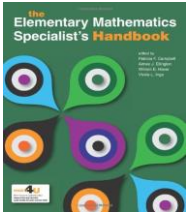
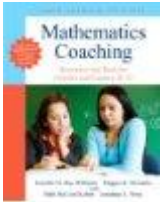

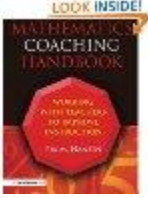
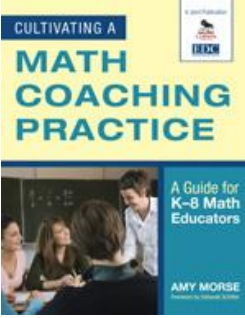
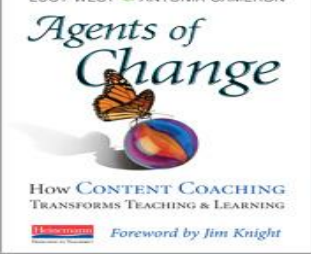
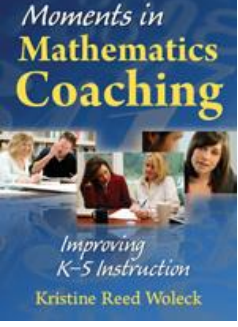
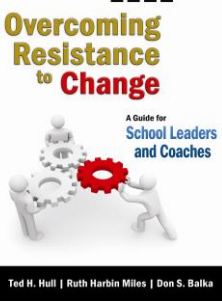


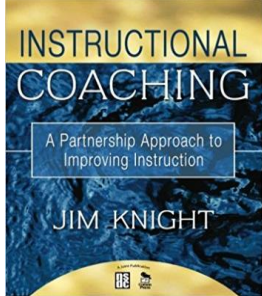
Books on Carrying Out the Roles of a Mathematics Specialist/Coach

The books identified below are specific to mathematics content focused coaching and provide quality information and ideas for mathematics specialists, coaches, and teacher leaders working in schools to support teachers and administrators in their united efforts to improve students mathematics learning.

Click on the book icon to be directed to a page with additional information about the resource. All of these books can be found at book distributors such as Amazon at reduced prices.

	<p><i>The Elementary Mathematics Specialist's Handbook</i>, edited by Patricia Campbell, Aimee Ellington, William Haver, Vickie Inge (2013).</p> <p>Topic specific chapters written by Virginia mathematics specialist, school division leaders, and University faculty engaged with preparing elementary mathematics specialists many responsibilities. Experienced specialists offer tips on gaining teachers trust and access to their classrooms. Vignettes are included in each chapter for real school situations. Special guidance highlights effective collaboration between the principal and the specialist. Also appropriate for middle school specialists.</p>
	<p><i>A Guide to Mathematics Coaching: Processes for Increasing Student Achievement</i> , by Ted H. Hull, Don S. Balka and Ruth Harbin Miles (2009)</p> <p>Based on principles established by NCTM and NCSM, this resource outlines a coaching process for engaging math teachers and fostering productive collaborations that lead to better teaching practice and increased student achievement. Focused on the role of the math coach in transforming mathematics classrooms and ensuring equity.</p>
	<p><i>Mathematics Coaching : Resources and Tools for Coaches and Leaders, K-12</i>, by Jennifer Bay-Williams, Maggie McGatha, Beth McCord Korbott with John Wray (2014).</p> <p>Gives mathematics coaches solid background information and hands-on tools for supporting their efforts to help K-12 teachers effectively teach mathematics in today's diverse classrooms. With its focus on coaching and an actual coaching cycle—planning, data gathering, and reflection—coupled with over 100 ready to use tools for a variety of settings</p>
	<p><i>The Math Coach Field Guide: Charting Your Course</i>, edited by Carolyn Felux and Paula Snowdy (2006)</p> <p>In this edited collection of chapters, veteran math coaches share their expertise, providing glimpses into the unique trials, false starts, and successes they have faced in their positions.</p> <p>Link to Chapter 10,Being a Succesful Math Coach: 10 Principles http://www.mathsolutions.com/documents/9780941355728ch1.pdf</p>

