

Additional Documents
Math Curriculum Adoption
Meeting #3

Points to Consider	Positives - What works well here?	Changes - What could be improved?
☐ Standard Alignment		
☐ Learning Objectives		
☐ Conceptual		
☐ Procedural/Fluency		
☐ Application		
☐ Gifted, SpEd, EL		
☐ Differentiation		

1. Teaching Methodology & Approaches

- Modern Classroom
- Teaching how to solve word problems
- Models
- Hands-on activities
- Mix of function problems – error analysis, draw it out
- Differentiated tasks – extension and remediation
- Progression in difficulty
- Exploration into concept
- Concept maps (unit, lesson, other views)
- Versatility
- Conceptually driven with a good balance of procedural fluency
- Variety of teaching methods
- Varied activities
- Videos and demo lessons
- Thought-provoking questions
- Guiding questions
- Sentence stems for discourse (verbal and written)
- Teaching tricks – songs, acronyms, whole body learning
- Games, centers, brain teasers
- Engaging activities
- Manipulatives and visuals
- Explorations and investigations
- Questions to prompt conversation
- Activities for student autonomy
- Gamification or competition
- Support for meaningful discourse
- Timely feedback during practice
- DOK 1-3 questions
- Fun projects and extension activities
- Actually cool projects
- Timely feedback

2. Student-Centered Learning

- Dual language components
- Opportunity to correct and learn from mistakes
- Learn with examples and videos
- Ease of differentiation
- Fits diverse needs of students
- Exploration and leadership opportunities
- Students' self-reflection and self-assessment
- Student engagement opportunities, resources, and ideas
- Productive struggle
- Connection to future applications or real world
- Connection to soft skills
- Entertaining tasks, involvement
- Students' workbooks
- Practice pages with substance
- Problems written in a variety of ways
- Build student confidence
- Problems that encourage perseverance
- More opportunities for productive struggle
- Notebooking
- Spiral learning
- Manipulatives
- Real-world stuff
- Real-world connections to careers or life
- Precision
- Videos for new concepts
- Student self-reflection
- Leveled questions

3. Differentiation & Accessibility

- Consumable materials
- Differentiated tasks- extension and remediation
- Scaffolding
- Built-in remediation and extension
- EL supports
- Tiered materials
- Resources for dual language supports
- Resources for Sped for essentials
- Pre-tiered curriculum
- Pacing options
- Digital and hard copy options
- Stepped out examples
- Scaffolded
- Guided notes
- Printable manipulatives
- Resources for differentiation
- Embedded use of manipulatives
- Physical teacher edition
- Multiple versions of assessments
- Editable tests
- Teacher resources
- Resources to differentiate
- Online tools that provide timely feedback and support
- Multiple opportunities for practice
- Problems for remediation
- Alternative assessments
- Resources for differentiation

4. Teacher Support & Professional Development

- Teacher training – ongoing and for new hires
- Teacher training videos
- New teacher supports – build concept knowledge
- Parent resources
- Teacher needs

- Easy to follow for teachers
- Easy to use teacher manual
- Teacher edition
- Teacher resources
- Teacher resources for lesson creation
- Online interface for teachers
- Teacher support for creating lessons and assessments

5. Curriculum Design & Structure

- Real-world application (not just word problems)
- Standards-based assessments
- Assessments aligned to standards, visible to students
- Question bank to build assessments
- Spiral review in lessons and tests
- Fluency practice
- Real-world practical connections
- Meets standards
- Leveled questions
- Bank of practice questions
- Assessments – variety of types of questions and levels of difficulty
- Assessments for retesting
- Real-world connection at the start of lesson
- Realistic pacing guide
- Thin-sliced lessons
- Entry tasks
- Questions that are relevant to the real-world
- Procedural fluency
- Vocabulary
- Representation of diversity
- Flipped classroom support
- Represent diverse student needs

6. Resources & Materials

- Digital homework
- Online components (translated)
- Printable manipulatives
- Online resources
- Slideshows and teaching resources already created
- Online resources
- Videos
- Digital links to similar questions for remediation
- Manipulatives
- Student workbooks
- Practice pages
- Project ideas
- Printable resources
- Tools to monitor student understanding
- Games
- Online tools
- Resources for parent supports for homework and math connections at home

