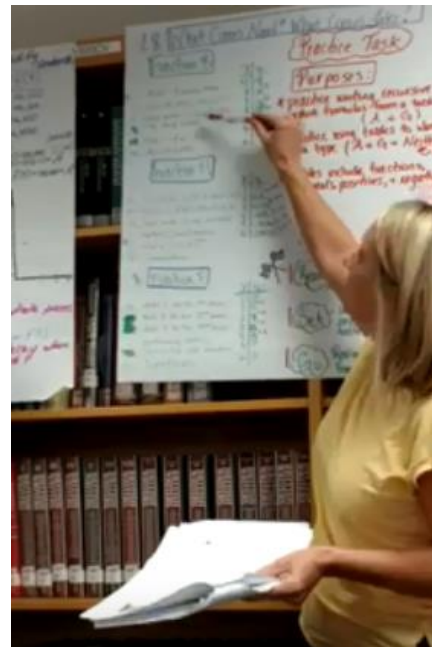
- Teacher Canvas Course
- Student Canvas Course



Professional Learning

MVP Trainings for Math 1, 2, and 3

- 4 days of face-to-face training completed
- Offered to:
 - Teachers new to teaching Math 1 with MVP
 - All Math 2 teachers
 - Math 3 teachers at schools who opted to implement this school year
- Pre-recorded webinars with Unit Overviews housed in the teacher Canvas site



Teacher Voices:

What did you find helpful about the training?

“Working through tasks together with other professionals and **seeing different ways to do things.**”

“The instructors were great! Concepts were drawn out and clarified. **Extremely helpful** training on how to facilitate [task-based learning].”

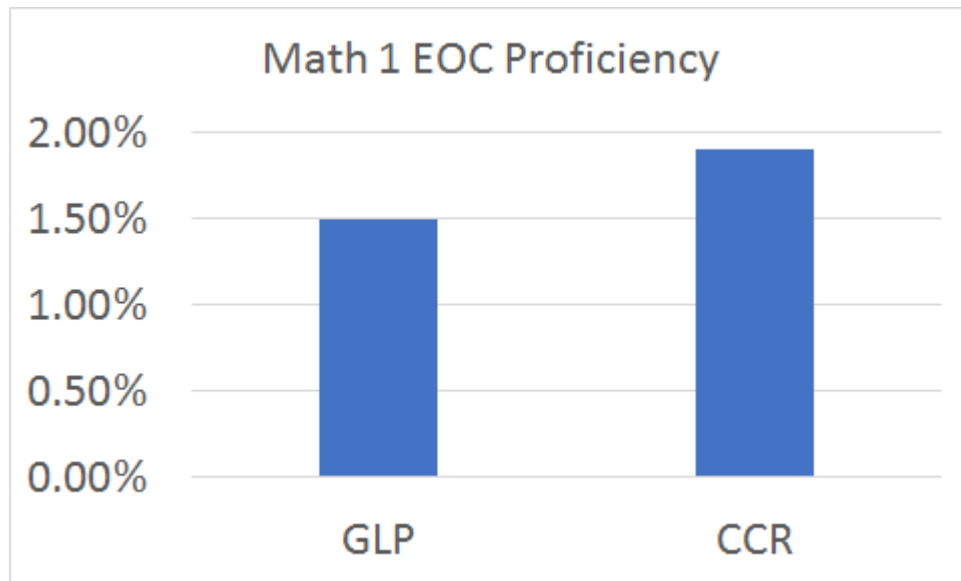
“Everything. It was **awesome** about helping me visualize and help explain it all to the students.”

“**Working with colleagues** and seeing how Math 1 connected to Math 2.”

“Going thru the modules and **seeing a video** of how it was taught in an actual classroom!”

Initial Data - Math 1 EOC Results

- GLP (Levels 3, 4, 5) proficiency **increased** by 1.5%
- CCR (Levels 4, 5) proficiency **increased** by 1.9%



Teacher Voices - Implementation

“I see lots of **students flourishing** as they show ideas and what they did on the doc cam.”

