

Medford Lakes School District

6-Year Implementation Plan

for Mathematics*

June 12, 2019

**Presented by Carole Ramage, Director of Curriculum/Nokomis Elementary School Principal
on behalf of the 2019 Math Committee to the Public & Board of Education**

2019 Math Committee

Jen Martinez, First Grade Teacher

Kathy O'Brien, Middle School Math Teacher

Carole Ramage, Director of Curriculum/Nokomis Principal

Brittany Reid, Middle School Math & Special Education Teacher

Michelle Strong, Basic Skills Teacher

*** The plan was approved
by the Medford Lakes
Board of Education at the
public meeting held on
June 12, 2019**

What were we looking for in a math program?

- **Alignment to NJSLS “New Jersey Student Learning Standards” for Math**
- Easy to follow - “teacher friendliness”
- Pacing that is “realistic”
- **Editable assessments and worksheets**
- **Special Education “supportive”** - modifications/accommodations embedded within each lesson; clearly defined opportunities for leveled learning and reteaching
- Enrichment opportunities for all lessons
- Materials for use during “math centers”
- Online games that are meaningful
- **“Diagnostic capabilities”** - assessment online for data tracking, creation of groups for differentiated instruction, creation of an “individual instructional path” for remedial support for use both in the classroom and in basic skills
- **Google Classroom compatible**

(bold font indicates importance)

What were we looking for in a math program? (cont.)

- “Engaging” for students
- **Support provided by company** - professional learning that is supportive and ongoing as needed by staff
- “discourse cards” - “newer math ideas and practices” ----- “best practice that is research-based” instruction geared to problem solving
- “Rigor” to fully prepare our students to meet the challenges of the NJSLA “New Jersey Student Learning Assessment (formerly known as PARCC) and beyond
- **SMARTBoard/whiteboard lessons - available and editable**
- Problem based learning and/or project based assessments
- **“Exemplar” Rating - “EdReports”**

(bold font indicates importance)

What were the four math programs that the committee reviewed?

- **Big Ideas (eliminated)**
- **enVisionMath**
- **Math in Focus (eliminated)**
- **Ready Classroom Mathematics**

The Math Committee members participated in two full days of presentations with Evesham Township and Medford Township on 3/26/19 and 4/4/19. As a result of these presentations, two of the four programs were eliminated from consideration.

Why did we eliminate two programs after the presentations?

Big Ideas

Publisher: "Ron Larson Publications"

Year of Publication: 2019

- **Not aligned to NJSLs for Math**
- **Program not yet completed** - expected to be ready in September 2019
- Minimal materials
- Errors in games not working properly - online not fully functional at this time
- Quizzes had to be created from scratch
- "Old school" ... "traditional feel"
- **Differentiated instruction appears to be an "after thought"** in the program
- Number of lessons - pacing too rigorous and "not realistic" (example 153 lessons for grade 5)
- Little emphasis on problem based learning
- **Low "rating" from edreports.org**

Math in Focus

Publisher: "Houghton Mifflin Harcourt"

Year of Publication: 2019

- **Not aligned to NJSLS for Math**
- Lack of games
- Why do they still have a transition guide from prior program? Gave committee the impression that they were still "adding" to the program.
- "traditional feel" - very similar to the current edition (currently used by Evesham)
- **No data tracking capabilities**
- Concern for pacing - lessons added for middle school
- **Low "rating" from [edreports.org](https://www.edreports.org)**

What is edreports.org?

EdReports.org is an independent nonprofit designed to improve K-12 education. EdReports.org increases the capacity of teachers, administrators, and school leaders to seek, identify, and demand the highest quality instructional materials.

At the heart of EdReports is a commitment to a **“by educator, for educator instructional materials review process”**. Educators design the review rubrics and educators meet over several months to examine materials, gather evidence, and come to consensus on scoring recommendations.

Educators are leading the way to support teachers with the tools and resources they need to ensure that all students are college and career ready.

This is a link to the edreports.org main page:

<https://www.edreports.org/>

This is a link to the edreports.org comparison of reviewed math programs:

<https://www.edreports.org/compare/results/math-k8>

What were the two programs in the final round of consideration?

- enVisionMath
 - *Year of Publication: 2020*
 - *Publisher: "Pearson"*
- Ready Classroom Mathematics
 - *Year of Publication: 2020*
 - *Publisher: "Curriculum Associates"*

enVisionMath 2020

Publisher:
“Pearson”

Year of Publication:
2020

1. Are all of the enVision 2020 materials available or are some grades still in development?
“All grades will be ready for “back to school” 2019”; it was unclear to the committee if there is an exact date
2. What is the newest year of publication? 2020
3. Can you send us an alignment document for enVisionMath 2020 with NJSLS?
“We are at the beginning of alignment therefore, only a select few state alignments have been completed”. As per the sales representative, “As soon as there is an alignment document for New Jersey, I will pass that along”
4. What grade levels does the program go to? K-5
5. Is there an accelerated math path for pre-algebra in 7th grade?
“We do have an accelerated grade 7 path to prepare students for Algebra 1”
6. How many PD days come with the purchase and what do they provide the teacher's with?
“The only PD you are able to do for free is “Virtual Program Activation” which you register for on myPearsonTraining.com; other than that we offer on-site professional development for \$1900 and PIE \$2800.”
7. What districts in the south or central Jersey area are currently using enVisionMath 2020? “enVision 2020 is a brand new program; no districts in New Jersey are currently using it because it has not been “rolled out yet”.

