

Archived Information

Council of Chief State School Officers

CCSSO collaborates with state departments of education and federal agencies in developing and reporting a system of indicators of the condition of K-12 science and mathematics education. The Council's series of indicator reports focusing on Science and Mathematics Education began in 1991. Statistical trends are reported by state and for the nation on key indicators of student achievement, curriculum, teacher preparation, and school conditions. Currently a focus of CCSSO work with Science and Math Indicators is to improve the reliability, comparability, and use of indicators of teacher quality. The Council is advising states on data definitions and applications of indicators, collaborates with federal agencies for improved data sources, and provides models for reporting and applying indicators for education improvement.

Biennial Report: State Indicators of Science and Mathematics Education

The CCSSO reports on science and math indicators include 50-state tables and graphs, analysis of trends by state, references to relevant research, and guidance for states and districts on selecting and using indicators. States report aggregate data to CCSSO from state information systems using a spreadsheet application designed specifically for state uses, which includes a data reporting function for each state. CCSSO conducts special analyses of NAEP state-level results and Schools and Staffing Survey data for the state indicators reports. All of the reports and detailed data appendices are available on the Council website. The report service is supported by a grant from the National Science Foundation and states.

Surveys of Enacted Curriculum

The Surveys of Enacted Curriculum (SEC) offer a practical method for collecting, reporting and using consistent data on instructional practices and subject content taught in classrooms. The survey instruments and reporting tools provide an objective approach for schools, districts, and states to analyze instruction in relation to content standards. Data and reports from the Surveys of Enacted Curriculum system are intended to assist educators and policy makers in several ways:

- Aligning standards, assessments and curriculum
- Improvement of instruction
- Interpreting student assessment results
- Needs assessment and program evaluation of initiatives
- Indicators system for monitoring progress

The Surveys of Enacted Curriculum were designed and developed by CCSSO in collaboration with researchers at Wisconsin Center for Education Research and state education specialists. The surveys build on prior research studies on the enacted curriculum, including TIMSS and NAEP. Item formats were field-tested to ensure reliability and validity of the data. Research and development for SEC data collection and reporting were supported by grants from the National Science Foundation and member-states of the SEC-SCASS collaborative.

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