



DISTRICT OF COLUMBIA
PUBLIC SCHOOLS

RFP for Data & Professional Growth Platform

J.10: Detailed System Requirements

The following outlines the detailed user requirements for the Platform, organized by objective and by the IT projects below.

- A. Data Management
 - A.1 Data Audit and Issue Resolution Approach
 - A.2 Data warehouse and business intelligence (BI)
 - A.3 Data integration
- B. Professional Growth
 - B.1 Professional Growth content management
 - B.2 PD management
 - B.3 Collaboration
 - B.4 Usage management
 - B.5 Expert identification

IT Projects - Detailed System Requirements

Key: PG-Professional Growth, TD-Teacher Data, SD-Student Data

IT Project Number	IT Project Name	Level 0 Requirement	Level 0 Requirement Details	Level 1 Requirement	Level 1 Requirement Details	Level 2 Requirement Number	Level 2 Requirement Details	Timeline	Blueprint Priority	Basic/Advanced	EET Initiative	Responsible	Accountable	Consulted	Informed	Comments		
A.2	Data warehouse and business intelligence (BI)	Teacher Data	Consolidated view of teacher data	TD.1	Allow teachers to view their own IMPACT assessment information and results, including current and historical results	TD.1.a	Interface with IMPACT Quickbase to view IMPACT scores and comments for all groups of standards	v1.0										
A.2	Data warehouse and business intelligence (BI)	Teacher Data	Consolidated view of teacher data	TD.1	Allow teachers to view their own IMPACT assessment information and results, including current and historical results	TD.1.b	Interface with IMPACT Quickbase to view IMPACT assessment information (e.g., dates of observation, assessor name, number of students in classroom, etc.)	v1.0										
A.2	Data warehouse and business intelligence (BI)	Teacher Data	Consolidated view of teacher data	TD.3	Allow administrators to input and manage IMPACT assessment information	TD.3.c	Create the ability for privileged users to run reports on the IMPACT data	v1.0										
A.3	Data integration	Professional Growth	Professional Growth support	PG.10	Linking tools used daily by teachers	PG.10.a	Link to district-wide calendars	v1.0										
A.3	Data integration	Professional Growth	Professional Growth support	PG.10	Linking tools used daily by teachers	PG.10.b	Link to gradebooks	v1.0										
A.3	Data integration	Professional Growth	Professional Growth support	PG.10	Linking tools used daily by teachers	PG.10.c	Ability to log in to important DCPS systems without users needing to enter in log in information multiple times. Systems include: DCPS e-mail, PD Planner, DC-STARs, PeopleSoft, Wireless Generation DIBELS & Burst, SEES, ThinkLink Online, Read 180, GOLD assessment, and IGP	v1.0										
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.a	Delivery of video demonstrating exemplary practice for each Teach and curriculum standard	v1.0		Y							Could easily use the content currently on YouTube, need to add tagging capability	
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.c	Organized access to other external professional growth resources (e.g., links to external websites)	v1.0		Y								
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.e	The ability to rate (and see ratings for) all content	v1.0										
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.f	Interface with IMPACT QB to view written administrator and master educator feedback with IMPACT results	v1.0		Y							Might need to use dummy data, as this is very sensitive.	
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.g	Interface with Peoplesoft so that administrators, master educators, coaches, and building administrators can suggest professional development opportunities, articles, or online resources	v1.0										
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.h	Ability for administrators, master educators, coaches, and building administrators to suggest external professional development opportunities (e.g. conferences)	v1.0										
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.9	Allow privileged users to manage professional growth resources	PG.9.b	Ability for privileged users to import, tag, and organize video content	v1.0										
B.2	PD management	Professional Growth	Professional Growth support	PG.2	Allow teachers to manage their own participation in professional development programming, including coursework	PG.2.c	Viewing platform usage records	v1.0										
