

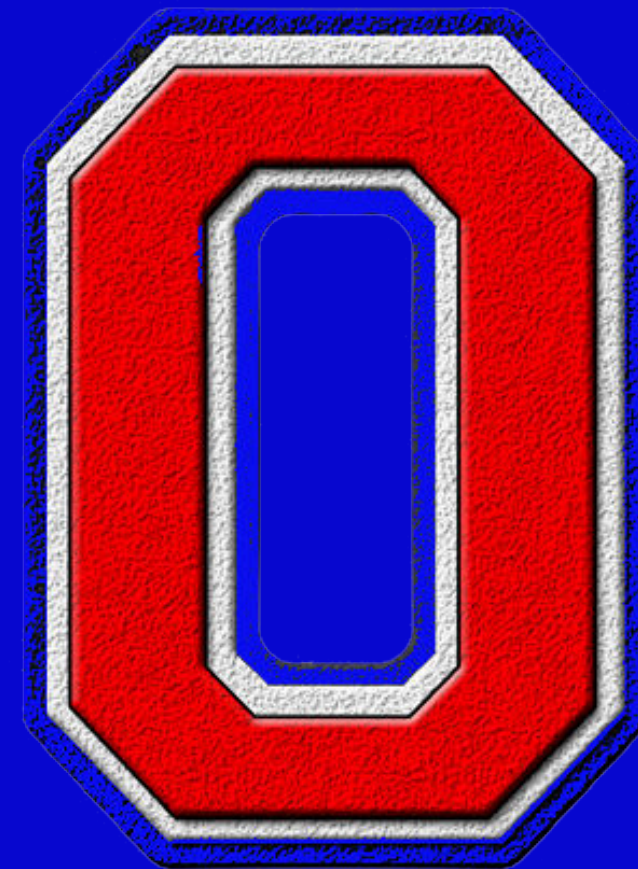
DRIVING MATH ACHIEVEMENT

Initiatives Fueling Student Growth



TOWNSHIP OF OCEAN SCHOOL DISTRICT

AGENDA



- 01 | *Overview*
- 02 | *Initiatives*
- 03 | *Intervention*
- 04 | *Acceleration*
- 05 | *References*

OVERVIEW



K-5 Math Program



Savvas EnVision



2012
2016
2024



Concrete
Visual
Abstract



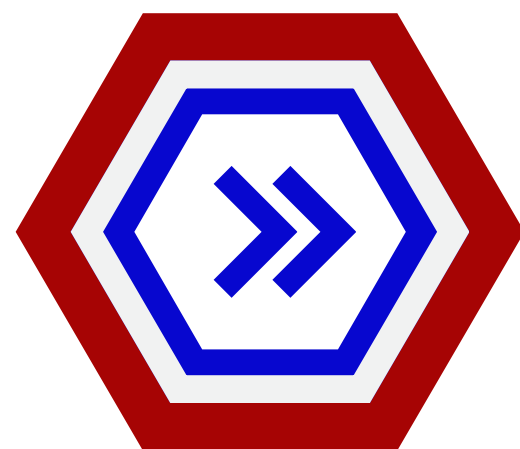
Focus on
Conceptual and
Procedural
Understanding



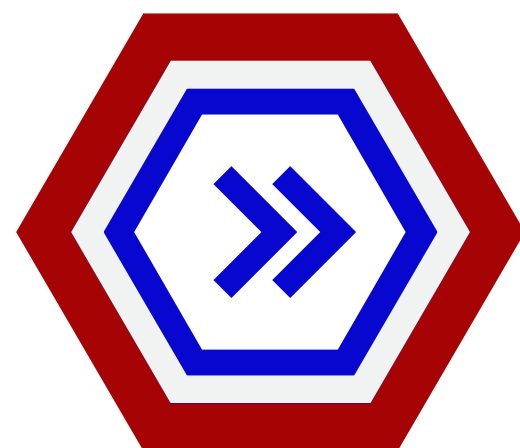
Highly Aligned to
NJSL
Content and
Rigor



