

Math Update



Board of Trustees Meeting
June 10, 2021

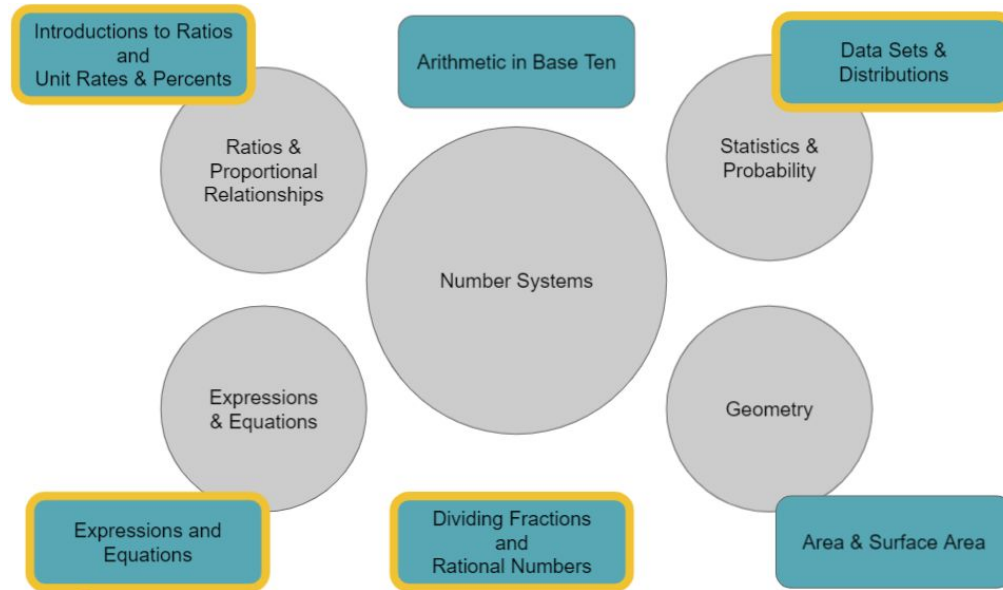
Overview

1. Math Curriculum
2. Additional Math Staffing
3. Summer Extended Learning
4. Summer & Fall Work
5. Math Milestones PD Strand



1. Math Curriculum

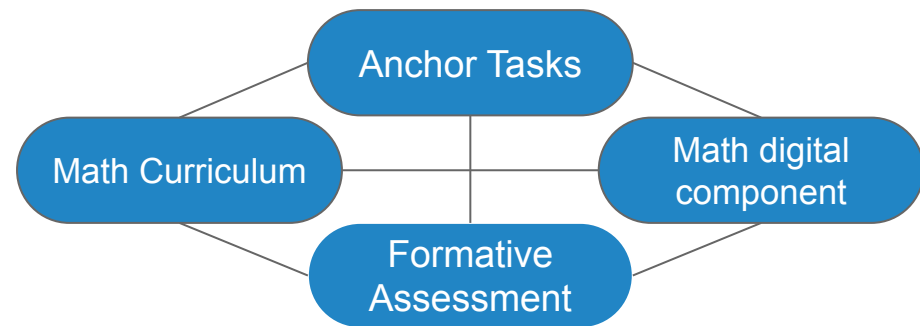
- EngageNY though Zearn (elementary) and Illustrative Math through Math Nation (middle):
 - Among the most highly-rated in the nation
 - Offers blended learning flexibility
- Publish year-long scope & sequence by August 15, 2021
- Establish districtwide benchmark assessments by August 15, 2021
- Establish district-wide math routines
- Establish district-wide Math Milestone tasks*
- Finalize district-wide math professional development calendar



2. Additional staffing to support Math

Hired 4 MS math positions and in hiring process for one middle school math ToSA

- Improved student-teacher ratio
- Continued curriculum and instruction support
- Co-teaching and instructional coaching
- Focus on district-wide benchmark assessments, math routines, and Math Milestone tasks*



In hiring process for 3 elementary math ToSAs

- Continued curriculum and instruction support
- Teacher team facilitation & support
- Instructional coaching
- Focus on district-wide benchmark assessments, math routines, and Math Milestone tasks*

3. Summer Extended Learning



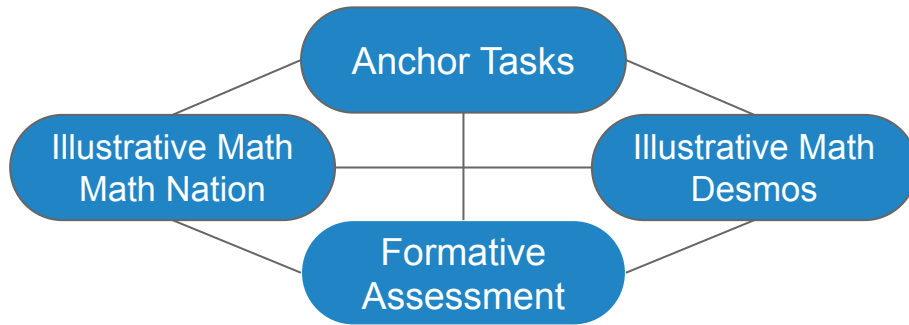
Rising 6th Graders one-week Summer Boost:

- Engage rising students in FUN and rich mathematics
- Develop students' math voice
- Build connection to a 6th grade math teacher at their MS site
- Enthusiastic Math 6 teachers from 4 middle school sites working with approx. 100 rising 6th graders
- July 26 - July 30 from 9am to noon at Abbott Middle School

Four-week Summer Programs Grade 1 - Grade 8 (*Newton Summer Program and Summer School*)

- Engage several hundred students in FUN and rich mathematics
- Develop students' math voice and growth mindset.