“There’s improvement in **independent thinking**.”

“The students are coming in [to Math 2] used to the ‘**MVP way**’. Students are **making connections** to Math 1.”

“They have more **conceptual knowledge** about functions and transformations.”

“My students are doing a good job of making **multiple representations** for their equations.”



EL Education (ELA)

Grade 3 and 6

2017-2018

Year 1 Implementation

Grades 4,5,7,8

2018-2019

Year 1 Implementation

Materials and Resources

Teacher Resources

- Teacher Guides
- Required Text

Student Resources

- Required Text
- Recommended Text (building)
- Student Workbooks

Digital Resources

- Teacher Canvas Course

Parent Resources

- HW for Families in English and Spanish (Elem.)



Protocols & Strategies

EL Teacher Tools

Professional Learning

Videos

Google Community

Frequently Asked Questions

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[Overview](#) [Curriculum Map](#)

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[Module 1](#)

Professional Learning

Teacher Trainings

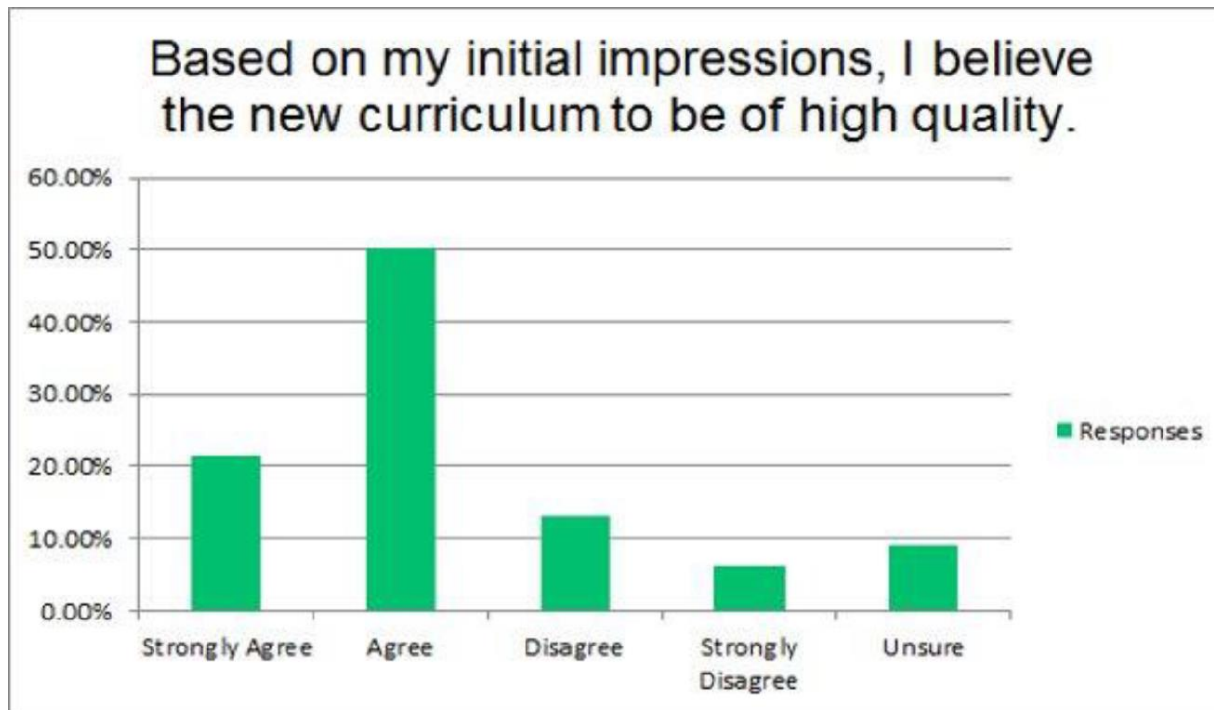
- Provided face-to-face training for every 3rd-8th grade teacher (including teachers that support students in those grade levels)
- Created an Orientation for Grade 4, 5, 7 and 8 Teachers in Spring prior to training
- Offered a Day 3 based on teacher feedback
- Provided additional training sessions on ALL Block (elementary)
- Developed a virtual Late Hire Training
- Providing Year 2 training (3rd and 6th grade teachers)
- Providing training for Grade 8 teachers in preparation for Module 3