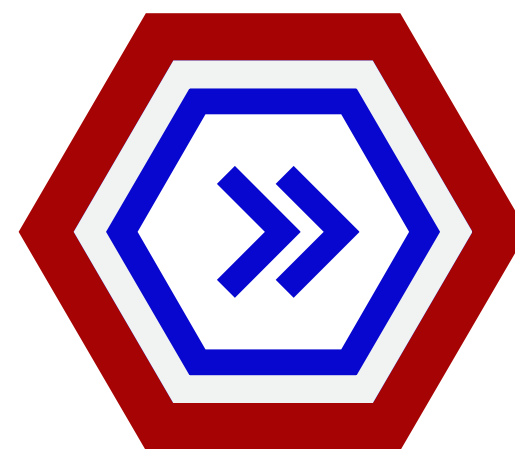
6–12 Math Program



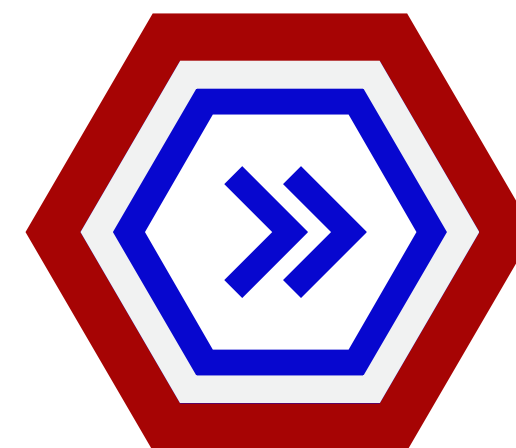
**Savvas
EnVision
Grade 6**



**Big Ideas
Learning
(7–8)**



Pre-AP



AP

INITIATIVES



K-5 Initiatives



40 + 40 Math Period

- Differentiation - Extend, Reinforce, Intervene



Focused Curriculum

- Curriculum Companions



Revamped Schedule

- Focus on Small Group Instruction Periods (SGI)
- Intervention & Enrichment



IXL to Diagnose and Target (K-12)

- IXL Math Diagnostic 5x Per Year
- Skills focused learning tool



Math Fact Fluency



6-12 Initiatives



Tiered Intervention 6-11

Pre- AP



- Rigor and Depth of Learning
- Preparation for Advanced Courses
- Focus on Analytical and Collaborative Skills

Instructional Redesign



- Centers & Stations
- Intervention, Enrichment
- Data-Based Differentiation



INTERVENTION



K-5 Intervention



Tier 2 + Tier 3

- In Classroom Support and Reinforcement + Gap Filling



Continual Progress Monitoring & Data Cycles

- Linkit! + IXL Data
- Tier 3 Learning Logs



Focus on High Priority Prerequisite Math Standards



6-12 Intervention

Tier 2 + Tier 3 (6-8)

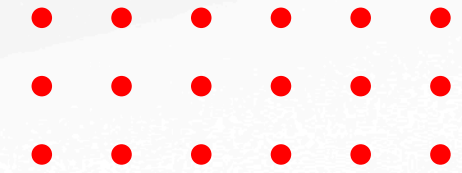
- In Classroom Support and Reinforcement + Gap Filling

Continual Progress Monitoring & Data Cycles

- Linkit! Individual Intervention Plans
- Progress Monitoring through IXL
- Data Cycle Meetings (6-8)