enVisionMath 2020

“Pros”

- **Google Classroom link**
- Professional development videos for teachers to access “on demand”
- “3 Act Math”: Step 1 - problem-based learning; Step 2 - visual learning; Step 3 guided practice
- **“Newest” version of current K-5 math program**
- App for home access
- Differentiated instruction options
- **Assessments - many that are editable**
- Opportunities for math centers
- Author Eric Milou - local math expert from Rowan
- Spiral curriculum to ensure repeated exposure
- Consumable workbooks rather than “workmats” for grades K-2

“Cons”

- **New platform “Realize” - completely different from current “SuccessNet” platform**
- Whiteboard lessons for SMARTBoard are not editable
- “Overwhelming” amount of materials
- **No districts currently using because it is a brand new release**
- 45-75 minute lessons for grades 3-5 - not realistic in terms of pacing for a 180 day school year
- Consumable workbooks rather than “workmats” for grades K-2

(bold font indicates importance)

Ready Classroom Mathematics

Publisher:
“Curriculum Associates”

Year of Publication:
2020

1. Are all of the RCM materials available or are some grades still in development? “All of the print materials for Ready Classroom Math are ready. The eBook and a few other digital tools are at the final stages and will be ready for Back to School (anticipated September 2019)”
2. What is the newest year of publication? 2020
3. Can you send me an alignment document for RCM with NJSLs? Alignment to NJSLs received
4. What grade levels does the program go to? K-6 or K-8 “Ready Classroom Mathematics is K-5 program and we have Ready Math in Grades 6-8. Ready Math 6-8 will be updated to Ready Classroom next year (2020)”
5. Is there an accelerated math path for pre-algebra in 7th grade? No - we do not have an accelerated grade 7 path to prepare students for Algebra 1 (please see slide #13 for follow-up to this question)
6. Exactly how many PD days come with the purchase (listed in our quotes) and what do they provide the teacher's with? Curriculum Associates will provide the district with four days of professional development and training
7. What districts in the south or central Jersey area are currently using RCM? Toms River, Carteret, Metuchen, Upper Pittsgrove, and Lawrence Township (Cumberland County)

Ready Classroom Mathematics 2020

“Pros”

- **Diagnostic capabilities** - testing, grouping, personalized path for intervention
- PARCC/NJSLA sample/practice questions
- “Try it, discuss it, and connect it” format for lessons
- Professional development and support for teachers
- **Editable slides for SMARTBoards**
- **“Exit slips/tasks” to assess each lesson**
- **Instructional videos for parents**
- Center activities
- **“Highest rating” from edReport.org**

“Cons”

- Pacing is rigorous - example: 162 days of instruction for kindergarten; **this can be addressed when the curriculum is written**

(bold font indicates importance)

“Accelerated Math Path” for Pre-Algebra/Algebra I in 7th/8th Grade via the Ready Classroom Mathematics Program

“Many students in the U.S. today take Algebra I in the 8th grade, and in some states this is a requirement.”

“The K-7 standards contain the **prerequisites to prepare students for Algebra I by 8th grade**, and the standards are designed to permit states to continue existing policies concerning Algebra I in 8th grade.”

*(page 89 of the NJ Department of Education's
NJSLS for Math)*

What does this mean?

This means that the “instructional path” as per the NJSLS for Math and as fully aligned in the “Ready Classroom Mathematics” program **ensures that our students that follow the math path of instruction using the RCM program beginning in kindergarten will be fully prepared to take Algebra I their eighth grade year.**

It is important to note that this is a “long-range” goal.

Although in the coming years we will see “stronger” math students ultimately we will see this when our incoming kindergarten students enter their eighth grade year.

**The 2019 Math Committee is
“unanimously” recommending**

Ready Classroom Mathematics 2020

Click here for an overview of the Ready Classroom Mathematics program

<https://embed.vidyard.com/share/JjdrPjXxXabCfKwkMdWpbi>

Goals:

Goal #1: No student will have more than two math programs during their 3rd-8th grade education in the Medford Lakes School District

Goal #2: To limit the number of potential “skills gaps” for our students by following a “phased implementation”

Goal # 3: No individual teacher will be asked to learn/teach more than two math programs within this 6 year implementation plan

6-Year Implementation Plan

Grade	Sept. 2019	Sept. 2020	Sept. 2021	Sept. 2022	Sept. 2023	Sept. 2024
K-2	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020
3	enVisionMath 2012	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020
4	enVisionMath 2012	enVisionMath 2012	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020	Ready Classroom Mathematics 2020
5	enVisionMath 2012	enVisionMath 2012	To be determined by January 31, 2021			
6	Big Ideas 2014	Big Ideas 2014	To be determined by January 31, 2021			
7	Big Ideas 2014	Big Ideas 2014	Big Ideas 2014	To be determined by July 1, 2021*		
8	Big Ideas 2014	Big Ideas 2014	Big Ideas 2014	Big Ideas 2014	To be determined by July 1, 2021*	

**Thank you to the members of the
2019 Math Committee for their time and
dedication to the selection process.**

2019 Math Committee Members

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Carole Ramage, Director of Curriculum/Nokomis Principal

Brittany Reid, Middle School Math & Special Education Teacher

Michelle Strong, Basic Skills Teacher

**If you have any questions about this presentation, the selection process, math programming, or curriculum please reach out to
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