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CONTACT US

Center on Instruction
Angela Penfold
Project Director

RMC Research Corporation
1000 Market St., Bldg. 2
Portsmouth, NH 03801

603-422-8888
1-800-258-0802
Fax 603-436-9166
COI-info@rmcres.com
www.centeroninstruction.org

Literacy Resources

Reviewing a Reading Program: Professional Development Module. The Center on Instruction's popular guide *Reviewing a Reading Program PD Module's* checklist is now available in an easy-to use Word format which reviewers can use to enter their scores electronically. [Read more...](#)

Webinar: Improving Instruction through the Use of Data Part II: How to Use Your Data to Inform Literacy Instruction. The Center on Instruction presented a webinar on October 18, 2011, for the Doing What Works' School Turnaround Learning Community in which COI's Barbara Foorman and Debby Houston Miller provided information on using data to make decisions to improve literacy instruction in the core instructional program and to provide targeted instruction for short-term intervention and intensive interventions. [Read more...](#)

STEM Resources

Successful STEM Education: Identifying Effective Approaches in Science, Technology, Engineering, and Mathematics. This report from the NRC published in 2011 outlines criteria for identifying successful STEM schools and programs for the purpose of informing schools, districts, state and national policy makers about decisions made to improve K-12 STEM education. [Read more...](#)

Prepare and Inspire: K-12 Education in Science, Technology, Engineering, and Math (STEM) for America's Future. The President's Council of Advisors on Science and Technology (PCAST) prepared this September 2010 report to provide a two-pronged strategy for improving K-12 STEM education: prepare and inspire the next generation of students. [Read more....](#)

Preparing the Next Generation of STEM Innovators: Identifying and Developing Our Nation's Human Capital. This report from the National Science Board explores ways to foster the development of the next generation of leading STEM professionals, entrepreneurs, and inventors. [Read more....](#)

Rising Above the Gathering Storm, Revisited: Rapidly Approaching Category 5. This report from The National Academies Press is an update of the work of the government and the private sector in K-12 science and technology education in the past five years since the original document was published. [Read more....](#)

Learning In and Out of School in Diverse Environments. This resource developed by SEDL provides a rationale for the development of schools that prepare students for life-long learning that is life-wide and life-deep, using the racial, cultural, ethnic, and linguistic capital that students bring from their homes and communities to teach the knowledge, attitudes, and skills they need to be effective citizens in the United States and the world. [Read more....](#)

STEM/Science Resources

Surrounded by Science: Learning Science in Informal Environments. Based on the National Research Council study "Learning Science in Informal Environments: People, Places, and Pursuits", this book makes valuable research accessible to those frontline science educators working in informal settings outside school in museums, libraries, nature centers, after-school programs, amateur science clubs, and even during conversations at the dinner table. [Read more...](#)

STEM/Math Resources

Webinar: *RTI in Mathematics: The Perspective from NCTM*. The Center on Instruction hosted a webinar on October 19, 2011, to discuss the recent position statement from the National Council of Teachers of Mathematics (NCTM) on response to intervention (RTI). [Read more...](#)

Webinar: *Improving Instruction through the Use of Data. Part I: How to Use Your Data to Inform Mathematics Instruction*. The Center on Instruction presented a webinar on October 11, 2011, for the Doing What Work's School Turnaround Learning Community in which COI's Russell Gersten and Ben Clarke provided information and resources about the use of data to inform mathematics instruction that is particularly useful to federally funded School Improvement Grant (SIG) programs and technical assistance providers working with schools in need of improvement. [Read more...](#)

Common Core State Standards for Mathematics - Appendix A: Designing High School Mathematics Courses Based on the Common Core State Standards. Appendix A of the Common Core State Standards (CCSS) document helps states think about how the high school CCSS might be organized into four Model Course Pathways in Mathematics that provide college and career readiness. [Read more...](#)

Progressions Documents for the Common Core Math Standards. These narrative documents from the Institute for Mathematics and Education at the University of Arizona describe the progression of a math topic across a number of grade levels, informed both by research on children's cognitive development and by the logical structure of mathematics. [Read more...](#)

Special Education Resources

Professional Development to Improve Accommodations Decisions - A Review of the Literature. This resource from the National Center on Educational Outcomes reviews the characteristics of high-quality online accommodations training and summarizes the research literature for both professional development on accommodations decision-making and traditional and high-quality online teacher professional development. [Read more...](#)

RTI Resources

Response to Intervention: Intervention Instruction Professional Development Module. This professional development resource, developed jointly by the Vaughn Gross Center for Reading and Language Arts and the Texas Education Agency, provides educators with background and implementation knowledge on RTI. [Read more...](#)

Baseline Analyses of SIG Applications and SIG-Eligible and SIG-Awarded Schools. This baseline report provides an overview of the state policies and practices for SIG implementation as well as a description of the first round of SIG awards made to LEAs and SIG-eligible schools. [Read more...](#)

RTI Framework Integrity Rubric and Worksheet. These two resources are for use by individuals responsible for monitoring the school-level fidelity of Response to Intervention (RTI) implementation. [Read more...](#)

RTI KnowledgeBase. The Response to Intervention KnowledgeBase, developed by the Mid-Continent Comprehensive Center (MC3) in collaboration with national technical assistance centers, including the Center on Instruction, consultants, institutes of higher education and state departments of education, is an online resource supporting educators in understanding and implementing the response to intervention (RTI) model. [Read more...](#)

A Resource for Student Evaluation Personnel in Schools Implementing RTI. This resource provides valuable information for student evaluation personnel who gather and disseminate information to committees making instructional decisions. [Read more...](#)

Developing an RTI Guidance Document. This information brief is based on the lessons learned by the National Center on RTI from providing support to states developing guidance documents. [Read more...](#)

The Center on Instruction is one of five content centers to support the regional comprehensive centers in providing technical assistance to SEAs and districts/schools in need of improvement. The goal of COI is to supply much of the research-based information, products, guidance, analyses, and knowledge on key topics related to the Elementary and Secondary Education Act (ESEA) to the 16 Regional Comprehensive Centers for their work with states and districts.

Center on Instruction, Angela Penfold, Project Director

[RMC Research Corporation](#)

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