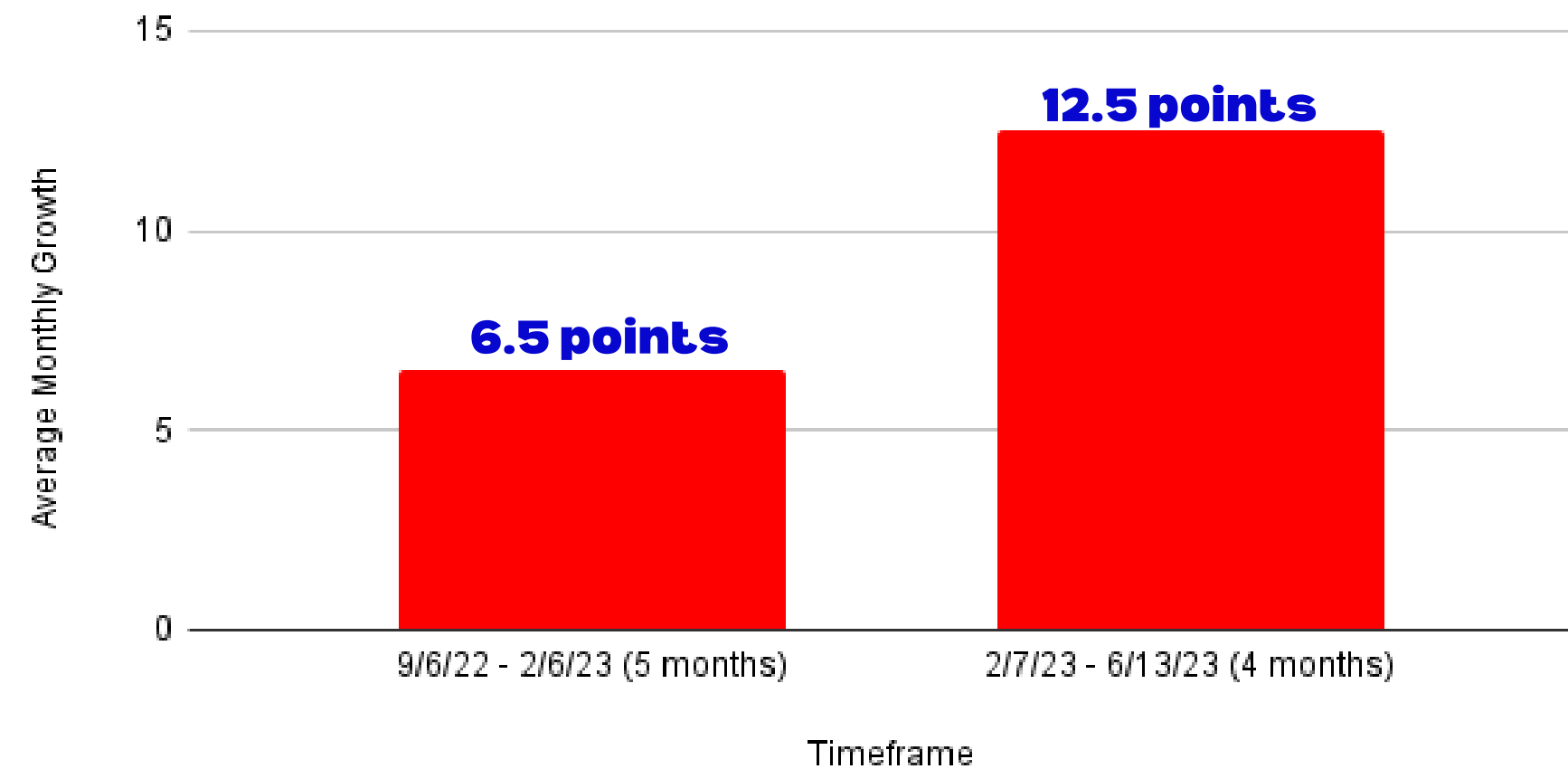


TIER 3 MATH GROWTH (G2 - G4)



22/23 IXL Diagnostic Average Growth

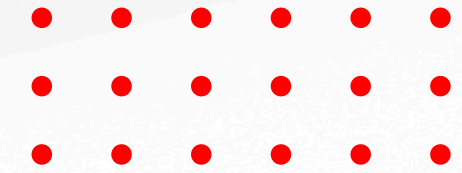
Growth of 24 Intervention students: Pre and Post Tier 3 Math Initiative



