

Data Dashboard Selection Guide

October 23, 2013

Overview

The EngageNY Portal launching in winter 2013 will provide educational data and instructional content to teachers, students, and families. As part of its Race to the Top grant, the New York State Education Department has contracted with three vendors for data dashboard applications. While these applications will initially draw upon the same range of data, each district will have the opportunity to select which of the data dashboard applications best meets local needs.

This document is meant to facilitate the selection process for districts by providing an overview of the features that teachers, students, and families can expect from each of the data dashboards. In addition to an overview of the features, it will summarize the cost of the three applications in the context of the EngageNY Portal.

For additional context, please visit <http://www.engageny.org/portal>.

The Three Data Dashboards





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<p>DataCation Compass is an education-based dashboard built specifically for New York schools. Its foundation is CaseNEX's DataCation product suite – a solution that has been widely adopted in over 450 schools and 11 districts across the state of New York – combined with ConnectEDU's experience in empowering educational decision-making, DataCation Compass offers a variety of functions, including reporting and data visualization tools, recommendations engine, record exchange, and learning maps.</p>	<p>eScholar myTrack is a catalyst to personalize education for individual students. As a comprehensive solution, myTrack users will be able to easily access student data across many categories, including attendance, achievement, and anecdotal data. myTrack empowers educators to turn data insight into action by also including a feature that sets and tracks data-informed goals for students.</p>	<p>The Schoolnet platform is a proven solution with over a decade of continuous improvement serving 8 million students across the nation. With “Zero-Click” access to your district’s most critical data and tasks, the Schoolnet Data Dashboard will significantly reduce the amount of time it takes your teachers to compile, analyze, and respond to student performance data. Users will have a wizard-driven report builder that provides maximum flexibility for customized reporting that quickly gets you under the hood so you can look at data from every possible angle to analyze complex issues. Pre-formatted reports will let you quickly analyze data with the most common formats, like skill-based reports and item analyses, which are perfect for principal meetings or regular PLC discussions.</p>
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What to Expect: Data Dashboard Features

The chart below draws on the specifications required by NYSED when procuring the three data dashboard applications. It highlights the application features that will be most relevant to educators, students, and families as they begin using these tools, as well as dates by which each dashboard vendor has committed to releasing each feature.

Please note that, while data dashboard providers have committed to these dates, factors outside the providers' control may affect the availability and timing of these features.

We encourage you to consider the data dashboard applications in the context of your existing technology tools. Which of the three dashboards would best add to the suite of tools that your community already uses and provide the highest-quality experience for educators? As you review the quality and timeline for these features, mark those that are most important for your school or district as well as any features that you would like to ask questions about during the presentations in August.

For a detailed list of the features identified in the RFP requirements for the data dashboards, please see the documentation at <http://usny.nysed.gov/rttp/rfp/ds-07/dd-attachment-6.2-detailed-requirements-amended.xls>.

Legend of Features

	Available winter 2013 when the EngageNY Portal launches for educators.
	Available in winter/spring 2014 when the EngageNY Portal launches for parents guardians and students (grades 6-12).
	Available in summer 2014 or beyond.
	Not available.

Features	Mandatory or Desired?	DataCation Compass	eScholar myTrack	Schoolnet	Notes
Data Access Specifications					
Administrators can export, in an interoperable format, data elements created by and for the data dashboard (such as early warning flags, user-based student groupings, student notes).	M				
Roles and permissions will be set at the school, district, and State level. Roles can also be set at non-geographic/arbitrary groupings of schools, districts, and regional networks.	M				
Multiple teachers can access data for the same class/course/section.	M				
Educators, students, and families of students who work or study in multiple locations (such as BOCES or multiple schools) will have access to data across all relevant locations.	M				
Access will be assigned by (1) role (e.g., system administrator, teacher, other educator, principal, other administrator, parent/guardian, student) and (2) "Organization" location (e.g., classroom; school; district; cluster of schools/districts, including RICs, BOCES, networks).	M				
Role-based accounts will be created automatically based on NYSED/SLI identity and access management systems.	M				
Parents/guardians who are authorized will be able to view student profile data and authorize student record exchange.	M				
Students in grades 6 and up will be able to view their data and authorize transfer of their student records if authorized.	M				
Record Exchange Specifications					
Each record exchange transaction will be able to be audited by a unique tracking number.	M				
Local schools/districts and NYSED will receive exportable information regarding record exchange transactions that includes a unique transaction number, a timestamp for completion, the student or parent who made the request, the enrollment information for the student, and the recipient of the record.	D				