B.2	PD management	Professional Growth	Professional Growth support	PG.5	Generate tailored suggestions for professional growth content and professional development programming	PG.5.b	Personalized automatic suggestions based on teacher data (e.g., teachers could click on an IMPACT score and view related professional growth content)	v1.0										
B.2	PD management	Professional Growth	Professional Growth support	PG.9	Allow privileged users to manage professional growth resources	PG.9.c	Ability to define rules for automatic suggestions	v1.0										
B.2	PD management	Professional Growth	Professional Growth support	PG.9	Allow privileged users to manage professional growth resources	PG.9.f	Ability for privileged users to create, modify and delete user accounts	v1.0										
B.3	Collaboration	Professional Growth	Professional Growth support	PG.11	Facilitate communication between groups in DCPS	PG.11.a	Communicate with large groups of educators in a streamlined, targeted manner (announcements from various departments in Central Office, announcements to certain groups of teachers)	v1.0		Y								
B.3	Collaboration	Professional Growth	Professional Growth support	PG.11	Facilitate communication between groups in DCPS	PG.11.b	Manage educator tasks (created by Central office or other applications and fulfilled by teachers)	v1.0										
B.3	Collaboration	Professional Growth	Professional Growth support	PG.11	Facilitate communication between groups in DCPS	PG.11.d	Summarize all current announcements on a weekly basis	v1.0										
B.3	Collaboration	Professional Growth	Professional Growth support	PG.11	Facilitate communication between groups in DCPS	PG.11.e	Host commonly-used reference documents	v1.0										
B.3	Collaboration	Professional Growth	Professional Growth support	PG.11	Facilitate communication between groups in DCPS	PG.11.f	Connect educators with Central Office staff who can address their needs	v1.0										
B.3	Collaboration	Professional Growth	Professional Growth support	PG.11	Facilitate communication between groups in DCPS	PG.11.g	Search function to help users find site content (including attachment search)	v1.0										
B.4	Usage management	Professional Growth	Professional Growth support	PG.7	Recognize and reward teachers for use of platform	PG.7.a	Creating "power user" or "star user" status, based on usage	v1.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.a	View student grades (test grades, quiz grades, homework grades, report cards). May require interfacing with multiple systems listed on Section C.4.4.1	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.b	Interface with SEES to view special education academic metrics and other results (e.g. psychological evaluation results)	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.c	Interface with SST to view student discipline incidents by type (e.g., in-school suspension, out-of-school suspension) and by cause	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.d	Interface with DC-STARs to view student attendance by class session	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.e	Interface with Wireless Generation to view teaching interventions by type (Burst, READ 180, IEP interventions)	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.f	Interface with DC-STARs to view student attendance interventions	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.g	View informal student interventions	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.h	Interface with IGP to view individual student Graduation Plans	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.i	View early warnings for students not on track to graduate. This may require interfacing with multiple systems listed in Section C.4.4.1	v2.0										
A.1	Data audit	Student Data	Consolidated view of student data	SD.3	Expand the student information reports	SD.3.j	Interface with DC-STARs to view student graduates list	v2.0										
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.1	Allow teachers to generate and view reports of student academic performance	SD.1.a	Interface with DC-STARs, and Wireless Generation DIBELS & Burst system to generate reports of summative evaluation data (DC CAS or DC CAS-Alt, DIBELS, TRC), by subject and by standard	v2.0										