Expected Monthly Growth = 10 points per month

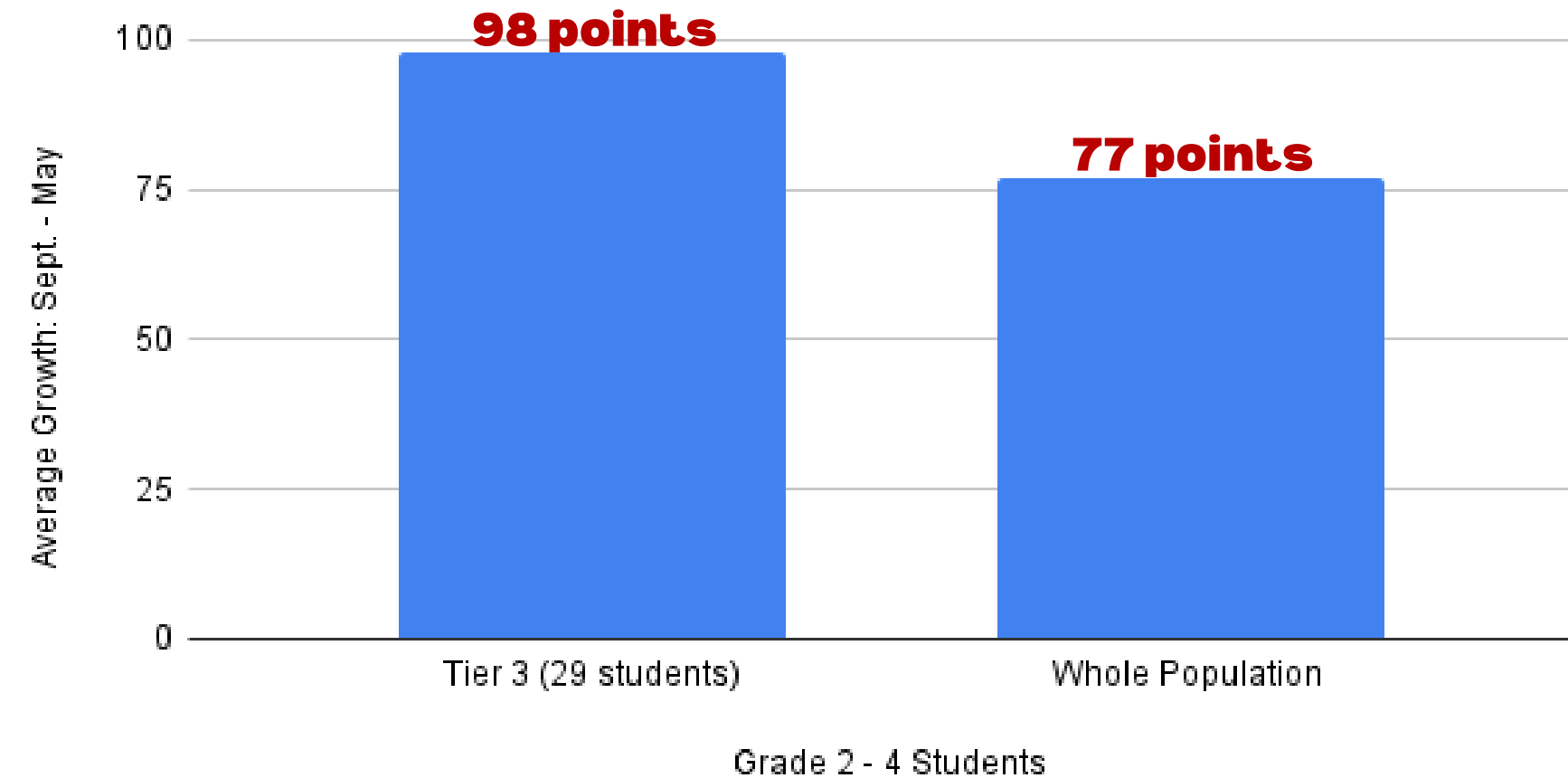


TIER 3 MATH GROWTH (G2 - G4)



23/24 IXL Diagnostic Average Growth

Tier 3 vs Whole Population



Average Growth over 8 months (80 points expected)



ACCELERATION



Why Math Acceleration?



The Earlier Students are Exposed to Algebra...

- Strongest predictor of later success
- Improved reading, writing, and communication skills
- Builds logical thinking



Extensive Support and Substantial Positive Research



District Data Indicated that Students were Ready for More Rigor

Acceleration Preparation and Identification



Preparation

- Teachers differentiate to **Extend** and **Enrich** students beyond grade level learning goals.



