



HMS SCHOOL IMPROVEMENT PLAN

MATH

Goal: Average or higher growth on MAP by Spring 2017

Sixth Grade: 88.04% (was 84.91% Spring 2016)

Seventh Grade: 84.18% (was 82.68% Spring 2016)*

Eighth Grade: 87.72% (was 86.22% Spring 2016)

*** represents higher than typical yearly growth for this group**

MAP Math Sub-Categories

1. Real and Complex Number Systems

2. Operations and Algebraic Thinking *

3. Geometry

4. Probability and Statistics

*** has historically been lower than the other three when looking at each grade as a group**

Action Items

1. Goal setting in advisory

2. Push-in stations lessons

3. Increased amount of differentiation in classes

We are working with the students and math teachers in many other ways. These are just the action items that were listed on the SIP document.

Mid-Year Check

1. Advisors conference with students

2. Evaluate exit tickets

3. Discussions with grade level math teachers:

(Progress of students identified at the start of the year, continue to monitor students for differentiation needs...)

The D181 Math Curriculum is based on the Common Core State Standards Initiative, which in addition to content standards, includes:

The Standards for Mathematical Practice

Make sense of problems and persevere in solving them.

Reason abstractly and quantitatively.

Construct viable arguments and critique the reasoning of others.

Model with mathematics.

Use appropriate tools strategically.

Attend to precision.

Look for and make use of structure.

Look for and express regularity in repeated reasoning.

Other Talking Points - Math

- 1. Flipped Classrooms**
- 2. Math Workshop Model**
- 3. Big Ideas Activities**
- 4. Assessments**

ANY QUESTIONS?

<http://www.d181.org/learning/curriculum/math>