7. Student Assessment & Feedback

- Assessments aligned to standards, visible to students
- Assessments – variety of types of questions and level of difficulty
- Options for retesting
- Spiral review and warm-up options
- Multiple versions of assessments
- Editable tests
- Assessments for retesting
- Options to build high-quality assessments
- Tools to monitor student understanding
- Online tools that provide timely feedback and support

8. Technology Integration

- Digital homework
- Online components (translated)
- Digital and hard copy options
- Online resources
- Better online interface for teachers and students
- Student-friendly tech interface
- Online is user-friendly for teacher and students
- Digital links to remediation
- Online tools that provide timely feedback and support

9. Real-World Connections & Applications

- Real-world application (not just word problems)
- Real-world connections to careers or life
- Questions that are relevant to the real world
- Real-world practical connections
- Real-world stuff
- Real-world connections at the start of lessons
- Problems written in a variety of ways (real-world context)

10. Parent & Community Involvement

- Parent resources
- Parent supports
- Parent supports for homework and math connections at home

1. Teaching Methodology & Approaches

- Emphasizes diverse teaching strategies for engaging students.
 - Focuses on hands-on activities, visual aids, and manipulatives.
 - Encourages critical thinking, problem-solving, and productive struggle.
 - Promotes student autonomy through exploration and guided tasks.
 - Includes timely feedback, fun projects, and games to maintain engagement.
 - Balances conceptual understanding and procedural fluency.
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2. Student-Centered Learning

- Puts students' needs, preferences, and growth at the center of instruction.
 - Encourages self-reflection, perseverance, and confidence building.
 - Uses real-world connections to make learning meaningful.
 - Provides a variety of tasks and challenges tailored to different learning levels.
 - Focuses on engagement through exploration, example-based learning, and practice.
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3. Differentiation & Accessibility

- Offers tiered materials and scaffolded tasks to meet diverse needs.
 - Provides varied assessments and tools for different learners (e.g., EL, SPED).
 - Includes resources like guided notes, manipulatives, and digital options.
 - Ensures built-in remediation and extension opportunities.
 - Aims to make learning accessible to all students, regardless of ability.
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4. Teacher Support & Professional Development

- Supports teachers with ongoing training and resources.
 - Provides clear instructional guides, videos, and manuals.
 - Ensures teacher materials are user-friendly and adaptable.
 - Offers parent resources to align home and school learning experiences.
 - Prioritizes professional development, especially for new teachers.
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5. Curriculum Design & Structure

- Aligns with standards and emphasizes real-world applications.
 - Utilizes spiral learning for continuous review and reinforcement.
 - Breaks lessons into manageable, thin-sliced segments for ease of understanding.
 - Provides varied assessments (different question types, difficulty levels).
 - Ensures a realistic and adaptable pacing guide for different learning speeds.
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6. Resources & Materials

- Offers a wide range of materials (digital tools, printed resources, pre-created slides).
 - Uses games, manipulatives, and practice pages for hands-on engagement.
 - Provides resources for both teachers and students to facilitate learning.
 - Ensures resources are adaptable to different teaching contexts and student needs.
 - Digital tools should enhance learning through real-time feedback and differentiation.
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7. Student Assessment & Feedback

- Uses varied assessments that align with standards and reflect real-world scenarios.
 - Offers opportunities for retesting and continuous review.
 - Provides targeted feedback to guide student improvement.
 - Implements different assessment types (e.g., written, digital, practical).
 - Ensures assessments are designed to promote learning and not just evaluate.
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10. Parent & Community Involvement

- Involves parents in supporting student learning, especially at home.
 - Provides resources to help parents reinforce classroom learning.
 - Promotes clear communication between school and home.
 - Encourages community engagement to strengthen the learning environment.
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8. Technology Integration

- Leverages technology to enhance teaching and learning.
 - Focuses on user-friendly digital platforms for both students and teachers.
 - Uses digital homework, translated resources, and online assessments for accessibility.
 - Technology should complement and support in-class learning experiences.
 - Provides tools that streamline the learning process and offer real-time feedback.
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9. Real-World Connections & Applications

- Ensures content is connected to real-world applications and future career paths.
 - Uses problems and tasks based on real-life contexts to increase relevance.
 - Encourages critical thinking and problem-solving related to real-world challenges.
 - Focuses on making learning practical and applicable outside the classroom.
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