

Update on PREK-8 MATH PROGRAM REVIEW

A presentation to
the Public Schools of
Brookline School
Committee
Thursday, December
6, 2018

WHERE ARE WE IN THE MATH PR PROCESS



WHERE ARE WE IN THE MPR PROCESS



2018-19 COMMITTEE MEMBERSHIP

Parents

- ❖ Cherita Cloy, Coolidge Corner School parent
- ❖ Alissa Greenwood, Runkle parent
- ❖ Aaron Hoffman, Pierce parent
- ❖ Faiza Khan, Driscoll parent
- ❖ Wadner Oge, Coolidge Corner School parent

Teachers

- ❖ Valia Bourmpoula, MS math teacher, Heath
- ❖ Emily Redburn, 1st grade teacher, Heath
- ❖ Karen Shashoua, 2nd grade teacher, Heath
- ❖ Natalie Dean, New Teacher Mentor
- ❖ Alison Hansel, Math Specialist, Pierce
- ❖ Hilory Paster, Math Specialist, Lincoln
- ❖ Katy Reilly-McGraw, Math Specialist, Lawrence

District Administrators

- ❖ Nicole Gittens, Deputy Superintendent of Teaching and Learning
- ❖ Kathleen Hubbard, PreK-8 Mathematics Coordinator (Content Facilitator)
- ❖ Josh Paris, Math Department Chair, Brookline High School
- ❖ Margaret Eberhardt, Early Education Coordinator
- ❖ Meg Maccini, Senior Director of Programs (Process facilitator)
- ❖ Mary Brown, Senior Director of Teaching and Learning

2017-18 Committee Members

- ❖ Nadine Eckstrom
- ❖ Vicki Milstein

CENTER FOR COLLABORATIVE EDUCATION

The Center for Collaborative Education (CCE) Research, Evaluation and Policy team have been critical partners in the collection, review and analysis of data.

Andresse St. Rose, Senior Director of Research, Evaluation and Policy
Michael Berardino, Senior Associate, Research, Evaluation and Policy

- Principal focus group conducted
- (3) Parent focus groups conducted
- Prek-8 parents surveyed
- All PSB 7th grade students surveyed
- Document review including disaggregated student data on enrollment and performance over time
- All data CCE collected is being analyzed and compiled into a final report, which will be included in Phase I report.

WHAT HAS TAKEN PLACE?

Program Review Committee

- Met monthly since January 2018
- Reviewed research and effective math teaching practices
- Started draft on a new vision for prek-8 mathematics
- Reviewed district data and developed areas for further inquiry
- Hosted Program Review Committee Open House for Brookline Parents and School Committee members to meet committee members
- Conducted classroom visits to Newton Public Schools and PSB math classrooms

Center for Collaborative Education

- Reviewed all the data collected from staff and student surveys. Conducted parent focus groups.
- Presented initial report on findings to Program Review Committee
- In process of analyzing data from PreK-8 parent survey (open for 8 weeks- closed November 30)

COMMUNITY PARTICIPATION & COMMUNICATION

There are four key ways that community members have had input thus far into the PreK-8 Math Review Process:

1. Parent/stakeholder focus group conducted with CCE
1. Parent/stakeholder survey
1. Held open forum to hear update on committee work May 30
1. Process updates shared via PSB Website

DELIVERABLES

From 2/1/18 presentation to School Committee

By July 2018, we will...

- Have a clear vision statement for preK-8 Mathematics education for the Public Schools of Brookline students (Still in development 12/3/18)
- Present preliminary findings and outline for Phase 1 report
 - June 2018: Initial update provided to Curriculum Sub-Committee
 - July 2018: Written update to full School Committee
 - October 2018: Status update provided to Curriculum Sub-Committee

By the end of December 2018, we will...

- Publish Phase 1 report (Revised timeline February 2019)
- Begin the Phase 2 action plan (To begin in January 2019)
- Share recommendations and budget implications
 - (Revised to occur by May 2019 per Superintendent's goal statement)

RELATED WORK IN SUPPORT OF PROGRAM REVIEW



Program Review

Grade 6-8
Curriculum Material
Review

Spring 2018

Grade K-5
Curriculum Material
Review

Spring 2019

CURRICULUM MATERIALS REVIEW

Identify

- Identify materials used nationally and locally
- Review current research on effectiveness of materials

Review

- Review materials using established criteria
- Synthesize all review data and finalize recommendations

Plan

- Solicit teacher volunteers for pilot of selected materials
- Plan for Professional Development using train the trainer model

Pilot

- Pilot teachers implement the selected materials and provide feedback

NEXT STEPS

PROGRAM REVIEW

- ☐ Complete the Phase 1 Report
- ☐ Identify priorities, actions, timelines and deliverables for Phase II: “Plan”

MATERIALS REVIEW

- ☐ Outline recommendations and budget implications from 6-8 materials review process (January 2019)
- ☐ Complete materials review process for PreK-5 (in process)

Questions and Comments