



**Road Map to Doing What Works (dww.ed.gov) Professional Development Materials  
Selected Highlights: DWW Critical Foundations for Algebra**

	<b>LEARN</b>	<b>SEE HOW</b>	<b>DO</b>
	<b>Expert Video Interviews</b>	<b>Videos, Audios, Slideshows</b>	<b>Tools</b>
<p><b>Mathematics Preparation for Algebra</b>  (content)</p>	<p><b>Francis (Skip) Fennell:</b> 1. Overview of foundations 2. Benchmarks 3. Professional development</p> <p><b>Hung-Hsi Wu:</b> 1. Teaching Fractions</p>	<p>1. New Haven (CT) reasons for moving to focused math curriculum 2. Buffalo Grove (IL)--challenges faced in creating K-8 vertical alignment 3. Douglas County (CO) process of developing essential learnings 4. New Haven (CT) seventh grade teacher demon pre-algebra topics 5. Washington DC fifth grade approach to teaching computation; subtracting a fraction from a whole 6. Spokane (WA) using double number lines to teach fractions</p> <p>Plus 5 other media items and the lesson plans for teacher demos</p>	<p>1. Plan for professional development activity/teacher meeting re: the key messages of the NMP</p> <p>2. Summary of how three districts moved toward focused curriculum/discussion plan for adapting strategies</p> <p>3. Match district benchmarks to recommendations of NMP</p>
<p><b>Comprehensive Instruction</b>  (pedagogy)</p>	<p><b>Joan Ferrini-Mundy:</b> 1. Teaching conceptual understanding, computation, and problem solving</p> <p>2. Blending teacher- and student-directed instruction</p> <p>3. Instruction,, inc. real-world problems, calculators</p>	<p>1. Spokane (WA) principal discusses balanced instruction 2. New Haven (CT) specialist teachers demo practice in math 3. Spokane (WA) and Douglas County (CO) slideshows about</p>	