

Indicator K2.2 College and Career Readiness Standards for Adult Education

Demonstrates comprehensive knowledge and understanding of the CCRSAE anchor and level-specific standards and the Standards for Mathematical Practice by aligning instruction to the appropriate standards at Levels A through D-E. Instruction regularly reflects the instructional shifts for English language arts/literacy or mathematics, depending on the content being taught.

What Effective Math Teachers Know	What Effective Math Teachers Do	✓ Focus
<p>a. The CCRS AE, including the instructional shifts, the Standards for Mathematical Practice and each program’s scope and sequence provide a framework for planning and designing instruction and assessment.</p>	<ul style="list-style-type: none"> • Become proficient with the CCRS AE for Math and all its components and the program’s scope and sequence through participating in professional development, reviewing and using the documents, and meeting regularly with colleagues to discuss alignment 	
<p>b. The CCRS AE provides a developmental continuum that helps students use their conceptual understanding in various applications.</p>	<ul style="list-style-type: none"> • Choose one topic (such as algebra or data or fractions) and look level by level to see what changes from each level • Review the Overview Grid for the CCRSAE for Math and reference as needed for a quick view of the progressions for the CCRS AE • Download and explore the various developmental continuums for topics such as fractions and number lines that the SABES Math C&I PD Team has developed, then use them to guide teaching 	
<p>c. There are three key CCRS AE instructional shifts necessary to help students become adept at understanding and applying mathematical ideas.</p>	<ul style="list-style-type: none"> • Consider depth over breadth to teach in a more focused manner • Use the CCRS AE to design lessons and activities that offer a coherent progression from level to level • Focus on conceptual understanding, not just procedures • Integrate opportunities for students to apply their understanding and procedural fluency and skill 	
<p>d. The Mathematical Practices (MP) are the heart of the CCRS AE. Without them, students will not become proficient math problem-solvers.</p>	<ul style="list-style-type: none"> • Incorporate specific MPs into each unit of instruction • Provide explicit opportunities for students to apply the MPs as they address challenging problems 	

Notes to self