Professional Learning

School Leader Trainings

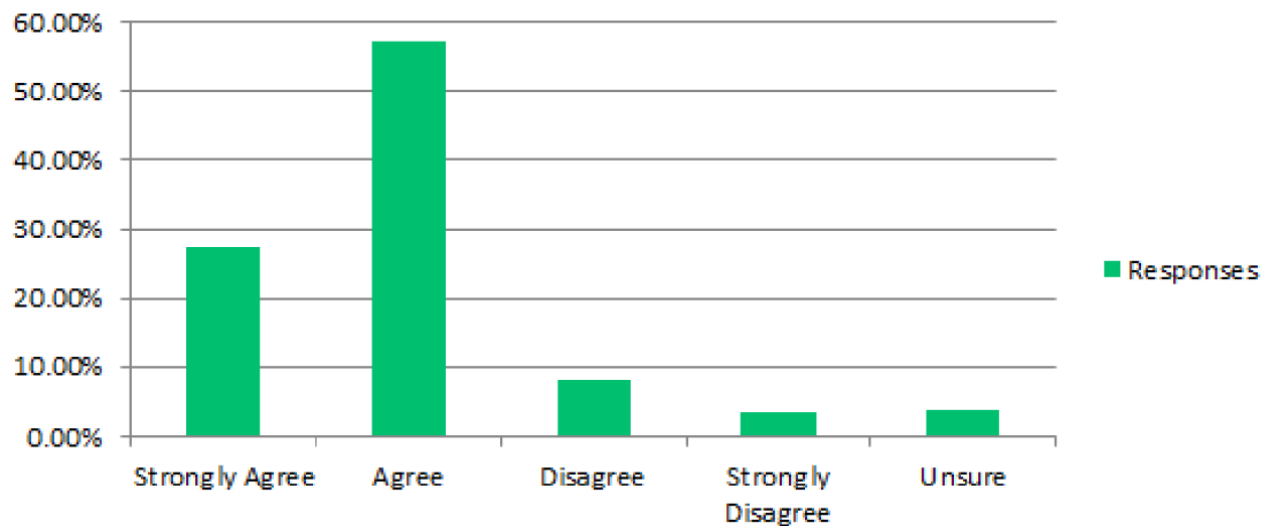
- Administrative Conference Sessions
- Optional Leadership Forums
- Instructional Facilitator Training
- Ongoing training in Principal and Instructional Facilitator Meetings