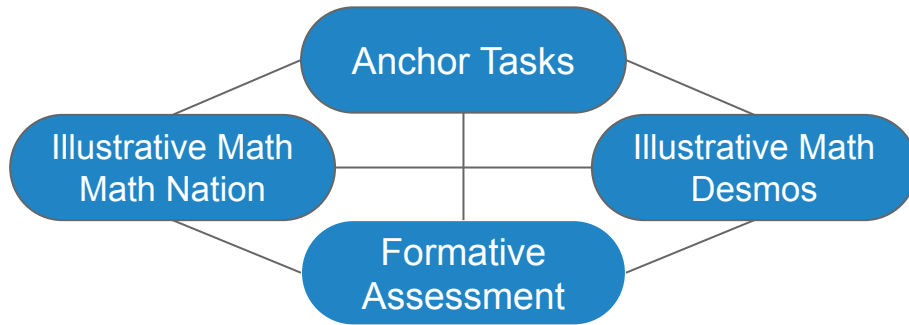
4. Summer Work



Summer Collaboration Teacher Teams

- Establish districtwide pacing by August 15, 2021
- Establish Districtwide benchmark assessments by August 15, 2021
- Summer Boost Program collaboration on math routines and Math Milestone tasks*

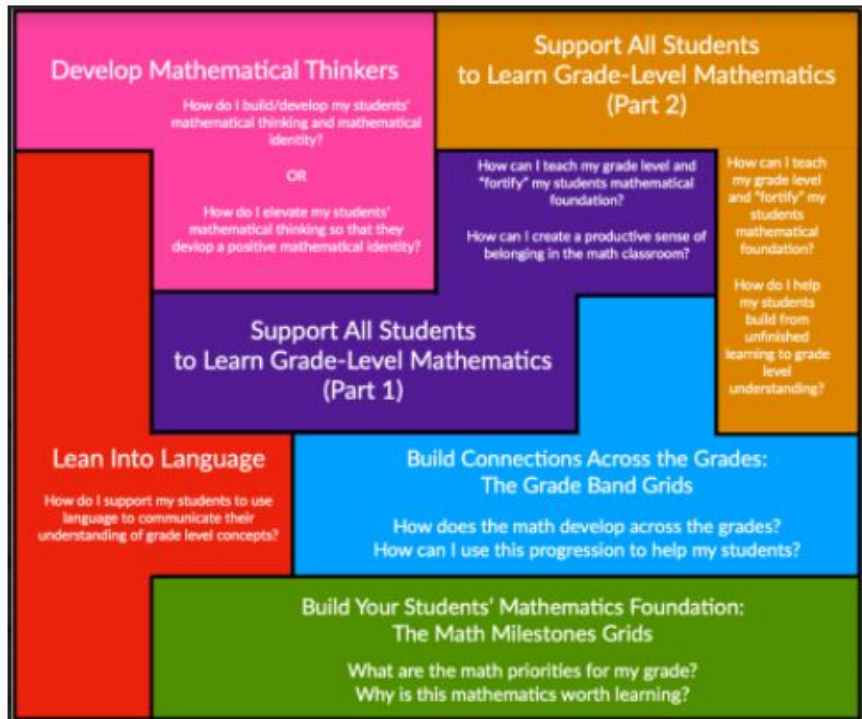
4. Fall Work



2021-22 Ongoing Support and Collaboration

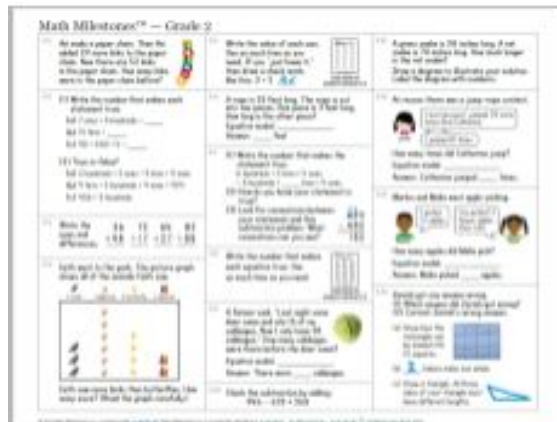
- Coaching and Support for site implementation of districtwide pacing by August 15, 2021
- Coaching and Support for site implementation of Districtwide benchmark assessments by August 15, 2021
- Coaching and Support for site implementation of data review.
- Monthly Math 6 curriculum and assessment meetings

5. Professional Development Strand



6 sessions with SMCOE and Harold Asturias of Lawrence Hall of Science UC Berkeley to build understanding of Math Milestone tasks:

- Engage all students in learning relevant and meaningful mathematics.
- Develop students' sense of self-belief and empower them as critical thinkers, owners, and doers of mathematics.
- Discover students' assets and use them for learning to teach grade-level mathematics.
- Focus on the grade's essential foundational content and coherence
- Tailor professional learning to the unique needs of SMFCSD students and teachers, to support effective differentiated instruction



Thank You