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A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.1	Allow teachers to generate and view reports of student academic performance	SD.1.b	Interface with Thinklink to generate reports of formative assessment data (DC BAS, interim assessments, class tests), by subject and by standard	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.1	Allow teachers to generate and view reports of student academic performance	SD.1.c	Generate reports aggregated for multiple time periods	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.1	Allow teachers to generate and view reports of student academic performance	SD.1.d	Generate reports aggregated at various levels (e.g., individual student, classroom, school)	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.1	Allow teachers to generate and view reports of student academic performance	SD.1.e	Generate reports comparing performance of arbitrary teacher-defined groups (e.g., clubs, intervention programs)	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.2	Allow teachers to view and update comprehensive student information	SD.2.a	Interface with DC-STARs to access student personal information (e.g., address, phone number, parent/guardian name, emergency contact, health and disability info, school history, home language, headshot, in-boundary status, who is allowed to pick student up from school)	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.2	Allow teachers to view and update comprehensive student information	SD.2.b	Interface with DC-STARs to access student course schedule (instructors, classes, times, room #'s)	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.2	Allow teachers to view and update comprehensive student information	SD.2.c	Access teacher comments on individual students	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.2	Allow teachers to view and update comprehensive student information	SD.2.d	Access parent interactions (e.g. track which parent-teacher conferences were attended)	v2.0									
A.2	Data warehouse and business intelligence (BI)	Teacher Data	Consolidated view of teacher data	TD.3	Allow administrators to input and manage IMPACT assessment information	TD.3.a	Create the ability for privileged users to input IMPACT assessment results	v2.0									
A.2	Data warehouse and business intelligence (BI)	Teacher Data	Consolidated view of teacher data	TD.3	Allow administrators to input and manage IMPACT assessment information	TD.3.b	Create the ability for privileged users to update the IMPACT framework	v2.0									
A.2	Data warehouse and business intelligence (BI)	Teacher Data	Consolidated view of teacher data	TD.3	Allow administrators to input and manage IMPACT assessment information	TD.3.d	Create the ability for other support personnel to upload notes or feedback to a teacher	v2.0									
A.3	Data integration	Professional Growth	Professional Growth support	PG.10	Linking tools used daily by teachers	PG.10.d	Ability to log in to important DCPS systems without users needing to enter in log in information multiple times. Systems include: CollegeBoard, Schools DataLink, Early Stages and Steps Tracker, and the Blackman-Jones Database, and CAASS	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.b	Interface with DC-STARs and Peoplesoft to store and organize high-quality curricular materials and all supplemental materials associated with district-supported PD (e.g., sample lesson plans, curriculum scope and sequence, syllabi for coursework, etc)	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.d	The ability to allow teachers to check their mastery of PD content (e.g., quizzes)	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.i	Ability for teachers, administrators, master educators, coaches and building administrators to suggest professional development for inclusion on the platform (like in PD Planner)	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.1	Provide access to tools and materials that support professional growth	PG.1.j	Ability for teachers to identify interests for professional growth and be alerted when new relevant topics are added	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.4	Facilitate the sharing and building of curricular documents (including unit plans, lesson plans, etc.)	PG.4.a	Ability to rate curricular documents (including unit plans, lesson plans, etc.)	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.4	Facilitate the sharing and building of curricular documents (including unit plans, lesson plans, etc.)	PG.4.b	Ability to build curricular documents (including unit plans, lesson plans, etc.)	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.4	Facilitate the sharing and building of curricular documents (including unit plans, lesson plans, etc.)	PG.4.c	Ability to invite others to view your curricular documents (including unit plans, lesson plans, etc.)	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.4	Facilitate the sharing and building of curricular documents (including unit plans, lesson plans, etc.)	PG.4.d	Access to sample DCPS and external curricular documents (including unit plans, lesson plans, etc.)	v2.0									
B.1	Professional Growth content management	Professional Growth	Professional Growth support	PG.4	Facilitate the sharing and building of curricular documents (including unit plans, lesson plans, etc.)	PG.4.e	Ability to add reflective notes to increase effectiveness	v2.0									
B.2	PD management	Professional Growth	Professional Growth support	PG.5	Generate tailored suggestions for professional growth content and professional development programming	PG.5.a	Personalized automatic suggestions based on student data (e.g. a high number of discipline incidents will link to professional growth content on behavior management in the classroom, low performance on a particular content standard will link to materials supporting that standard) This will require interfacing with one or more of the systems listed in section C.4.4.1	v2.0									
B.2	PD management	Professional Growth	Professional Growth support	PG.9	Allow privileged users to manage professional growth resources	PG.9.d	Ability for privileged users to run reports (e.g., total number of PD hours completed aggregated at various levels, total number of programs available, etc.)	v2.0									
B.3	Collaboration	Professional Growth	Professional Growth support	PG.11	Facilitate communication between groups in DCPS	PG.11.h	Advanced search function to help users find material by tags, content date or content type	v2.0									
B.3	Collaboration	Professional Growth	Professional Growth support	PG.3	Allow teachers to share own content	PG.3.a	Allow teachers to upload pedagogical and curricular materials	v2.0									
B.3	Collaboration	Professional Growth	Professional Growth support	PG.3	Allow teachers to share own content	PG.3.b	Allow expert panel to rate and comment on teacher-submitted content	v2.0									
B.3	Collaboration	Professional Growth	Professional Growth support	PG.6	Allow teachers to engage with colleagues in virtual Professional Learning Communities	PG.6.c	Interface with Peoplesoft to facilitate engagement with Master Educators and/or Instructional Coaches via virtual office hours, seminars, and chat	v2.0									
B.4	Usage management	Professional Growth	Professional Growth support	PG.7	Recognize and reward teachers for use of platform	PG.7.c	Providing access to a game-like environment, similar to Westlaw	v2.0									
A.2	Data warehouse and business intelligence (BI)	Student Data	Consolidated view of student data	SD.1	Allow teachers to generate and view reports of student academic performance	SD.1.f	Generate reports comparing student performance to other classes and schools, including relevant background information (e.g., tenure of teachers, IMPACT scores)	v3.0									
A.2	Data warehouse and business intelligence (BI)	Teacher Data	Consolidated view of teacher data	TD.2	Allow teachers to track their current and historical information	TD.2.a	Interface with Peoplesoft to track HR information (date of hire, employment status, employee ID, School, Subject, IMPACT group)	v3.0									

