

Barnegat Brag

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The Importance of Algebra 1

Did you know...

65-70% of 8th grade students in the U.S. are performing below proficient in math.

In NJ only 49% of students in 8th grade performed at or above proficient on the 2013 NAEP assessment. (National Assessment of Educational Progress)

The inability to perform more complex math, such as Algebra 1 and Geometry, puts students at a greater risk of dropping out of school before graduation.

Students who pass Algebra 1 by the end of ninth grade are more likely to take advanced mathematics courses, graduate from high school, and succeed in college

Data taken from the National Center for Education Statistics & UIC Research on Urban Education Policy Initiative.

Preparing Students for Algebra 1



With BOE support the Jumpstart to Algebra 1 Summer program was launched in August 2015.

A teacher facilitator was hired to administer the program.

Think Through Math was chosen.

Students were identified and invited to attend



Preparing Students for Algebra 1



An initial cohort were invited to participate.

18 students signed up to attend the 8 days of Jumpstart.

16 students attended the program (full or part-time)

The program was held at BHS from August 3-13 for 2 hours each day.

This is equivalent to 16 hours of small group targeted tuition in math.



What is Think Through Math?

Online adaptive math program

The student pathway changes as students complete lessons.

The aim is to backfill gaps and return students to on-grade level material

The teacher acts as a facilitator and can work with individuals and small groups

Live help from certified math teachers on-line is also available.

Student Performance

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Students were assigned to a specially created summer jumpstart pathway created by TTM.

The pathway included a range of lessons to reinforce and review Pre-algebra content, as well as to introduce some beginning basic Algebra content.

All students present took part in the Summer Math 100 challenge.

At the end of the program the students took the challenge to show their progress.

Time on task/online was recorded, both during the program and after school hours.

Results

The average score on the initial summer challenge 100 was 34%

The average post score increased to 51%

One student completed an additional 4 hours of instruction at home.

The average lesson pass rate was 69%

Students passed 64% of the on-grade level lessons during the program.

TTM provided all students with complimentary T-shirts, as well as a \$25 Amazon gift card to the student who completed the most lessons.



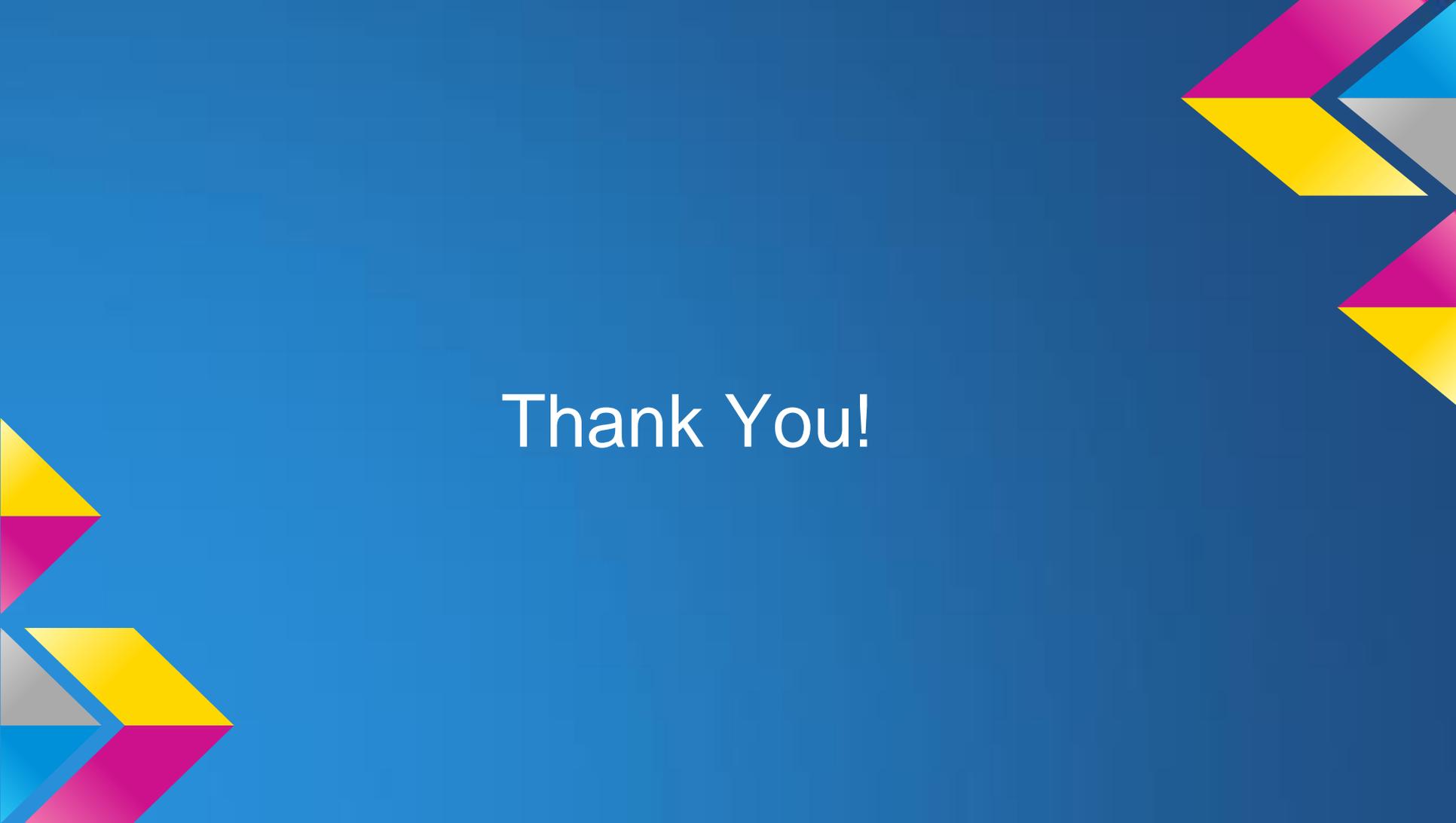
Moving Forward

TTM is currently used in all math EOC classes at BHS

For the 2015-16 school year the program is being expanded into ROBMS in resource math classes and achievement strategies.

For summer 2016, we will once again seek Board approval to offer the summer Jumpstart program.

There is no cost for the actual licenses for the summer as we are able to recycle the licenses from the prior school year.

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Thank You!