Selected COI Resources Addressing the ARRA Reform Area

Data Systems to Support Instruction

An Introduction to Progress Monitoring in Mathematics. This professional development module, consisting of a PowerPoint presentation and a presenter's manual, describes progress monitoring, explains common techniques often mistaken for progress monitoring, and discusses application of progress monitoring in mathematics at both the elementary and secondary grade levels. It also provides resources for additional information.

http://www.centeroninstruction.org/resources.cfm?category=math&subcategory=&grade _start=&grade_end=#229

Assessments to Improve Instruction in Academic Literacy for Adolescents: A Guidance Document from the Center on Instruction:. This document provides information about the key elements of a comprehensive assessment plan to improve literacy instruction for adolescents. It provides examples of assessments and assessment systems currently in use or under development to improve literacy instruction for students in grades 4–12.

http://www.centeroninstruction.org/files/Assessment%20Guide.pdf

Curriculum-Based Measurement in Mathematics: An Evidence-Based Formative Assessment Procedure. This report describes M-CBM (Mathematics Curriculum-Based Measurement) including a brief history, basic procedures, implications for practice, and further resources. It also reviews the research that supports the use of M-CBM.

http://www.centeroninstruction.org/files/CBMeasurements.pdf

Screening for Mathematics Difficulties in K–3 Students. This report looks at the effectiveness of existing early screening measures and discusses the key features needed to screen kindergarten through third grade students for difficulties in mathematics.

http://www.centeroninstruction.org/files/COI%20Math%20Screening.pdf

Identifying Professional Development Needs in Mathematics: A Planning Tool for Grades 3–7. This resource identifies professional development needs specific to mathematics. It includes a series of guiding questions that help SEAs evaluate their existing programs and student performance data to identify professional development activities that meet their needs. Designed to be used by Regional Comprehensive

Download these resources free at www.centeroninstruction.org

About COI

The Center on Instruction, a national comprehensive center funded by the U.S. Department of Education, collaborates with the nation's preeminent researchers, practitioners, and technical assistance providers to offer resources about instruction in reading, mathematics, science, special education, Response to Intervention (RTI), and English language learning. These resources include research syntheses, practice guides, professional development modules, and classroom observation tools that Regional Comprehensive Centers, state departments of education, and district and school administrators have successfully used in their work to improve the quality of instruction in our nation's schools.

As you apply for ARRA funds and implement your plan, COI's resources can help you identify reforms that work and how to implement them. As you advance reforms in the area of "data systems to support instruction," consider that COI's resources cover the use of the data to:

- inform instructional practices and decision-making,
- inform professional development for teachers and administrators; and
- improve teacher and principal effectiveness.

This handout offers a selection of resources available from the Center on Instruction. You can download them for free from the COI website, www.centeroninstruction.org. Other resources, not COI-developed but COI-reviewed, are also available from the site.

CENTER ON INSTRUCTION

Centers in their work with State Departments of Education, this resource may also be used by SEAs and districts independently.

http://www.centeroninstruction.org/files/Identifying%20PD%20Needs%20in%20Math%20A%20Planning%20Tool.pdf

A Word version of the tool itself is also available:

http://www.centeroninstruction.org/files/Needs%20Assessment%20for%20Mathematics%20Professional%20Development%20Dynamic%20Tool.doc