Decision Support Systems

Research and Planning, Architectural Design, Procurement, and Implementation Assistance

•Do you need an adaptable approach to accessing the longitudinal data systems to inform instruction and improve student achievement?

•Would your organization benefit from a vendor-independent, well-thought-out, expertly designed Decision Support System?

•Do you have the right performance management tools to enable the implementation of your vision, mission, and goals?

A World of Readily-Accessible Information

The educational landscape has shifted significantly in the past decade. Educational organizations are expected to provide stakeholders with the same type of accurate and timely information they are used to receiving in other areas of their lives - banking, healthcare, and travel. As a result the integration of multiple data systems to inform and improve instruction has evolved. These changes have resulted in resource and system efficiencies that have improved the quality of information (data) available while doing it much more effectively. These changes result in bottom-line savings in time and money, and allow your educational organization to effectively inform instruction and improve student achievement.

Data Governance and Management

- Policy
- Organization
- Stewardship
- Process

Data Warehouse and Business Intelligence Tools

- Design
- Specification
- Procurement
- Implementation

Data Architecture

- Current/Future State
- Findings
- Recommendations
- Standards
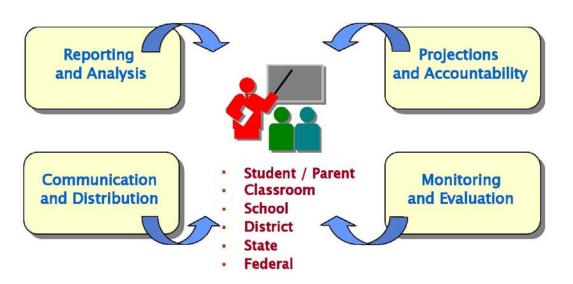
Interoperability Design

- School Interoperability Framework (SIF)
- Data Modeling
- Service-Oriented Architecture
- Enterprise Applications Integration

Instructional Data Management: End-to-End

Educational Accountability and Reporting System that is:

- Learner centered
- Instructionally focused
- Performance oriented
- Data driven
- Customer friendly
- Fiscally affordable

Reporting and Analysis

Projections and Accountability

Communication and Distribution

Monitoring and Evaluation

- Student / Parent
- Classroom
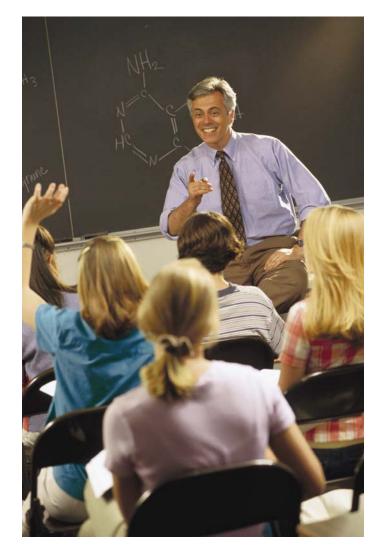- School
- District
- State
- Federal

Empowering You to Make the Right Decisions

The Center for Educational Leadership and Technology (CELT) designs and implements Decision Support Systems that help K-12 leaders make cost-effective decisions, promote an instructional focus, and address multiple accountability needs.

Our customized services respond to a learning organization's size, budget, and timeframe for action. We can offer you:

- Longitudinal Data Systems
- Performance Management Tools
- Data Integration Services
- Data Assessment Strategies
- Analysis and Accountability Processes
- Data Warehouse Designs

The Data Drives the Right Decisions

TRANSFORMING THE LEARNING ORGANIZATION

Decision support systems transform the use of data into useful information that can be analyzed and acted upon to make timely and accurate decisions. With a decision support system, administrators can assess what programs and services have the highest return-on-investment related to student achievement. Administrators have actual data that shows which staff development models and programs are most effective in improving student learning. In addition, student progress can be monitored accurately to predict individual and overall academic success.

When systems are integrated, patterns of information emerge that help administrators improve learning management:

- Discover how student and staff attendance influence student achievement

- Identify at-risk students based on socio-economic conditions, changes in grades, attendance, discipline, homework, and health

- Align district spending patterns that positively impact student achievement

- Decide the impact of instructional strategies on learners

- Assess the impact of student demographics on academic performance

Key Benefits of a Decision Support System

- Provide data to inform decisions for planning and strategies

- Access data to assess effectiveness of organizational strategies

- Provide constituents with instant access to information

- Use "what-if" scenarios to evaluate decision outcomes

- Assess continuous improvement activities

- Monitor trends in performance measures

About the Center for Educational Leadership and Technology (CELT)

For nearly two decades CELT has helped align leadership, learning, and technology in support of improved student achievement by working collaboratively with educational organizations to support and transform teaching, learning, and administrative processes. CELT is one of the largest and most comprehensive providers of research, planning, and implementation services for public/private schools, education service agencies, and departments of education. CELT's purpose is to help learning organizations attain their vision, mission, and goals by integrating high-quality programs, services, and technology with the organization's people and processes in a timely, efficient, and cost-effective way.

How Will I Benefit?

CELT's decision support model allows K-12 leaders to integrate curriculum and student information with finance, human resources, student records, library holdings, food service, transportation, facilities, and special education systems.

An integrated performance management model makes information available and easily accessible for more effective decision-making that affects your constituencies - student, parent, classroom, school, district, state and federal.

An opportunity to create a comprehensive multi-dimensional decision support system focused on IMPROVED LEARNING!

Best practices will be detailed for local, state, and federal leadership to use for benchmark analysis.

Visit us online at www.celtcorp.com

Center for Educational
Leadership and Technology
65 West Boston Post Road
Suite 200
Marlborough, MA
phone: 508.624.4474
fax: 508.624.6565