

## How can I empower administrators and teachers to improve student outcomes and increase their effectiveness through the intelligent use of District data?

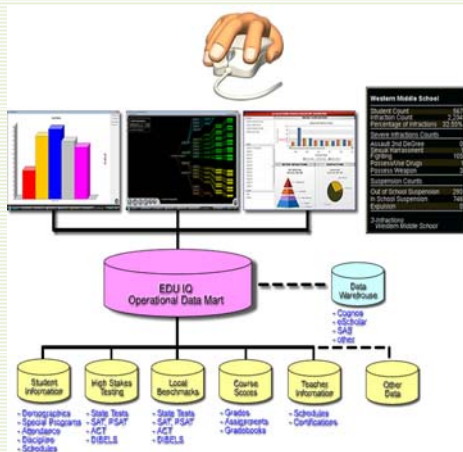
### Challenges

**Data explosion** There's an over abundance of valuable District data, but no easy and quick way to access or analyze it!

**'Silos of Data'** Information is stored in a variety of databases distributed across multiple systems and platforms causing replication and data inconsistencies.

**Systemic inequities** With increased reporting demands, limited personnel, and tight budgets many Districts lack the resources and necessary skills to support complex data analysis initiatives.

**Federal, State, and Local mandates** Meeting the ever-increasing and constantly changing reporting demands have placed a huge burden on District stakeholders as they attempt to track, quantify, and qualify District performance against pre-established performance metrics.



**So Easy a Mouse Can Do It!**

### DESIRED STATE: Empowering all district stakeholders with the ability to make qualified, informed, data-driven decisions

21<sup>st</sup> Century school districts are grappling with the challenges and pressures of increasing student performance while dealing with the realities of ever changing student populations, increased student mobility, and being tasked to do 'more with less' in the face of dwindling budgets and resources. Adding to the challenge, is the pressure levied by Federal mandates, such as NCLB, and ever-changing State reporting formats which demand improvements in student performance and operational effectiveness.

Additionally, access to State and Federal funding sources is often dependent upon timely, accurate, and reliable data reporting. However, while all Districts have databases of data regarding – attendance, enrollment, demographics, infractions, certifications, financial performance, test scores, benchmark performance, etc. – often most of the time is spent trying to find, access, and scrub the data leaving no time to analyze and look for the information knowledge contained within the data. Funding is lost due to inaccurate reporting, trends go undetected, and public scrutiny increases.

### OUR SOLUTION

**EDU IQ** is an easy to use, browser-based Data Analysis and Mining solution that allows K-12 school district administrators to spot trends, predict outcomes, and make faster, better, data-driven decisions by finding the knowledge in their volumes of data.

This knowledge tool automatically and seamlessly pulls data from a variety of sources, including Student Information, Finance, and HR systems, and lets administrators easily answer pressing questions. With EDU IQ, K-12 administrators can easily view data and answer questions about what's going on in their districts, schools and classrooms.

**EDU IQ** has demystified and simplified complex but valuable functions, data disaggregation and data mining, for non-technical users. All data is always disaggregated - automatically. No more manually transcribing Excel data or complicated merging of text files. Aggregate and view data by just pointing and clicking. EDU IQ

**Q3 Solutions**, coupled with **EDU IQ** will empower you to:

- **Gain instant and seamless access to all the key silos of data in your District** through a user-friendly graphical interface that can create customized pie charts, bar graphs and other visual renderings and reports.
- **Enable users to view at the District level or 'drill down' to school and grade** to isolate information.
- **Leverage the power of analytics** through a centralized, high performance, scalable operation data store (ODS) that was designed to put the power of data mining into the hands of non-technical administrators - easy to learn and easy to operate.
- **Monitor District Metrics** displayed through 'role-based' interactive dashboards that can be customized to District and/or School needs.



## The Approach

**EDU IQ's** unique approach to solving the business intelligence dilemma begins by helping administrators spot trends and identify potential problems. After working with our customers to identify key metrics, The IQ tool can extract and synchronize data from any of the organization's existing data sources, whether as complex as SQL or as simple as a .csv file sent from the state board. This data is pulled together and stored as objects on secure servers. The information is then conveniently displayed giving the user the ability to easily navigate a large number of data dimensions and fields. Because all of the information is stored as an assigned object, decision makers are able to re-categorize data sets on the fly, through the tree technology and view with graphic interfaces or export to Excel, print or pdf report format.

**EDU IQ** launches from a user's desktop as easily as Internet Explorer or any other Microsoft® Windows® application. Its role-based design allows any user with proper access to dynamically analyze important business information without the constant involvement of an IT professional. All capabilities within the application are "point-and-click" and easily mastered by users of varied experience levels. A user needs no familiarity with Excel or statistical-based modules to be successful with this product.

## More Results

*"EDU IQ paid for itself within two weeks after we installed it! Our District was hit with an OCD (Office of Civil Rights) allegation. EDU IQ provided the data and analysis to enable us to respond to the allegations in two days, not the two months it would have taken us using our old system."*

**Donna Dickson**  
**Director of Student Services**  
**Shelby County Schools, AL**

*"EDU IQ has revolutionized the way we make decisions in our district, we are now able to spot trends earlier, find correlations between test scores and student achievement, and monitor No Child Left Behind subgroup performance to head off problems before they adversely affect our district."*

**Dan Ice**  
**Director of Technology**  
**Alexandria Community Schools Corp, Indiana**

## BASIC VIEWS

**DEMOGRAPHICS** provides a wealth of information from the student information system such as gender, ethnicity, address, id, transportation, etc., as well as all NCLB subgroups.

**ATTENDANCE** Provides analysis of Student absences by level allowing users to determine the effects of absences on student performance. Year over year comparisons to track student improvement in performance related to reduced absence counts

## COURSE SCORES

- Student grades broken down by subject.
- Curriculum benchmarks and standardized test grade comparisons
- Teacher to Teacher grade comparisons
- Grade tracking based on NCLB subgroup attributes, including infractions.

**INFRACTIONS** Provide details on student infraction levels, broken down by infraction type. Allows schools to analyze the effect and costs both financially and socially.

## TEACHER DEMOGRAPHICS

Provides analysis of teacher costs and activities including salary, demographics, teacher cost per school, and certification / qualification tracking

**TEST SCORES** Provides specific state testing views that allow users to fully determine student successes. Provide year over year analysis and performance analysis by NCLB subgroup.

## Sales and Business Development

Jim Dougherty  
 Q3 Solutions  
 (408) 398-1312  
 (407) 645-3486 (Fax)  
[jimd@q3solutions.com](mailto:jimd@q3solutions.com)