

StudentSmart™

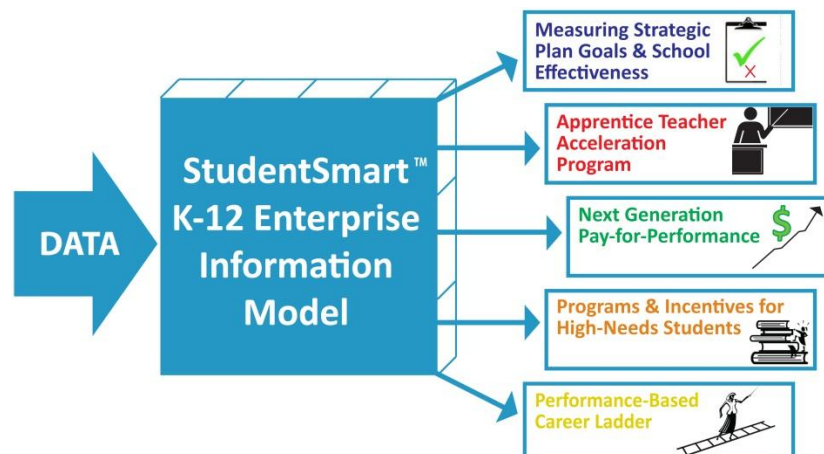
Worldgate's *StudentSmart™* software is an end-to-end K-12, data warehouse and business intelligence solution. StudentSmart enables school districts to have a comprehensive solution that can be used to measure effective teaching by performing a wide range of analysis and reporting across all subject areas, empowering administrators to make data driven decisions in all facets of their organization. Worldgate has focused on serving the information needs of educational user groups for the past eight years, specifically to address school performance management.

StudentSmart's fully-integrated platform supports all school district stakeholders with secure access to their role-based scorecards, dashboards, and reports accurately derived from student and administration data collected from various district wide systems. StudentSmart delivers five styles of business intelligence through a unified Web interface acting as a one-stop shop for all users:

- Scorecards and Dashboards
- Enterprise Reporting
- OLAP Analysis
- Advanced and Predictive Analysis
- Alerts and Proactive Notifications

Worldgate's StudentSmart solution is designed to transform learning effectiveness in the classroom by measuring against strategic plan goals and making effective teaching visible with access via the web or even mobile device.

The diagram below summarizes how StudentSmart acts as a Performance Management Information System solution and can meet the various district wide initiatives shown below:



StudentSmart's business intelligence application is designed specifically for School Performance Management and covers 6 key performance areas critical to monitor school performance:

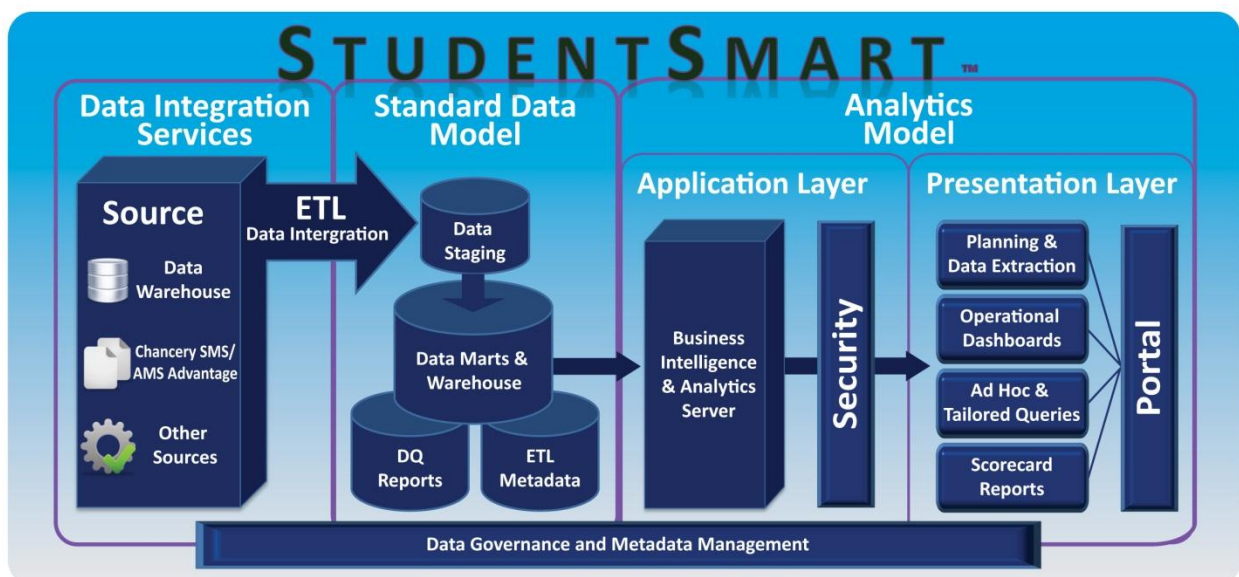


The StudentSmart Data Model has evolved as a result of engagements at several state education departments and local school districts and currently includes 14 subject areas, more than 150 entities, and more than 1000 attributes. Includes 40+ prebuilt commonly used K12 Key Performance Indicators (KPIs) and 70+ prebuilt reports and dashboards to deliver KPIs.

Some of the Subject Areas also included in the StudentSmart model are:

- District
- School
- Student
- Curriculum (Course and Grades)
- Tests and Achievements
- Programs and Services
- Facilities
- Transportation
- Discipline
- Attendance
- Food Services
- Grant

StudentSmart is designed as a comprehensive Longitude Data System (LDS) including the K-12 performance reporting solution for the key decision makers at state education agencies and school districts. StudentSmart delivers interactive reports on a rich set of pre-built performance indicators using the latest business intelligence technology accessible through a web-based application portal. The diagram below outlines the StudentSmart solution:



Worldgate's StudentSmart K-12 software solution show above consists of:

1. Extract, Transform and Load (ETL) Integration Services
2. StudentSmart K-12 Standard Data Model
3. StudentSmart Analytics

Successful development and implementation of the StudentSmart software requires the establishment of a scalable architecture that will support the various components of the Data Warehouse: the Extract, Transform, and Load (ETL) process, the Data Warehouse environment, and the Presentation or Data Access Environment. StudentSmart includes a pre-built packaged ETL layer. It is important to cleanse the data to help ensure valid, accurate, and up-to-date data values reside in all fields. The ETL layer was designed to accommodate unique business rule needs of each client and can be customized easily without any code changes.

The foundation of any solid reporting and analytical solution is the data model. To serve as the base of our StudentSmart Solution, we have developed a robust and mature data model that is a solid platform while being dynamic enough to incorporate enhancements specific to each client environment. It includes an extensive library of industry standard key performance indicators (KPIs) which map to operational as well as historical analytical requirements.

StudentSmart will provide a scalable design to satisfy both near and long term data warehousing requirements of a district. This solution will support multiple years of data, leverage existing data warehouses, and is scalable up to thousands of concurrent users via the Intranet/Internet. Users are assigned roles which manage portal content and access must run through robust security layers.

Worldgate understands that to achieve desired results of a performance management system it takes training, change management, knowledge transfer and the adoption of the technology and best practices by the entire organization

StudentSmart Client Reference

"Worldgate's StudentSmart software package has made data driven decision making processes for the School District of Philadelphia a possibility. We are now able to track student information easier and more accurately than ever before. We are able to see many fields of student data in one place, which allows us to bring data from a number of separate systems together to do the required analyses with consistency."

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