Initial Survey Data

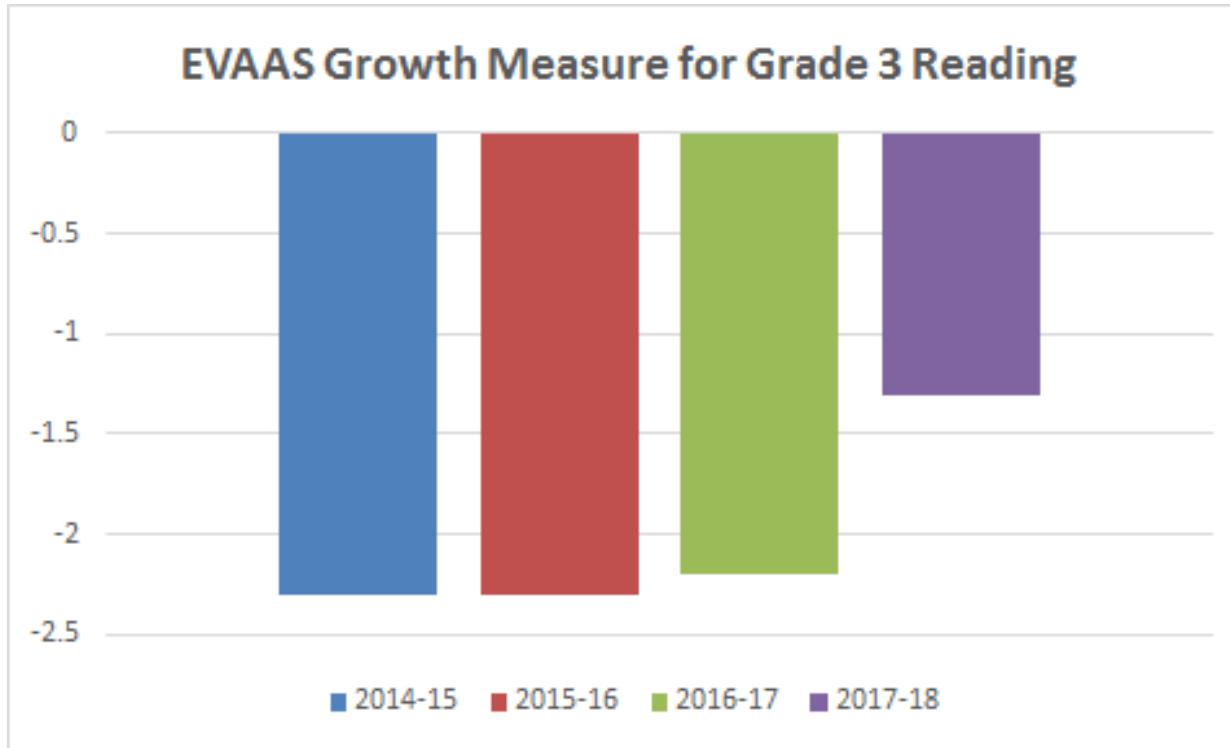


Initial Survey Data

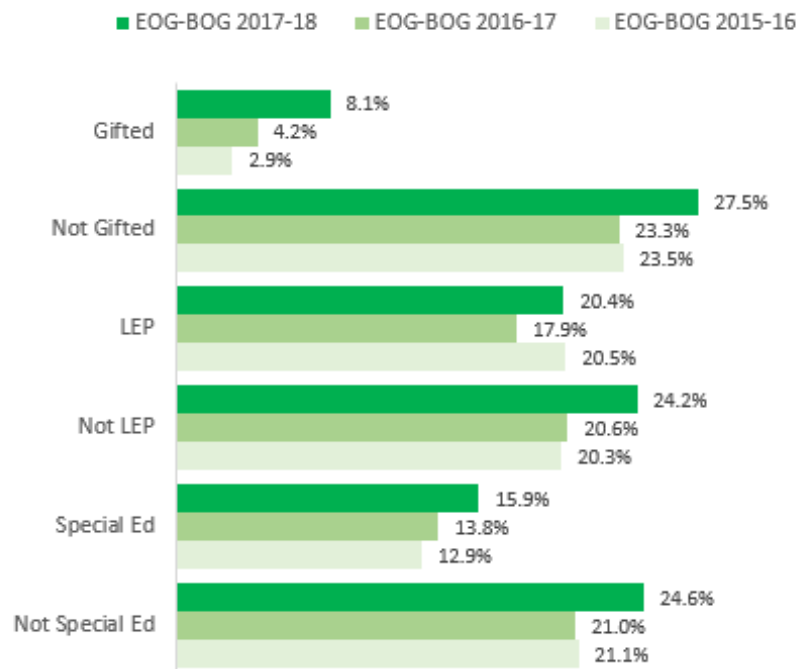
I understand how the new curriculum materials are aligned to the rigor of the standards.