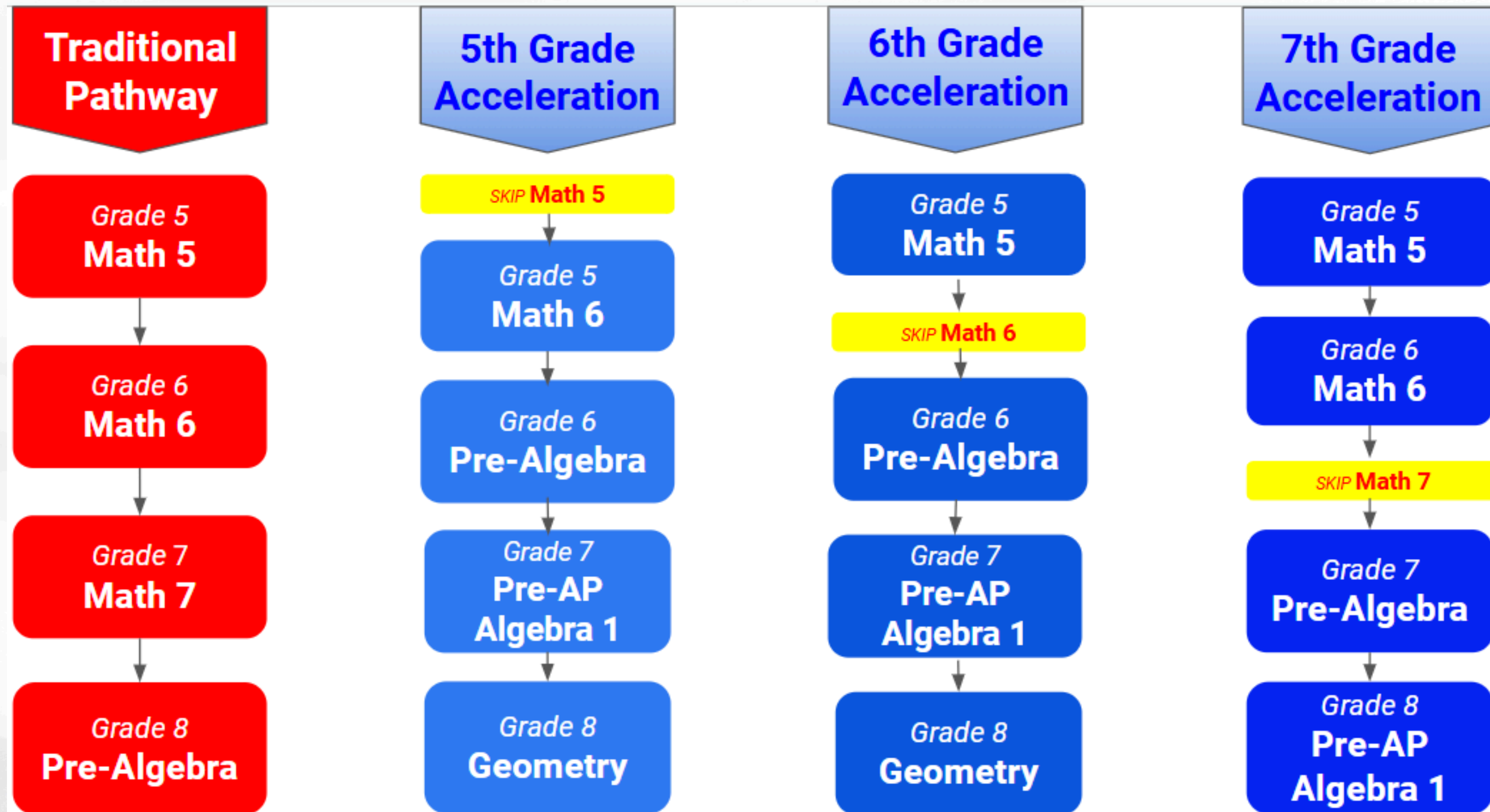
Identification

- Whole Population Screening
- Acceleration Screening
- Re-assessment Opportunities