Features	Mandatory or Desired?	DataCation Compass	eScholar myTrack	Schoolnet	Notes
Student and parent users of record exchange will be able to view information regarding record exchange transactions that includes a unique transaction number, a timestamp for completion, the student or parent who made the request, the enrollment information for the student, and the recipient of the record.	M				
Central contact information will be stored and displayed for SUNY and CUNY.	D				
LEA contact information will be stored and displayed.	M				
LEA contact information will be available for parent and student users of the record exchange functionality to submit corrections for record exchange data.	M				
Parents and students will be able to print and/or save complete records in print-friendly HTML or PDF format.	M				
For Record Exchange purposes, the system shall display both local and statewide course codes (short and long names).	M				
Assessment Data					
Local system administrators will have full administrative access to usage logs.	M				
Dashboards will support the display of NY and CCSS-aligned assessment information with details at the standard-breakdown level for assessment scores, responses, names, and cut scores.	D				
Dashboards will support the display of NY and CCSS-aligned assessment information with details at the standard-breakdown level for item scores, responses, and item mapping to standards.	D				
Dashboards will support the display of assessments not aligned with NY or CCSS with details at the level of assessment score(s), assessment name, and cut scores .	D				
Dashboards will support the display of running record assessments, with details, as provided by source data through the SLI, at the level of assessment score(s), assessment name, and cut scores .	D				
Dashboards will provide pre-formatted views to display the results	D				

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of a single assessment for a selected group of students.					
Dashboards will provide pre-formatted views to display the results of multiple assessments for a selected group of students.	D				
Dashboards will provide Learning Maps, or graphical representations of one or more students' progress along the Common Core state standard on one state or local assessment.	D				
Dashboards will provide Learning Maps, or graphical representations of one or more students' progress along the Common Core state standard on multiple state or local assessments.	D				
Dashboards will provide re-aggregated summary data to compare selected sets of students with other sets (e.g. state, country, district, peer schools).	D				
Beginning in 2014, dashboards will display grades 3-11 assessment data in ELA and math generated by PARCC, with links to user-facing information on interpreting scores.	M				
A recommendation engine will provide links between data and related instructional content.	D				
Early Warning Indicator Flags					
Student absence will be displayed for the year to date (with specific dates), and for current and all prior years.	M				
Student absences will be displayed by period/course, subject to availability.	D				
Student tardiness will be displayed by year to date (with specific dates), and for current and all prior years.	D				
Dashboards will display Early Warning Indicator Flags (EWIF) for students in grade 5 and above. EWIFs will graphically represent student progress towards graduation with at least three levels of risk displayed utilizing various benchmarks and thresholds.	M				
EWIFs will be based on research and data that includes, at minimum, attendance, serious behavior incidents, and course performance.	M				

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EWIFs will be refreshed whenever system data are refreshed.	M				
EWIFs will be customizable for local administrators to determine how to weight different criteria (e.g., adjustment of the Attendance, Behavior, or Course thresholds) via a system interface.	D				
General Dashboard Features					
Different user roles will display different dashboard landing pages.	D				
Individual users will be able to customize their dashboard landing page.	D				
Dashboards will display local course codes.	M				
Dashboards will display statewide course codes.	D				
Dashboard user interfaces will be customizable in order to be consistent with other EngageNY Portal applications.	D				
Dashboards will include online tutorials, help documentation, a searchable help index, and contextual help.	D				
Dashboards will appear on Android, Windows, and iPhone devices either on the web or as native apps.	D				
Dashboards will display student biographical, enrollment, and performance data in a spreadsheet-like format.	M				
Dashboards will provide groupings of student information, such as name, grade, attendance, or assessment results.	M				
Educators can sort views by student information, or by performance information.	D				
Educators can view and filter students based on up to 20 pre-set attributes, such as EWIF status, race/ethnicity, gender, English Language Learner status, disability status, poverty, etc.	M				
Educators can view student-level and aggregate data by class, school, district, and state.	M				
Educators can view student-level and aggregate data by non-geographic/arbitrary groupings of schools, districts, and regional networks.	M				
All data columns will support multi-sort.	D				

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Each view will provide aggregate and summary data for what is being presented (total # of students, average class performance, etc.).	D				
Dashboards will provide a basic legend for interpreting each pre-formatted view.	M				
Users can select and order data displayed in the dashboard.	D				
User configured displays can be saved and managed for future access.	D				
Users can share configured displays with other users.	D				
Educators can save students into groups for later retrieval.	D				
Educators can share groups of students with other users, assuming access.	D				
Dashboards will provide print-friendly HTML or PDF capabilities for each view, including student profiles.	M				
Dashboard views will be exportable into Excel and/or CSV for offline analysis.	M				
Students will be identified using both state and local identifiers, displaying the local identifier in most cases.	D				
Dashboards will time out after a period of inactivity.	M				
Dashboards will save and restore user-generated information and last page viewed following login after timeout due to inactivity.	D				
Data will be transmitted over HTTPS. Either session-based encryption or message-based encryption shall be used to encapsulate the data.	M				
Dashboard web interfaces will be compatible with two of the following: Internet Explorer, Mozilla Firefox, Chrome, and Safari and support a minimum of 128 bit encryption.	M				
Users will be able to link directly to specific views in their browsers.	D				
Parent Views					
Parents/guardians will be able to log in once to see information for multiple students/children.	M				

