The Intersection of Equity and Math

UnboundEd Virtual Summit Day 1 Kindergarten - Grade 5 Summer 2020

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By the e	end of this session			
	01	02	03	
	Examine	Identify	Consider	
	the effects of teacher choices on math instruction.	the impact of unconscious bias on access to grade-level math content for students of color.	instructional decisions to help students access grade-level math content during and after the COVID-19 pandemic.	





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Unconscious Bias

refers to the <u>automatic</u> and <u>unconscious</u> stereotypes that drive people to <u>behave</u> and make decisions in certain ways. It is the mind's way of making uncontrolled and <u>automatic associations</u> <u>between</u> two concepts very quickly.













The Shifts		
1.Focus	Focus strongly where the Standards focus.	
2. Coherence	Think across grades, and link to major topics within grades.	
3. Rigor	Pursue conceptual understanding, procedural skill and fluency , and application with equal intensity.	
Source: "The Shifts," by Student Ach ≇@unboundedu	ilevement Partners, https://achievethecore.org/category/419/the-shifts.	Unbound Ed













Rigor Unpacked "Rigor refers to deep, authentic command of mathematical concepts, not making math harder or introducing topics at earlier grades." Math Rigor Understanding Unde

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ву тпе е	the end of this session				
	01	02	03		
	Identify	Leverage	Plan		
	the difference between instructional supports and modifications.	the mathematical shifts to provide grade- level content.	an approach for accelerating students who experienced unfinished instruction.		
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This daily re-engagement of prior knowledge in the context of gradelevel assignments will add up over time, resulting in more functional learning than if we resort to watered down instruction or try to reteach topics out of context.



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Identify Prerequisites and Key Knowledge

- Use the coherence map and lesson guidance to identify prerequisite standards.
- Determine which one support the grade-level standards the best, and also note when it would have been taught in the previous grade.

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Assessment designed to support and be in curriculum a	ntegrated with recommended approach to ad instruction	
Has These Characteristics	Does Not Have These Characteristics	In the chat:
Integrated with model of carriculum and instruction that moves students to learning essential on-grade content as quickly as possible	Assessed in a model that the entire or substantial portions of the previous set of content standards and/or curriculum be re- tanght prior to going on to the fall 2020 on- grade content - Informs an extensive "remediation first" instructional strategy	What would be the benefits of using these types of assessments?
Administered "just in time"	Assess once for the entire year at the beginning of the year	
Thin and lean: focused on the essentials of the on-grade content to be learned and coordinated with the on-grade curriculum	Take place in a survey assessment covering the previous year's entire set of content standards	types of assessments.
Largely formative in nature, administered by and for the teacher	Largely summative in nature, e.g., standardization, external control	
Be designed to yield information about student knowledge and performance in primarily content-specific ways	Designed with summative uses prioritized, e.g., yields a scale score, supports comparability, unidimensional construct	
Coordinated with additional assessments during the course of instruction	Free-standing	





















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