



The Public Schools of Brookline

Matt Rosenthal

K-8 Math Coordinator

Office of Teaching & Learning

<https://sites.google.com/psbma.org/>

[psb-math-k-5](#)

617-264-6407

The communication below provides important information from the Public Schools of Brookline. Translated versions are available at the following links:

- [Arabic: الرجاء الضغط هنا للترجمة العربية.](#)
- [Chinese: 点击这里查看中文翻译.](#)
- [Haitian Creole: Klike la a pou tradiksyon kreyòl ayisyen an.](#)
- [Hebrew: אנא לחץ כאן לצפייה במסמך בעברית.](#)
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- [Portuguese: Clique aqui para a tradução em português.](#)
- [Russian: Нажмите здесь, чтобы получить доступ к русскому переводу.](#)
- [Spanish: Haga clic aquí para acceder a la traducción al español.](#)
- [Vietnamese: Nhấn vào đây để truy cập bản dịch tiếng Việt.](#)

Dear Parents/Guardians,

Welcome to K-5 Mathematics in Brookline 2021-2022! We are writing to share information about our curriculum and resources for families.

Based on the results of the district's Mathematics Program Review that began in 2017, we are thrilled to be implementing the [Investigations3 Math Curriculum](#) across all grades K-5 this year. Some teachers are beginning *Investigations3* for the first time this year in 2021-22. Other teachers began *Investigations3* last year in 2020-21 amidst the pandemic. A small number of teachers had piloted the program the year before that in 2019-20. Despite some challenges, we are working to make sure teachers receive the support they need to implement *Investigations*.

Investigations3 is a focused, coherent, and rigorous K-5 mathematics curriculum that is fully aligned to the [MA content and practice standards](#). Deep and careful attention is paid to mathematics content and to student thinking and understanding. Making sense of mathematics is the heart of the work for both students and teachers. The instructional routines, activities, and engagement strategies built into *Investigations* have been designed to support all learning profiles, and naturally embed social-emotional learning principles.

(Source: https://investigations.terc.edu/the-curriculum/highlights_of_inv3/)

The curriculum embeds:

- A balance of conceptual understanding, procedural fluency, and application within units

- Core student mathematical practices that focus on reasoning, communication, and sense-making
- Opportunities for learning about student thinking within and across lessons and units
- Meaningful review and practice through routines, Ten-Minute Math activities, games and practice problems/homework
- Professional development resources to support teachers in their ongoing learning about content, practices, and pedagogy

Assessments are regularly embedded within the *Investigations3* program as well. Teachers learn what students' current thinking is by using these embedded resources. It is our intention to use a strengths-based approach, that is, getting to know what students are able to do rather than identifying gaps. The [Investigations blog posts](#) from last year are also a good reminder of starting the year with an asset-based approach, focusing on what students can do and the learning that occurred last year.

We encourage you to examine the plethora of [Investigations At-Home Resources](#) provided:

- [Digital Math Tools](#)
- [Suggestions from the field](#) for doing interesting, engaging math at home
- [Investigations Games](#) and other examples of games
- [At-Home Activities from Investigations](#)
- [Math Words and Ideas](#) explanatory videos
- And more...

As always, please reach out to your student's teacher if you have any questions or concerns about math learning. Thank you for your support as we work collaboratively to bring about high-quality mathematics teaching and learning for all students.

Sincerely,
Matt Rosenthal, K-8 Math Coordinator