MS Materials Matter

Translating Great Materials into Great Instruction

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State Board of Education STRATEGIC PLAN GOALS



ALL Students Proficient and Showing Growth in All Assessed Areas

EVERY School Has Effective Teachers and Leaders





EVERY Student Graduates from High School and is Ready for College and Career

Uses a World-Class Data System to Improve Student Outcomes





EVERY Child Has Access to a High-Quality Early Childhood Program

EVERY School and District is Rated "C" or Higher





VISION

To create a world-class educational system that gives students the knowledge and skills to be successful in college and the workforce, and to flourish as parents and citizens

MISSION

To provide leadership through the development of policy and accountability systems so that all students are prepared to compete in the global community







HOIM IMPLEMENTATION >

TEACHING IS CHALLENGING; HIGH-QUALITY MATERIALS CAN MAKE IT EASIER.



Many schools do not provide teachers with instructional materials that meet student needs, and teachers must fill the gaps. 73% of U.S. teachers say they use materials found online more than they use hardcover textbooks. More than 93% of teachers report frequently using their own or locally developed

If you would like to be a part of the MDE Instructional





SCAN to visit site

msinstructionalmaterials.org





FAR TOO FEW

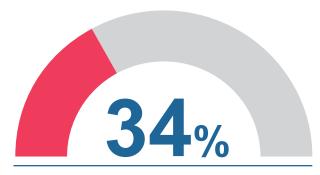
students leave their K–12 experience equipped with the knowledge and skills to succeed.

TNTP. (2018). The Opportunity Myth: What Students Can Show Us About How School Is Letting Them

Down—and How to Fix It.

https://tntp.org/assets/documents/TNTP_The-Opportunity-Myth_Web.pdf





District assignments are on grade level



Teacher created/selected assignments are on grade level



Overview & Goals

Purpose of the Series



Session 1

Key Messages and the 8 Elements of Effective Implementation

Session 2

Deep Dive into Elements 3-5 and 8

Session 3

Deep Dive into Elements 6 and 7

Sessions 4-5

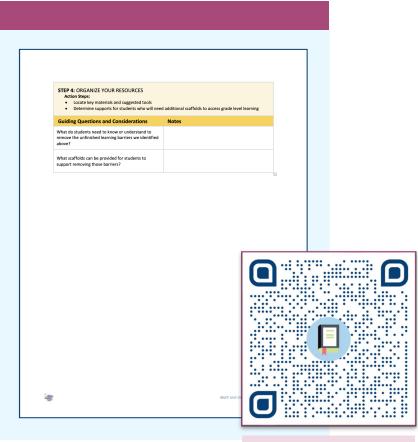
Demo Unit
Unpackings:
ELA and Math





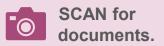


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Page 1

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Introduction to the Unit Internalization

The Teacher Experience





Happens 1-2 weeks prior to teaching each unit



An opportunity to do important math tasks



Get clear on student outcomes for the unit



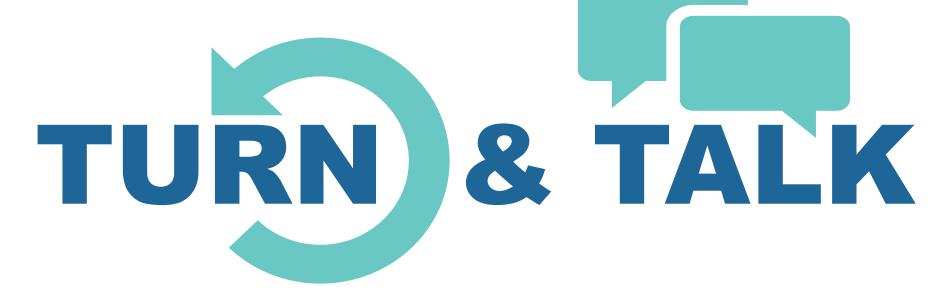
Gain understanding of how the learning will build over the unit



Gain understanding of the models, representations, and strategies that will be used







- In your building previously, what have teachers done to prepare for teaching an upcoming unit?
- What do you hope might be different about unit internalization if teachers planned for a unit in the way laid out here?







Teachers: Better understanding leads to better decision making



Leaders: Helping to build a vision



Leaders: Better understanding leads to better decision making





ELEMENT 6: The system and school team supports collaborative planning using high-quality instructional materials





Outcome 1

To understand the big ideas of the topic

Outcome 2

To be able to articulate how learning progresses across the lessons of the topic

Outcome 3

To gain an understanding of how the strategies, representations, and models are used to build understanding of **ALL** students

