The EIM solution was developed to assist district leaders, school administrators, and classroom teachers with all phases of the instructional process.

eduTrax
strategic decision support tools

The EduTrax Instructional Management (EIM) solution is a multi-faceted, web-based application that will assist school districts in developing quality standards-based curriculum, providing classroom-level instructional guides and lesson plans, storing and publishing teaching resources, assessing student knowledge, and analyzing the associated data to steer individual or class instruction as needed.

The EIM solution was developed to assist district leaders, school administrators, and classroom teachers with all phases of the instructional process. As a school district strives to gain greater productivity and efficiency while increasing student achievement, EIM focuses on the five operational areas that offer an efficient and immediate return on investment. These five keys are: Curriculum Management, Instruction, Assessment, Data Analysis and Interpretation, and Communication. These keys serve to highlight and maximize the relationship between the written, taught, and tested curriculum. Written curriculum (developed by the school district and based on state or national standards) will have little or no impact unless it becomes the taught curriculum. If the tested curriculum is not aligned with the written curriculum or taught curriculum, then teachers, students, and parents will have the difficult, if not impossible task of accurately assessing the student's understanding.

The EIM framework can be customized to meet the specific needs of a school district. It can be internet cloud-based or a locally-hosted solution within the district's existing network. EduTrax will work with the district technology staff to develop customized data interchanges between the district's student information database and the EIM database, as well as customized user login authentication and integration for locally hosted implementations.

Curriculum   Instruction   Assessment   Data Analysis   Communications

Manage standards

Create local curriculum

Develop learning objectives

Build scope and sequence

Attach curriculum resources

The Building Blocks for Curriculum Development

A school district can construct, monitor, and analyze its curriculum and instructional program using real-time data. The EIM curriculum module provides the tools to clearly and accurately align the district's curriculum to the appropriate local, state, or national standards.

CURRICULUM HIGHLIGHTS

- Supports national, state, or locally-created standards
- Curriculum is developed at the specific subject, grade, and course level
- Supports multiple versions of each curriculum plan
- Combine multiple sources of standards when developing curriculum
- Identify specific learning objectives for each curriculum standard
- Utilize optional teaching timeframes for learning objectives to facilitate pacing and calendar alignment
- Attach approved lesson plans and resources to curriculum units or learning objectives
- Develop course scope and sequencing
- Use real-time data to identify gaps and expose redundancies

Establish district calendars

Create pacing guides

Write or import lesson plans

Build personal calendars

Develop resource library

Track student interventions

The Framework for Successful Teaching

The EIM instructional module contains the necessary tools to effectively deliver the required curriculum. Online lesson planning, an instructional resource repository and customized calendar management create a powerful and efficient teaching environment.

INSTRUCTION HIGHLIGHTS

- Create and store school-year calendars—multiple concurrent calendars are supported
- Create course-specific pacing guides and align with desired school calendar(s)
- Map curriculum scope and sequence details to course pacing guides
- Edit and cross-check curriculum against state standards as well as developed assessments
- Optionally track and monitor teacher progress within curriculum
- Import existing lesson plans or create new lesson plans online via the web site
- Share lesson plans and resources across district using approval process
- Consolidate instructional resources in one place—documents, multimedia, etc.
- Create custom hierarchy and structure within resource library
- Search resource library by key words, course information, etc.
- Develop and automate existing intervention procedures and policies
- Teachers can create their own personal instructional calendar and import pacing guide information

ASSESSMENT

Simplifying Assessment

The EIM assessment module empowers district staff and classroom teachers to create, align, and administer tests. Select from item bank questions aligned to the appropriate standards. Administer assessments using multiple delivery models.