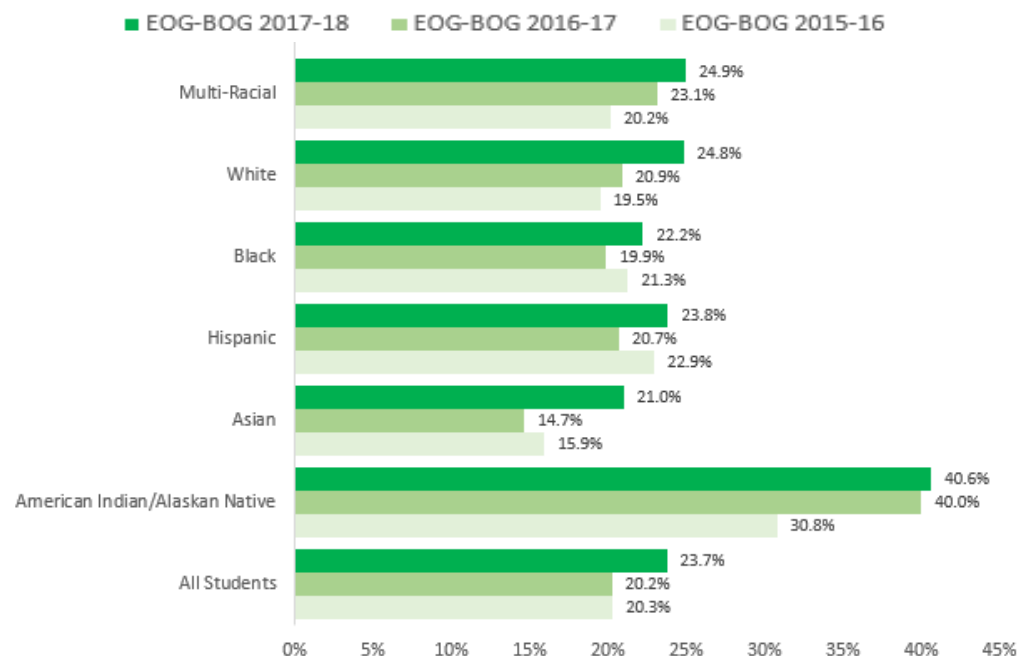
Initial Data



WCPSS BOG to EOG Progress, Increased % of Students Proficient by Subgroups 2015-16 to 2017-18

