

Slide 2

Outcomes

- Raise rigor in classrooms through an understanding of Depth of Knowledge
- Develop an understanding of Webb's Depth of Knowledge
- Explain how DoK impacts instruction

Slide 3

How do you define RIGOR?

- As a table, on the sticky notes provided, define rigor.
- Reflect on the following questions:
 - questions:

 What is the difference between a learning task that is rigorous and one that is challenging?

 How do you know when learning is rigorous for students?



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What is Rigor?

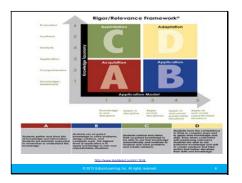
Rigor is the goal of helping students develop the capacity to understand content that is <u>complex</u>, <u>ambiguous</u>, <u>provocative</u> and personally or emotionally <u>challenging</u>.

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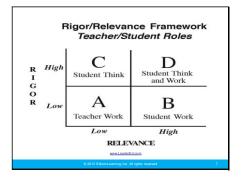
What is Rigor?

• "Learning is optimized when students are involved in activities that require complex thinking and the application of knowledge."

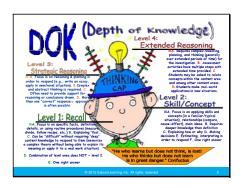
• Hess, Carlock, Jones, & Walkup, 2009



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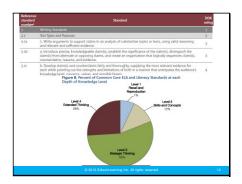
	Level 1	Level 2	Level 3	Level 4
Elementary Intentisciplinary	List the angredients of a peasant butter and jelly sandwich.	Collect the ingredients for a peanut butter and selly sandwich and write the recipe	Investigate how many people are coming to dinner and formulate the appropriate amounts of ingredients for 8 people.	Design a plan to feed the entire class using the following information: one jar of peams butter makes 10 sandwiches, one jar of jelly serves 8, and one load of bread contains 18 slaces.
Middle School Science	Define the following terms: electrical generator, electrical motor, magnetic field, and electrical current	Compare and contrast how an electrical motor operates to how an electrical generator operates.	Design and conduct an experiment to demonstrate that electrical currents produce magnetic forces.	Research and design a system to lift heavy objects using the conversion of electrical energy to mechanical energy. Build a prototype of the system using materials found in the classroom.
U.S. History	Name the U.S. presidents in order	Using the left and right political continuum, categorize the presidents of the 20% and 21% centures according to their political standing	Hypothesize how Dwight D. Eisenhower would react to today's world political situation.	Analyze the strategies and effectiveness of George H. W. Bush's war strategies in the Person Guilf with the war strategies of George W. Bush in Iraq
High School Music	Name several composers from the Baroque and Classical periods.	Describe differences between the Baroque and Classical periods	Critique, compare, and contrast pieces of music from the Baroque and Classical periods.	Choose a period and develop a 16 measure piece of music from that style.

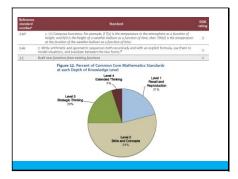
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Evaluating Rigor: Activity

- Use the Cognitive Rigor Matrix in your participant's packet to evaluate the level of each task.
- With a partner, sort the cards according to where each task falls within Depth of Knowledge Matrix.
- Once completed, discuss why you and your partner(s) determined these cards fell within these DOK levels. Reflect upon how each task would look if the rigor were raised or lowered.

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Slide 14

STRIVE HI, SLOs, and Supporting Teachers

- Grades K-2: DoK Level 2 Grades 3-12: DoK Level 3 or 4
- What successes do you foresee for your students/teachers?
- What challenges or misconceptions do you anticipate?
 What resources do you have to overcome those challenges? What resources might you need?
- What could you take away or modify from these activities?
- How do we lead teachers towards rigorous instruction?
 What steps/strategies might be involved? What would be the first step?

Slide 15

Closure

- How would your understanding of DoK help teachers when writing and or evaluating SLOs?
- How would teachers' understanding of Webb's DoK help their students in creating goals?
- How can school leaders recognize, encourage and support rigorous teaching and learning throughout