- Create yearly test calendars
- Develop class or district tests
- Standards-based item bank
- Set assessment scoring goals
- Multiple delivery models
- Monitor testing status

ASSESSMENT HIGHLIGHTS

- Create assessments for individual classroom or district-wide use
- Multiple test types are supported—benchmark, short-cycle, quiz, pre-post, etc.
- Multiple delivery methods are supported—OMR or plain-paper scanning, online, or student response device
- Define scoring analysis targets at the test, course, or subject level
- Supports teacher-scored items (constructed, rubric, etc.)
- Automate delivery of assessments to classroom teacher
- Monitor testing process from beginning to end—publishing, administration, scoring
- Scoring process audit data is captured to monitor integrity of test results
- Question item database is content neutral – district created or 3rd party
- Multiple item types supported—multiple choice, true-false, short-answer, constructed, rubric-based, etc.
- Track item difficulty, depth-of-knowledge, Blooms Taxonomy, etc.
- Various response and analytical statistics for items are calculated (P-Value, Point Bi-Serial, etc.)

Measuring Performance

It is critical that reporting tools provide immediate results, not only for the classroom teacher, but for school and district administrators. The EIM data analysis module contains numerous built-in and customized reports for analyzing in detail not only district and local assessments, but statewide and national high stakes tests.

Analyze assessment results

Analyze high stakes test data

Use built-in or ad-hoc reports

Choose from additional tools

Include additional student data

DATA ANALYSIS HIGHLIGHTS

- Real-time reporting for local assessments
- Import and analyze results for state and national tests
- Perform analysis at student, classroom, school, area, and district levels
- Create custom groupings of students outside of roster alignments for specialized test analysis
- Disaggregate results by demographic indicators
- Standards analysis, question item analysis, and cohort scoring comparisons available at all levels
- View a comprehensive student test history profile
- Establish longitudinal growth and performance trends
- Track and review class/student diagnostics and other prescriptive indicators for targeting instruction
- Create ad-hoc reports or select from a variety of built-in reports with an easy-to-use reporting wizard
- Reports can be viewed, printed, or saved as PDF or MS Excel files for further analysis, distribution, etc.

Develop internal staff portals

Create external parent portal

Develop district blog sites

Manage authorized users

The Network for Sharing Information

A key to the success of any instruction program is the ability to communicate effectively with all stakeholders. The EIM communication module provides the district with a mechanism to convey information within the educational community.

COMMUNICATION HIGHLIGHTS

- Keep parents, students, and other district stakeholders informed and engaged through portals
- Define individual links, descriptions, groupings and graphical image elements within portal
- Create multiple portals for specific target groups such as teachers, staff, parents, etc.
- Host portals internally within the district network or externally with standard internet access
- A blogging application is provided to allow communications, questions, etc. amongst similar-minded staff members
- Staff can identify their favorite blog and receive notifications when new postings occur
- Authorized user security is based on a level hierarchy with up to 10 customized levels of access
- Menu and program options are tied to the security levels established by the district
- Attach users to a primary location, as well as an unlimited number of secondary locations
- Mix and match security roles within multiple locations
- Restrict and filter data access by subject area to further restrict results, test setup, etc.
- Customized personnel data interchanges to automate staff changes and security updates

THE EDUTRAX ADVANTAGE

An EduTrax solution is more than a software purchase. It is a partnership based on the understanding that each school system is different, with a unique set of circumstances. We spend a lot of time learning each district's challenges so that we can customize a solution that will succeed.

The EIM framework will be tailored to meet the specific needs of each school district, and custom programming is included in every contract. Typical customization includes:

> User dashboards for calendar-driven interaction with EIM instructional components and key performance indicators
>
> Parent access portals with district-specific student data
>
> Additional reports to meet district requirements
>
> Student intervention forms and tracking process

EduTrax also provides a complete line of assessment services including scan form pre-slugging, document printing and shipping, and scoring.

EIM Technical Specifications

- Microsoft Server 2008 R2 or newer
- Microsoft SQL Server 2008 R2 or newer
- Server virtualization supported
- Multiple server implementations for large districts
- Active Directory integration for user authorization
- Customized user security modules
- Single sign-on support for Microsoft networks
- Customized Microsoft SharePoint integration
- Database views to facilitate data extraction
- District-specific data interchange processes
- Customized MS SQL Reporting Services integration

eduTrax
strategic decision support tools

63 Pine Grove Drive
Locust Grove GA 30248
678.565.1941 phone
877.565.1941 toll free
www.edutrax.us