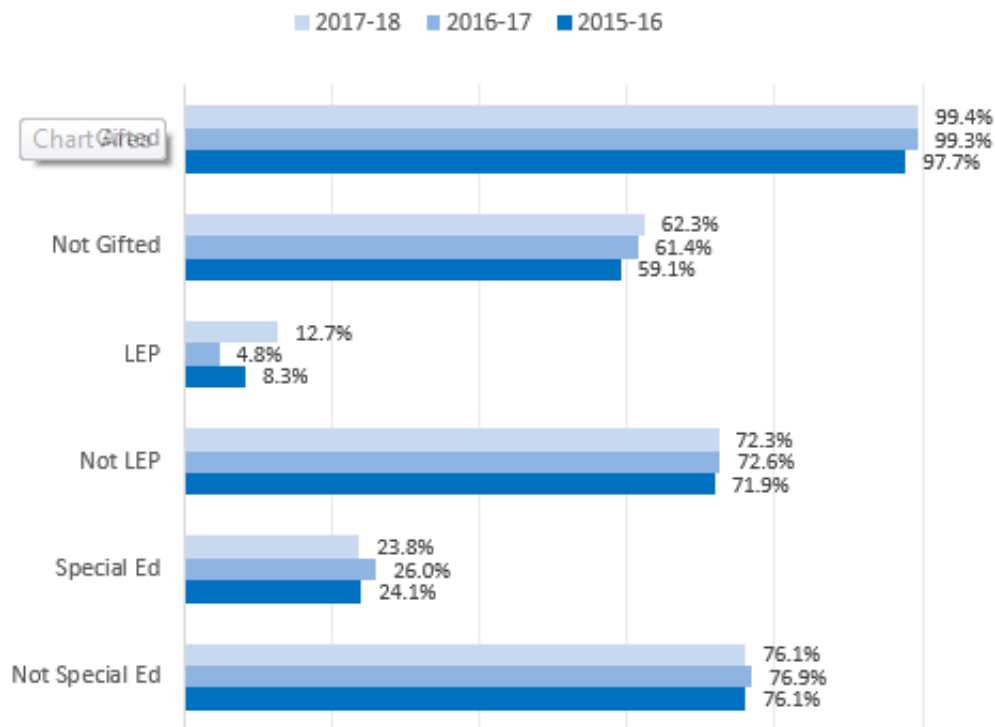


WCPSS BOG to EOG Progress, Increased % of Students Proficient by Subgroups 2015-16 to 2017-18