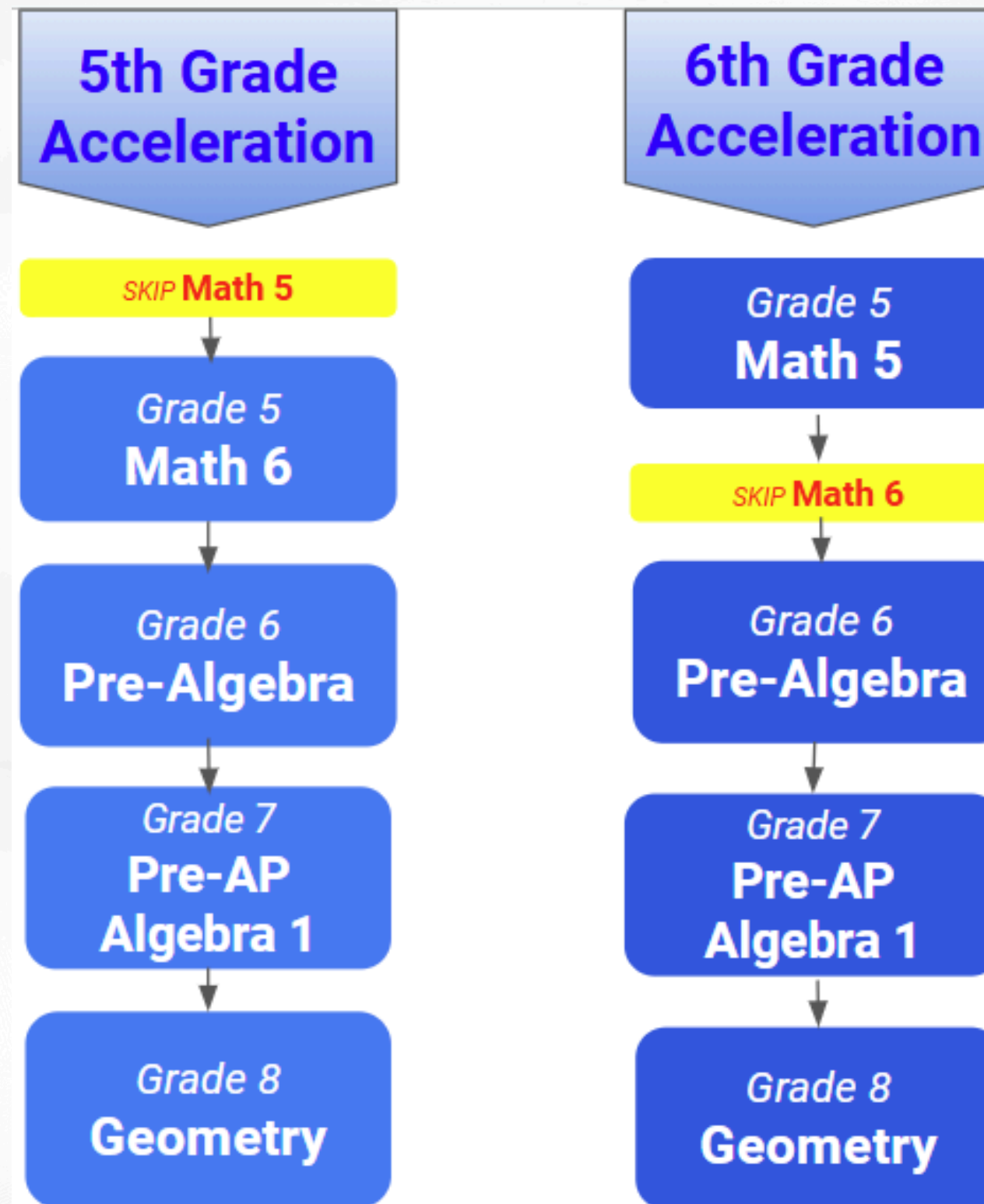
OCEAN TOWNSHIP INTERMEDIATE SCHOOL

MATH COURSE PATHWAYS 2024-2025



OCEAN TOWNSHIP INTERMEDIATE SCHOOL

MATH COURSE PATHWAYS 2024-2025



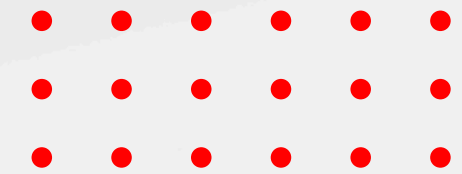
OCEAN TOWNSHIP INTERMEDIATE SCHOOL ACCELERATION ENROLLMENT

Enrollment by Course					
Year	Math 6 (5th graders)	Pre Algebra (6th graders)	Algebra 1 (7th graders)	Geometry (8th graders)	TOTAL
21/22	6	5			11
22/23	8	10	9		27
23/24	16	12	10	9	47
24/25	20	15	12	10	57

