

Math Program Review:

Monthly Update

July, 2019



Three Phases of Math Improvement

Phase 1: (Current - August, 2019)

Curriculum Improvements

Support for 8th Grade Students

Professional Development

Phase 2: (September, 2019 - August, 2020)

Complete Needs Assessment

Source Curriculum to Meet Needs

Train Teachers

Phase 3: (August, 2020 - June, 2021)

Implement New Curriculum

Assess Effectiveness



Phase 1 Work Plan: April - August, 2019

1. Analyze and Revise Pacing Calendars
2. Revise Assessments
3. Address Homework
4. Inform Parents About Progress
5. Provide Support for Current 8th Graders
6. Offer Professional Development



Status of Activities in Phase 1 Work Plan

Each activity is coded:

- ✓ = completed
- = underway
- ☐ = planned



Analyze and Revise Pacing Calendars

A decorative border on the right side of the slide features various hand-drawn icons in blue. These include a beaker with bubbles, a calculator, an atom, a microorganism, a graph with a bell curve, a globe, a rocket, a lightbulb, a book, a pi symbol, a heart rate line, a pill, a brain, a DNA helix, a water molecule (H2O), a planet with a ring, a magnet, a hexagonal chemical structure, a test tube with a drop, a star, a square root symbol (√2), a lightbulb, a book, a pi symbol, a heart rate line, a pill, a brain, a DNA helix, a water molecule (H2O), a planet with a ring, a magnet, a hexagonal chemical structure, a test tube with a drop, a star, a square root symbol (√2), and the equation E=mc².

Elementary

- ✓ Revised drafts will be completed by math interventionists led by consultant Kristen Clegg (May 20 – 24)
- ✓ Teacher representatives will provide feedback on revised draft in June
- ✓ Revised calendars ready for Day 1 of next school year

Junior High

- ✓ Math Instructional Specialist will lead this work with junior high teachers in July and August
- ✓ Revised timelines ready for Day 1 of next school year

Elementary

- ✓ Revised drafts of summative assessments will be completed by math interventionists led by Kristen Clegg (May 20 – 24)
- ✓ Teacher rep feedback on revised draft in June
- ✓ Revised assessments ready for Day 1 of next school year

Junior High

- Math Instructional Specialist will lead this work with junior high teachers in July and August
- Revised assessments ready for Day 1 of next school year

- ✓ Task force in May to define purpose and guidelines for elementary homework
- ✓ Teacher representatives will create a math homework bank in June and July for teachers to access throughout the school year

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Informing Parents

Elementary and Junior High

- ✓ NWEA Administration in mid-May
- ✓ Results sent to parents with our cover letter; “Office hours” for parents with questions in June or August

Elementary

- Teacher representatives will create parent letters to be sent home before every unit
- Homework will be used to communicate what students are learning

Junior High

- ❑ PSAT Training for teachers in August
- ❑ PSAT Parent workshop in September



Support at NBJH

- ✓ Math support to reinforce skills and further develop mastery of the standards in the Core Math curriculum
 - Small group support two times per week during X-Block
 - ALEKS, an online math program

Support at GBN

- ✓ Introduction to Algebra, a 3-week summer course, during Session 1 of summer school. Introduction to Algebra is available to all GBN incoming freshmen that are registered for Algebra G 163.

- Kristen Clegg, math consultant and trainer
- ✓ Math Instructional Specialist
- Tap into expertise of our own teachers, math interventionists, gifted and talented teachers
- Summer professional development catalog: 13 math sessions
- Participation on the work teams strengthens our professional expertise
- ☐ Support for teachers' learning team time to do impact work