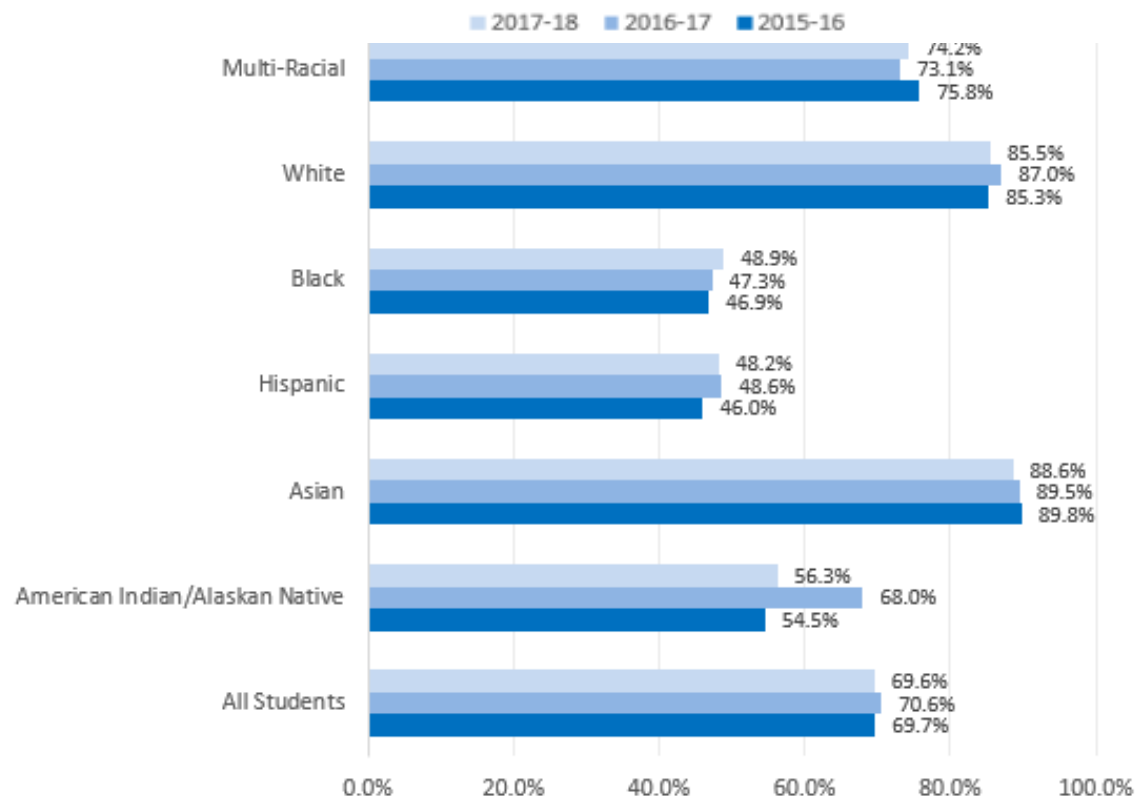


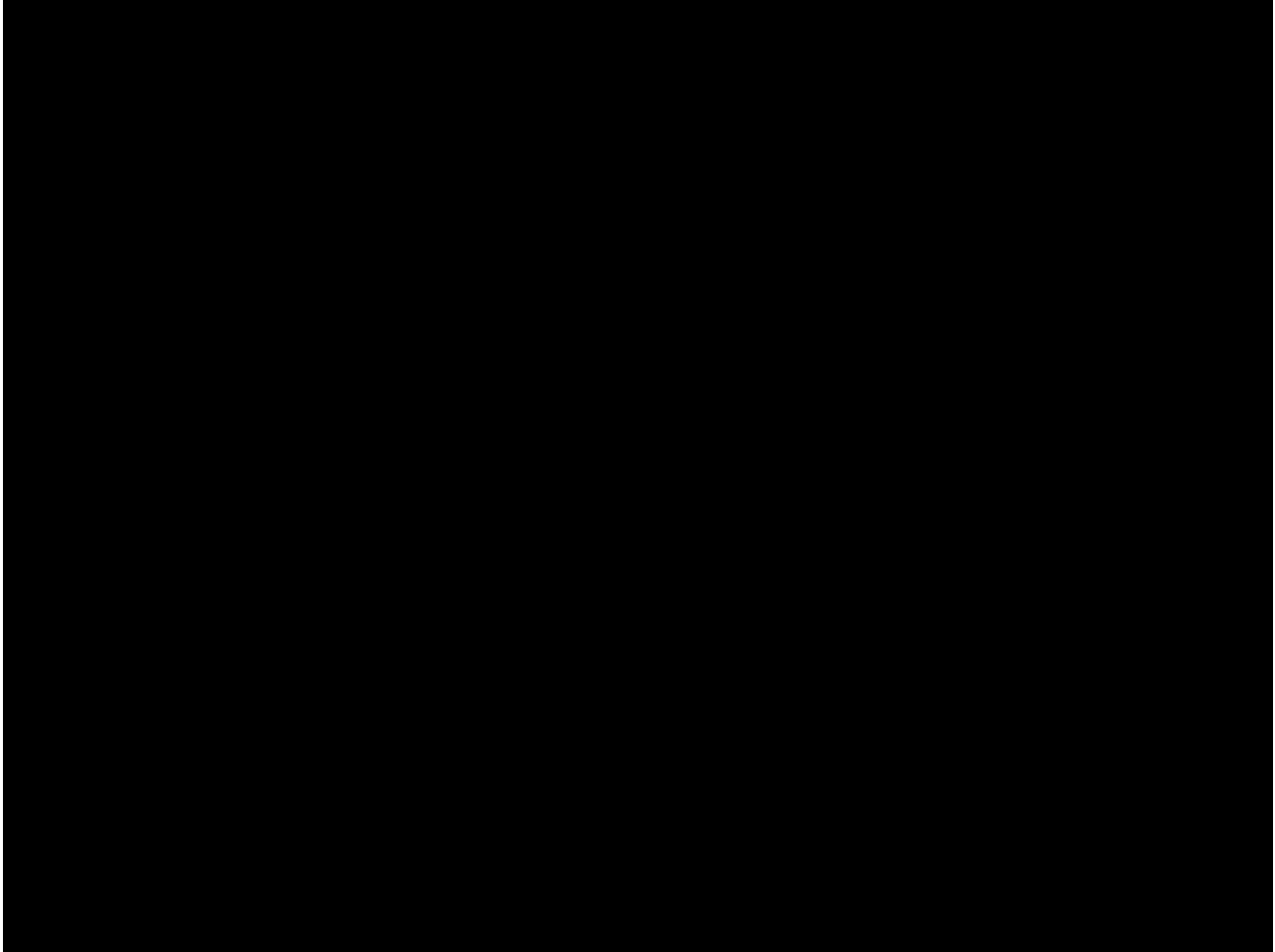
*Note: Subgroups fewer than 10 students are not reported.