	<p>Mathematics Coaching Handbook: Working with Teachers to Improve Instruction, by Pia M. Hansen (2009)</p> <p>Provides insight into the leadership skills necessary to mentor other teachers, establish collaborative teacher teams, influence school culture positively, and improve student achievement.</p>
	<p><i>Cultivating a Math Coaching Practice: A Guide for K-8 Math Educators, by Amy Morse (2009)</i></p> <p>A set of cases to help math coaches, prospective coaches, and administrators develop their knowledge of math content, hone their coaching skills, and enhance their ability to provide professional development for teachers in Grades K-8. This resource offers math activities, planning activities, and a facilitator's guide for developing mathematics leaders' coaching practice and knowledge of math teaching and learning.</p>
	<p><i>Agents of Change: How Content Coaching Transforms Teaching & Learning, by Lucy West with Antonia Cameron (2012).</i></p> <p>Provides coaches, administrators, and teacher leaders with specific techniques, tools, and strategies for working with individual classroom teachers to plan and co-teach lessons, reflect on them afterwards, and find evidence of student learning.</p>
	<p><i>Moments in Mathematics Coaching: Improving K-5 Instruction, by Kristine Reed Woleck (2010)</i></p> <p>Specific cases or "moments" from Woleck's years as a mathematics coach, unpacking and examining the critical elements of mathematics teaching, learning, and coaching. Discusses what effective coaching looks like and how beginning and veteran mathematics coaches in Grades K-5 can bring about meaningful improvements in mathematics instruction.</p>
	<p><i>Overcoming Resistance to Change: A Guide for School Leaders and Coaches, by Ted Hull, Ruth Harbin Miles, & Don Balka (2010)</i></p> <p>Mathematics coaches at all levels are change agents, supporting teachers in instructional changes to improve student learning. When adults are asked to make changes in their practices they are often resistant because changing what is known and comfortable is daunting. Each chapter in this book addresses a facet of change that coaches encounter in their work. Leaders will find practical advice, scenarios from real schools, and helpful tools.</p>

	<p>Instructional Coaching: A Partnership Approach to Improving Instruction, by Jim Knight, 2007.</p> <p>Jim Knight describes the "nuts and bolts" of instructional coaching and explains the essential skills that coaches need, including getting teachers on board, providing model lessons, and engaging in reflective conversations. Each chapter includes stories from real coaches, suggested resources, and tools to support coaches work.</p>
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<p>2013 Dissertation: University of Louisville</p>	<p><u>Mathematics Coaching in High School: The Impact of Coach and Teacher Interactions</u></p> <p>http://ir.library.louisville.edu/cgi/viewcontent.cgi?article=2167&context=etd</p>
<p>Best Practices in Instructional Coaching Hanover Research</p>	<p><u>Best Practices in Instructional Coaching</u></p> <p>Section II: Coaching Models and Roles reviews secondary literature and the design of instructional coaching programs at K-12 school districts to identify specific practices associated with effective instructional coaching. This section includes a discussion of literacy and numeracy coaching, roles and responsibilities of key actors in the model, allocation of coaches' time and resources, and mechanisms for the supervision and evaluation of programs. Includes information specific to mathematics coaching.</p> <p>http://ciscsymposium.sccoe.org/wp-content/uploads/2016/02/Best-Practices-in-Instructional-Coaching.pdf</p>
<p>REI WestEd</p>	<p><u>Summary of research and best practices on mathematics coaching for math teachers published 2016.</u></p> <p>https://relwest.wested.org/system/documents/pdfs/450/original/REL_West_Memo_Coaching_for_math_teachers.pdf?1464141187</p>