

VALLEY STREAM DISTRICT 30

the friendly schools

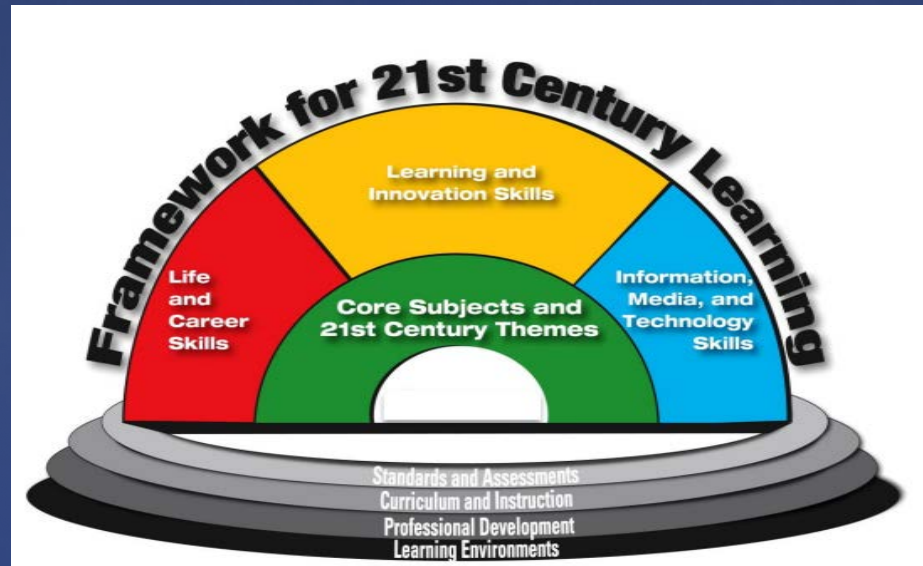
Board of Education Annual Update - Mathematics 2016-2017



STRATEGIC PLAN, 2015-2020
ADOPTED JUNE 15, 2015

Presented by
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GOAL 1: “To enhance our core CURRICULUM, enabling Valley Stream #30 students to develop 21st century skills that promote life-long learning.”



21st Century Learning Objectives Area: Core Subjects & 21st Century Themes- Students will receive instruction and show grade appropriate growth in the following core subjects: English Language Arts, Arts, Mathematics, Science, and Social Studies as measured by local assessments. In addition, students will extend their understanding of core subjects at much higher levels by weaving 21st century interdisciplinary themes (i.e., Global Awareness, Financial, Economic, Business, and Entrepreneurial Literacy, Civic Literacy, Health Literacy, Environmental Literacy into core subjects.

Monitor K-6 Math core curriculum implementation with a focus on the (8) Mathematical Practices with district-wide fidelity. (Phase: Implementing)

2016-2017 ANNUAL UPDATE

Instructional Supports

- Creation of a student rubric for the 8 mathematical practices to help build perseverance in students.
- Google folder created and shared with teachers that contains the rubric, graphic organizers, folders of multi-step word problems and suggested implementation plan.
<https://drive.google.com/drive/folders/0B8hD67wpgKc2S2htMks3X3RrU2s>
- In classroom modeling across the district on how to facilitate students' discussion around the rubric and getting students engaged in mathematical discourse.



Monitor K-6 Math core curriculum implementation with a focus on the (8) Mathematical Practices with district-wide fidelity. (Phase: Implementing)

2016-2017 ANNUAL UPDATE

Instructional Supports

•**Math Labs:** Across the district grades 2 and 5 engaged in math labs. Grade 2 focused on measurement(time, money and introduction to using the ruler) and Grade 5 focused on fractions(comparing, ordering and equivalent fractions). These labs brought hands on activities to the students of Valley Stream 30 in areas that consistently present as an area of weakness.



Monitor K-6 Math core curriculum implementation with a focus on the (8) Mathematical Practices with district-wide fidelity. (Phase: Implementing)

2016-2017 ANNUAL UPDATE

Curriculum

- We continue to use both Eureka math modules and McGraw Hill My Math as the core mathematics program.
- In grades 3-6, Triumph Performance Coach is used as a supplemental resource.
- Teachers in grades K-6 have been provided supplemental problem solving tasks from Exemplars and the Eureka Modules to increase the level of rigor with word problems.
- Instructional Technology: Along with district-wide programs for Tier 1 RTI(eSpark and Think Through Math) teachers have been exploring with Zearn(a free web based program for grades K-5, aligned with the Eureka modules) and Prodigy(a free web based math game site that can be programmed to align with the clusters of the CCSS).
- Teachers in grades K-2 have incorporated more hands on centers and activities into their daily lessons. All three grades have requested additional manipulatives and math center materials.

Monitor implementation of before, during, and after school Math Response to Intervention/ Academic Intervention Services. (Phase: Implementing)

2016-2017 ANNUAL UPDATE

Current Programs

- 4 Math AIS specialists district-wide.
- A Majority of our students receiving Tier 2 math intervention services are using Math iXL. This is a web based program where the interventionist assigns a specific skill to a student to work on. The teacher can view student progress in real time on their own computer screen.
- In classroom Tier 1 and 2 math programs include Think Through Math, eSpark and My Math Response to Intervention. This year we have piloted Xtra Math and Reflex for additional support with basic math facts.
- We tried the math component of aimsweb Plus for progress monitoring for Tier 2 and Academy progress monitoring.
- In before and after school programs teachers used the Triumph Common Core Clinics workbooks and Think Through Math as resources for their students.
- We expanded the use of RTIm Direct this year. This was the second year for reading and math teachers using the on-line system and the first year for most of our classroom teachers.

Monitor implementation of before, during, and after school Math Response to Intervention/ Academic Intervention Services. (Phase: Implementing)

2016-2017 ANNUAL UPDATE

Looking Ahead

- Adding onto our current Tier 2 RTI programs for our during the day RTI services. Teachers are currently piloting ALEKS with one group (3rd, 4th and 5th grade) in each of the 3 buildings. This is a web based program that designs an individualized program based upon an initial assessment, but also allows teachers to assign specific standards. Students also have the opportunity to work on fluency skills within this program. In addition to ALEKS, we have purchased text materials to support students in specific units (i.e. Estimation, Geometry... of math.
- Our after school academy program for next year will have a new resource "Supporting the Standards: Target Foundational Mathematics". This resource has built in assessments, which will allow academy teachers to progress monitor and provide specific data based upon a given unit of study.

How Are We Doing?

GOAL 1: "To enhance our core CURRICULUM, enabling Valley Stream #30 students to develop 21st century skills that promote life-long learning."

Mathematics

Process Objectives	Met	Partially Met	Did Not Meet
Monitor K-6 Math core curriculum implementation with a focus on the (8) Mathematical Practices with district-wide fidelity.	✓		
Monitor implementation of before, during, and after school Math Response to Intervention/ Academic Intervention Services.	✓		