Features	Mandatory or Desired?	DataCation Compass	eScholar myTrack	Schoolnet	Notes
Dashboards will include translation guides of all parent and data view screens, walkthroughs and other content including help text and end-user documentation, into English and Spanish.	M				
Dashboards will include on-screen Spanish language versions of all parent views, walkthroughs and other content including help text and end-user documentation.	D				
Dashboards will include cost-effective translation guides or translations of all parent views, walkthrough and other content, including help text and end-user documentation, into Arabic, Bengali, Mandarin Chinese, French, Haitian-Creole, Korean, Russian, and Urdu.	D				
Parent users will be able to select their language of choice before continuing into the system.	D				
Context help for student profiles will be available in the language selected by the user.	D				
Dashboards will provide "walkthrough" information for parents to help them understand grade 3-8 state and Regents assessment data.	D				
Local administrators can suppress individual data elements from parent views.	D				
Parents will see the same data and interface available to teachers.	M				
Users will be able to navigate from the dashboard into other EngageNY Portal applications.	M				
Student Profiles					
Users will be able to add, retrieve, and share private notes added to specific student profiles as long as they have access to those student profiles.	D				
Student profiles will include comprehensive information available for the student and will be organized by summary data, course schedules and grades, attendance, assessment, biographical data, transcript, and program participation.	M				
Student profiles will display GPA where available.	D				



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Features	Mandatory or Desired?	DataCation Compass	eScholar myTrack	Schoolnet	Notes
Student profiles will display the total number of credits accumulated for each high school student.	D				
Student profiles will display disciplinary incident information.	D				

What to Expect: Data Dashboard Presentations

The twelve (12) regional product presentations and the statewide webinar are an opportunity for school and district representatives to see and evaluate the quality of product presentations from the three data dashboard providers and ask questions in a live forum. These presentations will accommodate the needs and interests of district representatives to help them make an informed decision about which data dashboard application best suits local needs.

NYSED has recommended that vendors structure the presentations to reflect a user's experience of the dashboard to the greatest degree possible, anticipating and answering questions that the everyday user will have.

What to Expect: Data Dashboard Costs

Background

When districts contract for educational technology services, they are paying for two things: (1) the cost of the vendor's product and (2) the overhead cost to "integrate" the product, or ensure that it works with local data systems, local user accounts, and the rest of the district's technology portfolio.

To address this issue, and to expand educational technology options for states and districts, the non-profit organization inBloom Inc. is providing many of the underlying services upon which the ENYP will rely. ENYP-compatible tools must be built upon inBloom's open, non-proprietary, and secure standards for data storage, access, and exchange. Tools built to these standards will work "out of the box," reducing the cost of providing access to local users and integrating these products with local data and instructional content.

Overview of Costs

The table below captures all of the costs that may be incurred by districts who elect to continue using the data dashboard applications and the underlying technology beyond the period of Race to the Top funding.

School Year	Costs				Optional Additional Costs
	DataCation Compass	eScholar myTrack	Schoolnet	inBloom services	
2013 – 2014	Free; funded through RTTT.				Districts that elect to add local data into the inBloom data store that powers the data dashboards may incur additional costs from the vendors who currently maintain or store this data.
2014 – 2015	Free; funded through RTTT.			Anticipated funding through RTTT	
2015 – 2016	\$1 / student	\$3 / student	\$0.85 / student	\$2-5 / student	
2016 – 2017	\$1 / student	\$3 / student	\$0.85 / student	\$2-5 / student	
2017+	SED funding and statewide negotiated prices are no longer in effect.			\$2-5 / student	

The data dashboard costs identified above are also subject to statewide volume discounts. If 250,000 or more licenses are selected for one of the products, each license will be subject to a 5% discount. If 500,000 or more licenses are selected, each license will be subject to a 10% discount. These volume discounts will remain in effect through NYSED's contract term with the data dashboard vendors. Vendors may also offer additional discounts.

NYSED's contract term with dashboard vendors ends in September 2017. Districts interested in continuing to license these solutions must use local procurement vehicles, but are under no obligation to do so.

The \$3-5 inBloom license cost will likely fall over time as the volume of districts using the inBloom services increases. inBloom compliant applications can be incorporated into your district technology portfolio at no additional cost.

Data Dashboard Cost Calculator

The interactive Data Dashboard Cost Calculator accompanying this guide provides a simple model of the data dashboard costs for the 2015-2016 and 2016-2017 school years, during which the data dashboards will be available at the costs identified above.

EngageNY Portal/inBloom Cost Calculator

The interactive EngageNY Portal cost calculator that accompanies this guide allows districts to review the cost of inBloom's services in the context of their existing and future set of educational technology tools.

Next Steps

Selecting a Data Dashboard

If you are an authorized district, BOCES, or charter school representative, you may log in to <https://portal.engageny.org/> after the product demonstrations begin to make your data dashboard selection. This selection can be modified throughout the selection period ending on October 31st, at which point it will be fixed until selection re-opens in 2014.

Questions?

If you have questions about the specific data dashboard applications, please use the vendor contact information at the beginning of this document.

For general questions about the EngageNY Portal or the selection process, please email portal-help@engageny.org or call 1-855-252-6900.