WCPSS Grade 6 EOG Reading Proficiency (%) by Subgroups 2015-16 to 2017-18



WCPSS Grade 6 EOG Reading Proficiency (%) by Subgroups 2015-16 to 2017-18





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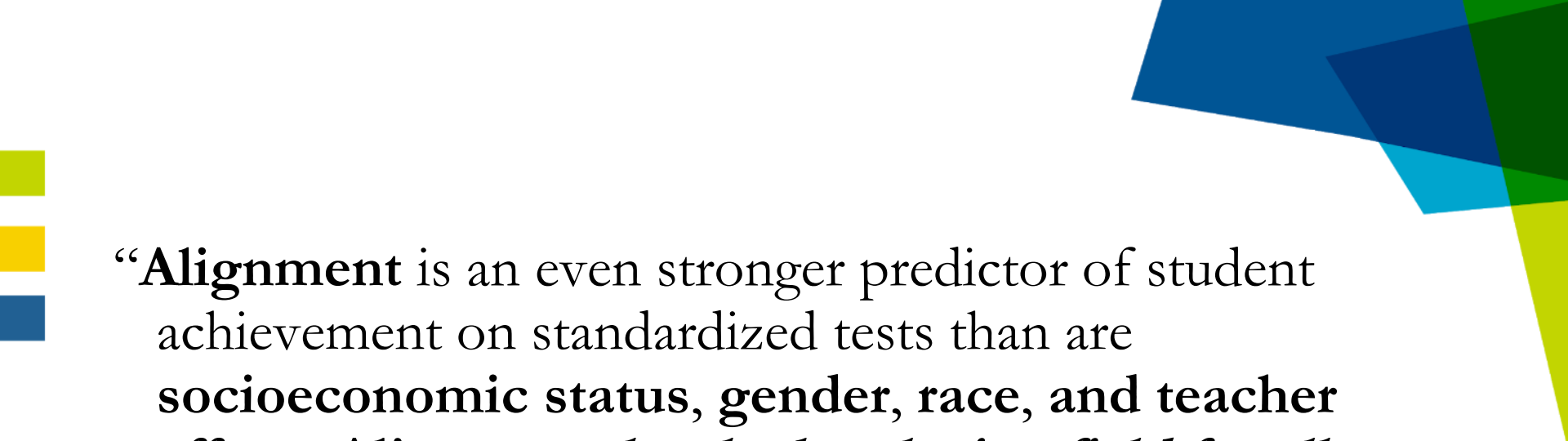
Out of the mouth of students..

"EL is fun and I'm learning new stuff, like how people are being threatened by the way they look. This teaches me not to judge someone by how they look." -Gregory, 5th grade

"EL had us research about different poets and it helps me understand what they were inspired by. I like working with groups and teamwork really helps us get the answers together." -Lorelei 4th Grade

"EL has changed me because I learn more now than before EL. The painted essays are preparing us for future grades. The books help us understand how people were treated differently in the past, which helps me understand how they felt so I can change how I treat people in the future." - Omar 5th grade





“**Alignment** is an even stronger predictor of student achievement on standardized tests than are socioeconomic status, gender, race, and teacher effect. *Alignment levels the playing field for all students* and, therefore, is an essential ingredient in curriculum design.”

Drake and Burns, 2004



Principal Perspective

Eric Fitts, Principal

East Millbrook Middle School



Next Steps:

Work Groups:

Curriculum Writing - CMAPP

Assessments

Procurement Guide

Prioritize additional content area needs