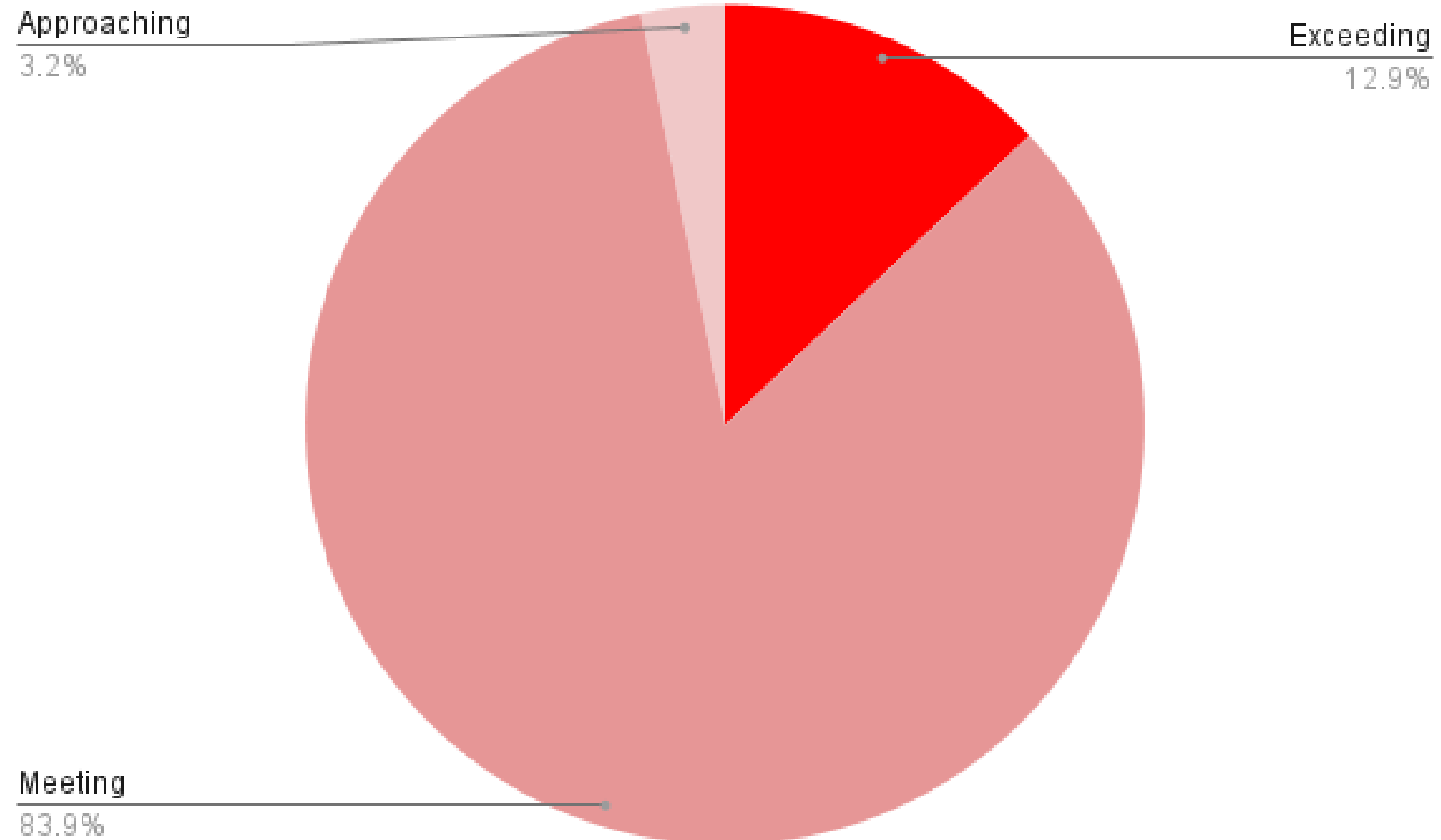
OCEAN TOWNSHIP INTERMEDIATE SCHOOL ACCELERATION ENROLLMENT

Enrollment SY 21/22 - SY 24/25			
Grade	New Acceleration Pathways	Established Acceleration Pathways	TOTAL
5	50		50
6	42		42
7	31	190	221
8	20	212	232

TOIS ACCELERATED STUDENTS NJSLA PERFORMANCE 21/22 - 23/24



- 7TH GRADE ALGEBRA 1
- 8TH GRADE GEOMETRY
- (31 STUDENTS)



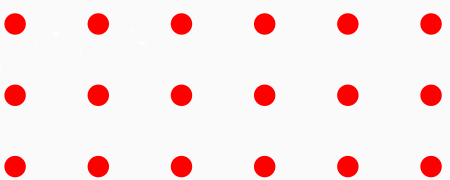


TOWNSHIP OF OCEAN SCHOOL DISTRICT



REFERENCES ↘

National Mathematics Advisory Panel. (2008). Foundations for Success: The Final Report of the National Mathematics Advisory Panel. U.S. Department of Education.





TOWNSHIP OF OCEAN SCHOOL DISTRICT

THANK YOU

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