Outcome 4

To reflect on the impact of unit unpacking on teaching and learning









Math Background and Focus for Grade 3 Topic 3



MS Grade 3 Math Standards



Topic Planner for Topic 3



End of Topic Assessment for Topic 3









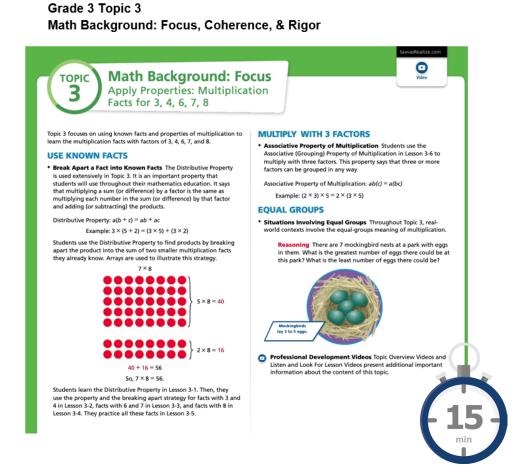
Diving into the Protocol



A

DIRECTIONS

- Read the following: Math Background
- In Breakout Rooms: Discuss and capture notes on discussion questions
- 3. Record your group's thinking in the Jamboard







What are the big ideas of the topic (unit)?



What strategies, models and/or representations will students be using in this unit to build their understanding?



What possible connections do you see between the content of this topic (unit) and the content of previous or upcoming topics?







How did synthesizing the unit narrative, talking through the big ideas and connecting those to the standards give you a clearer picture of the unit as a whole?







TEACHERS:

- Anticipate possible student strategies and misconceptions
- Ensures they are clear on the math themselves



LEADERS:

 Ensures a clear vision for the process, and understanding of the "why"





DIRECTIONS

- Read lesson objectives in Topic Planner
- 2. Do the math of the Topic 3 assessment (2, 3, 6, 8, 11 & 12)
- Discuss in breakout rooms











Select 2-3 problems to discuss

How did we approach the problems? How might students approach the problems?



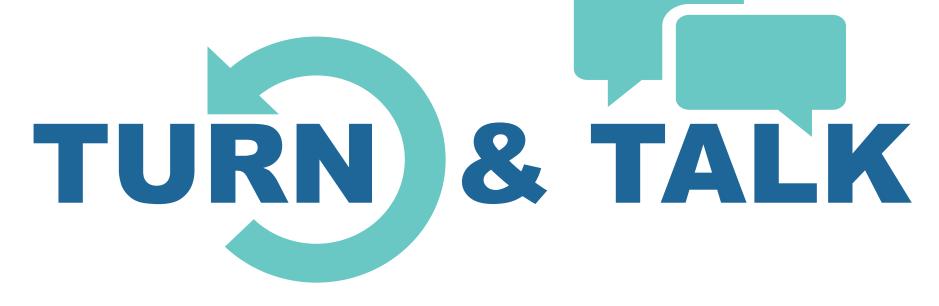
How do we see the big ideas being developed in this topic?



How does the progression of learning support students in understanding the big ideas of the unit?





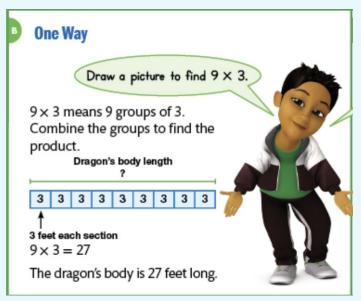


How did doing the math help your group to have a better understanding of the progression of learning in the unit?

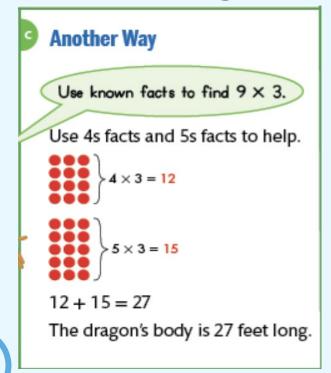








Another Way



Expressions and Equations

$$(4x3) + (5x3) = 27$$

$$9 \times 3 = 27$$







How do each of the strategies, models and/or representations support students in understanding the big ideas?



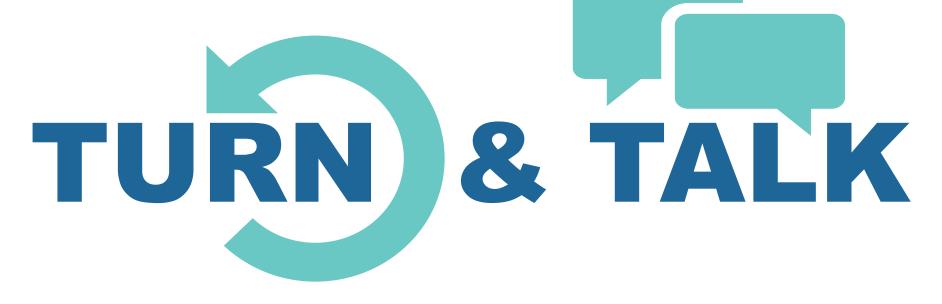
How can we use these strategies, models, and/or representations to provide grade level access for all students?



What additional scaffolds might students need to access this topic?







How did this portion of the protocol help you to better understand the ways in which the representations, strategies, and/or models build across the unit?





Wrap-Up Talk

Things to Consider







How would going through that process help you to feel more prepared to go teach this unit?



What impact would going through this process have on teachers and students in your building?



What might be some obstacles to implementing this structure with teachers in your building?





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