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Science Resource

The Center on Instruction has published the Second Edition of *Effective Science Instruction: What Does Research Tell Us?* This second edition provides more detailed information for users. In addition to updated examples, it describes the schema theory of learning and how each element plays a role in developing conceptual understanding. The summary section notes the overlap between the elements in science instruction. It is available for download from the COI website at http://centeroninstruction.org/resources.cfm?category=science&subcategory=materials&grade_start=0&grade_end=12#155.

Math Resource

The Center on Instruction has published the Second Edition of *Identifying Professional Development Needs in Mathematics: A Planning Tool for Grades 3-7*. This second edition provides revised category headings for the needs assessment tool itself and clarifies several explanations of how the tool can be used. An upgraded edition of the Word version of the tool itself is also provided. Both of these can be downloaded from the COI website at <http://centeroninstruction.org/files/Needs%20Assessment%20for%20Mathematics%20Professional%20Development%20Dynamic%20Tool.doc>.

Reading Resource

Scenarios to Accompany the Adolescent Literacy Walk-through for Principals: A Guide for Instructional Leaders - Grades 4-12. This guide and accompanying scenarios of adolescent literacy instruction from the Center on Instruction, is designed to help principals monitor and support adolescent literacy instruction in their schools more effectively. The just-released supplementary scenarios, in response to requests from the field for illustrations of the concepts in the guide, provide examples of adolescent literacy instruction for 4th and 5th grade classrooms, and both content-area and reading intervention classrooms in grades 6-12. It also contains a brief summary of the walk-through guide itself, an orientation to the scenarios, and suggestions for ways to use them. Both the guide and the scenarios publication can be downloaded on the COI website, http://centeroninstruction.org/resources.cfm?category=reading&subcategory=materials&grade_start=4&grade_end=12#227.

Special Education Resources

Implementing Data-Informed Decision Making in Schools - Teacher Access, Supports and Use. This document from the USED Office of Planning, Evaluation

and Policy Development presents an analysis of district and school use of data systems to improve instruction which can be used to provide guidance for the implementation of data-informed decision-making. It can be accessed from the COI website, http://centeroninstruction.org/resources.cfm?category=specialEd&subcategory=materials&grade_start=0&grade_end=12#301.

Instructional Decision-Making Procedures: Ensuring Appropriate Instruction for Struggling Students. This publication from The Meadows Center for Preventing Educational Risk at The University of Texas at Austin and the Texas Education Agency provides K-3 educators and school teams procedures to identify effective instructional practices and interventions to reduce referrals to special education. It explains how to document how a student responds to interventions when special education eligibility is being considered and assists the admission, review, and dismissal committee to ensure that lack of appropriate instruction is not the reason for the determination of a student's disability. It can be accessed on the COI website, http://centeroninstruction.org/resources.cfm?category=specialEd&subcategory=materials&grade_start=0&grade_end=3#296

The IRIS Center has developed a number of new modules around collaborative strategic reading (CSR). These can be accessed from their website:

- ***CSR: A Reading Comprehension Strategy*** is available at <http://iris.peabody.vanderbilt.edu/csr/chalcycle.htm>.
- ***PALS: A Reading Strategy for Grades K-1*** is available at <http://iris.peabody.vanderbilt.edu/palsk1/chalcycle.htm>.
- ***PALS: A Reading Strategy for Grades 2-6*** is available at <http://iris.peabody.vanderbilt.edu/pals26/chalcycle.htm>.
- ***PALS: A Reading Strategy for High School*** is available at <http://iris.peabody.vanderbilt.edu/palshs/chalcycle.htm>.

Coaching Resources

Differentiated Instruction: Part I. This packet of materials developed by the Vaughn Gross Center for Reading and Language Arts provides presenter notes as well as participant handouts for a training for teachers as they implement differentiated instruction in the classroom. It discusses the different dimensions of instruction and how to differentiate within and across these dimensions to meet students' needs. It also discusses the importance of using good management techniques to effectively differentiate instruction. These documents can be downloaded from the COI website, http://centeroninstruction.org/resources.cfm?category=specialEd&subcategory=materials&grade_start=0&grade_end=12#302.

Improving Instruction through Coaching. This resource from the Center for Strengthening the Teaching Profession provides an overview of the role instructional coaches play in improving educational outcomes with an emphasis on content development and instructional strategies. It is available for download on the COI website, http://centeroninstruction.org/resources.cfm?category=specialEd&subcategory=materials&grade_start=0&grade_end=12#303.

Coaching: A Strategy for Developing Instructional Capacity. This paper by Barbara Neufield and Dana Roper of Education Matters, Inc. describes coaching, the role of coaches, support of coaches, and the potential benefits of using a coaching model of professional development. It can be downloaded from the COI website, http://centeroninstruction.org/resources.cfm?category=specialEd&subcategory=materials&grade_start=0&grade_end=12#305.

Instructional Coaching: Professional Development Strategies that Improve Instruction. This resource developed by the Annenberg Institute for School

Reform describes professional development instructional coaching strategies. Its research-based guidance is intended for teachers and teacher leaders, as well as school and district administrators. The key themes and framing questions help districts and schools implement instructional coaching. It can be downloaded from the COI website, http://centeroninstruction.org/resources.cfm?category=specialEd&subcategory=materials&grade_start=0&grade_end=11#306.

RTI Resources

Teacher Preparation for Response to Intervention in Middle and High Schools.

This policy brief from the National Comprehensive Center for Teacher Quality provides an overview of the preparation of middle and high school teachers to use RTI applications. It provides helpful information for teacher preparation faculty and professional development personnel as well as middle and high school teachers. It can be downloaded on the COI website,

http://centeroninstruction.org/resources.cfm?category=specialEd&subcategory=materials&grade_start=4&grade_end=12#304.

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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 instruction in reading, mathematics, science, special education, and English language learning that Regional Comprehensive Centers use when working with States.

Please send any suggestions or comments regarding our E-Newsletter to COI-info@rmcres.com. We would love to hear from you! If you've received this newsletter in error, or if you wish to unsubscribe, please email us at COI-info@rmcres.com and write "unsubscribe" in the subject line.

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