

Mathematics High-Value Action Tool

Title of Resource: Workwise: Math at Work **Source:** New Readers Press **Date:** 2017

Determine the high-value actions needed to fill gaps for the dimensions that make up each criterion. Identify the high-value action(s) related to each criterion that will strengthen the alignment of the resource to the CCRS. Utilize the “additional notes” section to provide information that would be useful for colleagues considering the resource, including suggestions for supplements to strengthen CCRS alignment.

Criterion #1—Focus: Does the resource focus strongly where the standards focus, including relevant Standards for Mathematical Practice?

<p>Dimension 1.1</p> <p>Major Work of the Level (MWOTL): <i>Most of the resource is focused on the most critical concepts for that level. (Support document: CCR Content Progressions or Major Works of the Level)</i></p>	<p>Dimension 1.2</p> <p>Standards for Mathematical Practice: <i>Each unit meaningfully connects mathematical content with the Standards for Mathematical Practice. (Support document: Standards for Mathematical Practice)</i></p>
<p>Resource Criterion Rating¹: Strong <input type="checkbox"/> Modifications Necessary <input checked="" type="checkbox"/> Weak <input type="checkbox"/></p> <p>High-value actions needed to fill the gaps:</p> <ul style="list-style-type: none"> • Supplement existing problems with additional on-level work tied to the MWOTL. • Modify or add student tasks or activities to help support the development of the Standards for Mathematical Practice. • Additional notes on above actions: There are additional practice pages available on the publisher’s website, but not for all the lessons/chapters. 	

¹Use Mathematics CCRS Alignment Evaluation Tool
Adapted From College and Career Readiness Standards-in-Action and EQuIP Rubric for Lessons and Units: Mathematics
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Criterion #2—Rigor: Does the resource pursue conceptual understanding, procedural skill and fluency, and application with equal intensity?

<p>Dimension 2.1</p> <p>Conceptual Understanding: The resource <i>regularly</i> develops students’ conceptual understanding through tasks, problems, questions, multiple representations, and opportunities for students to <i>write</i> and <i>speak</i> about their understanding.</p>	<p>Dimension 2.2</p> <p>Procedural Skill and Fluency: The resource <i>regularly</i> asks students to perform calculations and use mathematical procedures quickly and accurately.</p>	<p>Dimension 2.3</p> <p>Application: The resource <i>regularly</i> provides opportunities for students to independently apply mathematical concepts in real-world situations and solve challenging problems with persistence, choosing and applying an appropriate model or strategy to new situations.</p>
<p>Resource Criterion Rating¹: Strong <input type="checkbox"/> Modifications Necessary <input checked="" type="checkbox"/> Weak <input type="checkbox"/></p> <p>High-value actions needed to fill the gaps:</p> <ul style="list-style-type: none"> • Add problems or tasks that are good matches to the standards targeted in lesson(s) or units and that focus on the following areas: <ul style="list-style-type: none"> • Conceptual understanding of the MWOTL • Procedural and computational practice • Add opportunities for students to build the capacity to complete mathematical procedures quickly and accurately. • Additional notes on above actions: Many of the methods shown are traditional without explanations as to why they work, or why a calculation strategy is set up the way it is. There is a need for more explanations of the “whys” and “hows”. 		

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Criterion #3—Coherence: Does the resource design learning around coherent progressions between levels and within the level?

<p>Dimension 3.1</p> <p>Coherence <u>Across</u> Levels: The resource <i>regularly</i> relates on-level concepts to knowledge from previous levels and to future learning. <i>(Support document: CCR Content Progressions)</i></p>	<p>Dimension 3.2</p> <p>Coherence <u>Within</u> a Level: Where appropriate, the resource connects two or more standards within a progression, or two or more progressions within a level. <i>(Support document: CCR Content Progressions)</i></p>
<p>Resource Criterion Rating¹: Strong <input type="checkbox"/> Modifications Necessary <input checked="" type="checkbox"/> Weak <input type="checkbox"/></p> <p>High-value actions needed to fill the gaps:</p> <ul style="list-style-type: none"> • Add to lesson(s) or units knowledge and skills from prior levels needed to understand content that students are currently learning. • Identify opportunities where level-specific content supports future learning. • Additional notes on above actions: Most of the units/lessons are taught in discrete chunks with little connection to each other. Coherence between the lessons will need to be made by the instructor. 	

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Criterion #4—Structure, Support and Assessment: Does the resource provide structure and support for standards-aligned instruction and assessment?

<p>Dimension 4.1</p> <p>Instructional Support: The resource is responsive to varied student learning needs.</p>	<p>Dimension 4.2</p> <p>Assessment: The resource <i>regularly</i> provides opportunities to assess whether students are mastering standards-based content and skills.</p>
<p>Resource Criterion Rating¹: Strong <input type="checkbox"/> Modifications Necessary <input checked="" type="checkbox"/> Weak <input type="checkbox"/></p> <p>High-value actions needed to fill the gaps:</p> <ul style="list-style-type: none"> • Identify opportunities and resources for scaffolding, differentiation, intervention and support for students with learning challenges or are struggling to master content. • Identify opportunities and resources for extension and support for students who already know the content. • Develop standards-aligned assessments and rubrics or assessment guidelines that unbiasedly measure a student’s ability to demonstrate targeted standards. <ul style="list-style-type: none"> • Additional notes on above actions: A student’s performance on the lessons could be used as the summative assessment, but including additional assessments beyond the limited lesson reviews at the end of each lesson will benefit students. 	

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