

Evaluation

Contingent upon School Board-approved level of funding of the District Comprehensive Mathematics and Science Plan the District Office of Evaluation and Research will design and implement a comprehensive evaluation of the Plan's effectiveness.

SUGGESTED EVALUATION INDICATORS OF THE DISTRICT MATHEMATICS AND SCIENCE PLAN

Data should be collected at the end of the 2000-2001 school year, to benchmark effectiveness of the district mathematics and science plan for year one. Indicators of success should include:

- The percent of students enrolled in the Superintendent's Summer Mathematics Academy year 1, who successfully complete Algebra 1 in the ninth grade.
- The percent of students enrolled in the Superintendent's Summer Mathematics Academy year 1, who score above the first quartile on the ninth grade FCAT Mathematics.
- The percent of students enrolled in the Superintendent's Summer Mathematics Academy year 2, who attain scores of level 3 or higher in FCAT Mathematics grade 8.
- The number/percent of students who meet state criteria on the Florida Comprehensive Assessment Test in Mathematics, grades 5, 8, and 10.
- The number/percent of students who successfully complete Algebra I.
- The number/percent of students who successfully complete Geometry.
- The number/percent of students who successfully complete Earth/Space Science.
- The number/percent of students who successfully complete Biology I.
- The number/percent of students who successfully complete Chemistry.
- The number/percent of students who pass the FCAT Mathematics for graduation requirement.
- The number/percent of students who score at or above the 50th percentile on the NRT FCAT in mathematics grades 3 through 10.
- The number/percent of students who score at or above the 50th percentile on the SAT 9 in science grades 5, 7, and 9.
- The number/percent of elementary students who successfully demonstrate grade level expectations on the Mathematics Assessment Instrument.
- The number/percent of senior high school graduates who pass a college placement test in mathematics upon or in preparation for entrance to college.

Similar data collection will occur at the end of year two to assist in the formulation of the plan beyond year three.

SUGGESTED EVALUATION INDICATORS OF SCHOOL-LEVEL MATHEMATICS AND SCIENCE PROGRAMS

Primary responsibility to monitor mathematics and science programs at the school level rests with the Region Offices. Monitoring school-level mathematics and science programs includes the following:

- Articulating a mathematics and science goal for each region.
- Approving mathematics plans submitted as part of the School Improvement Plan.
- Providing professional development in effective mathematics and science practices for principals and assistant principals.
- Conducting, as needed, in-school reviews of the mathematics and science plan along with the mathematics and science improvement team, using the district-developed guidelines.
- Conferring regularly with principals about the progress of the mathematics and science improvement team, their action research, and the mathematics and science programs.
- Assisting principals with the administration of program evaluation instruments that will benchmark improvements in the quality of the mathematics and science programs.