Chesterfield Elementary Family Math Night 2023

Math Committee Members

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Thank You

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Agenda

- Welcome
- Introduction
- Session I
 - K-1 model lesson
 - K-1 model lesson
 - \circ K-1 centers
 - 2-3 model lesson
 - 2-3 model lesson
 - 2-3 centers
 - 4-5 model lesson
 - 4-5 centers

- Session II
 - K-1 model lesson
 - K-1 model lesson
 - \circ K-1 centers
 - 2-3 model lesson
 - 2-3 model lesson
 - 2-3 centers
 - 4-5 model lesson
 - \circ 4-5 centers

Implementation of the New Curriculum

- Two year process
- Professional development around best practices
- Materials review and pilot
- Writing of the curriculum
- Implementation

New Materials

• Kindergarten to Fifth Grade - Illustrative Math (Kendall Hunt)



• 6th Grade - Amplify Math (Illustrative Math)





Has math changed?

- Math has **not** changed!
- The way we teach math has changed.
- Moving away from rote memorization of procedures and facts.
- Moving toward a deeper understanding of the concepts and the why behind the math.
- Students are actively working and exploring the math and develop the conceptual understanding.
- Recognizing and celebrating the fact that there is more than one way to solve a problem.



Features of Illustrative Math

- Problem-based learning program where students reason through real-world application of skills
- Engaging for students
- Allows for a deeper conceptual understanding on content
- Exploration of a variety of strategies
- Extends thinking in a way that encourages critical thinking
- Support language development for all students including reading, writing, speaking, listening, conversing, and representing math
- Allows for differentiation during all stages of the lesson



Overall Structure



Typical Lesson Structure K & 1st



Typical Lesson Structure 2nd - 6th





- ★ Invitation to engage in the mathematics of each lesson.
- ★ <u>All students</u> actively participate by sharing their personal experiences, asking questions, justifying their responses.

Warm-Up Routines in Illustrative Mathematics

- ★ Act it Out
- ★ Choral Count
- ★ Estimation Exploration
- ★ How Many Do You See?
- ★ Notice and Wonder
- ★ Number Talk
- ★ Questions About Us
- True or False?
- ★ What Do You Know About ____?
- ★ Which One Doesn't Belong?





Lesson Synthesis and Cool Down

Teachers help students take their new learning and incorporate it into their <u>overall understanding</u> of the concept

A brief <u>independent task</u> that lets the teacher know where the students are in their learning
Offer data to <u>inform</u> instruction

Centers

- ★ A meaningful way to <u>practice</u>, build fluency, develop current math concepts and preview upcoming content
- Each center builds across multiple <u>stages</u>, spanning several grades
 - Offers <u>flexibility</u> as a teacher
 - Structure
 - K&1st = built into daily lessons
 - 1st 2nd = center day at the end of each section or unit (optional days)
 - 3rd 5th = in addition to lessons (as desired by teacher)

Caregiver Supports

- ★ Amplify Caregiver Hub
- ★ Amplify Caregiver Support Material and Letter
- ★ IM Family Guides to Warm-up Routine
- ★ IM Family Support Materials



Session Attendance

- Session I and II are identical
- You will choose which grade level and whether you wish to see centers or a lesson
- Each adult will get a ticket for each session
- Students should not take tickets they will attend the session with their adult
- You can choose two sessions for one grade level or attend one session for two different grade levels
- The room numbers are on your tickets and the brochure
- Signage has been placed all along the hallways and there are people to assist







K-1 CENTERS WITH MRS. RIGOLIZZO

4-5 CENTERS WITH MRS. PRINCE

