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Provides ability to gather and link instructional materials (units, activities, assessments, and resources) to create a unit that includes activities and resources aligned to the content standards to be addressed by the unit	Yes
Provides workflow ability for teachers to submit their instructional materials (units, activities, assessments, and resources) for approval and possible inclusion in a statewide, districtwide or school-wide repository of instructional materials	Yes
Provides workflow ability for appropriate school role to view the status (submitted, pending, approved) of instructional materials (units, activities, assessments, and resources) that have been submitted for state, district and/or school approval	Yes
Provides a structure whereby only certain users are with the appropriate role at school, district, and state level are granted review and approval permissions for those instructional materials (units, activities, assessments, and resources) submitted for approval	Yes
Provides workflow ability for users in the appropriate state, district or school role to submit their teachers,Äô instructional materials (units, activities, assessments, and resources) to a school, district or statewide pool/repository of instructional materials (units, activities, assessments, and resources)	Yes
Provides ability for administrators or curriculum reviewers to manage commentary on submitted instructional materials (units, activities, assessments, and resources) to the creator of the materials from within the application	No
Allows teachers to review and rate materials as they use them with the ability to turn off portions of this by the system administrator as necessary	No
Provides the ability to seek help from instructional 'peers' using a variety of collaborative tools such as social networking and other strategies at the school, district, state, and national level.	Yes
Ability for teachers to copy state, district or school approved instructional materials (units, activities, assessments, and resources) and make their own modifications¬†	Yes

All components in this section are available on multiple web browsers and device platforms including but not limited to Windows, MacOS and ChromeOS.

Yes

Provides the ability for users to create instructional materials (units, activities, assessments, and resources)

Yes

Provides the ability for users to create instructional materials (units, activities, assessments, and resources) with ability to attach a file (graphic, chart, spreadsheet, map)

Yes

Provides the ability for users to create instructional materials (units, activities, assessments, and resources) allowing for streaming video

Yes

Provides ability to create a lesson plan based on an existing unit by selecting a set of activities and assigning to an individual student, a group of students, or entire class for a particular timeframe

Yes

Allows teachers to upload lesson plans linked to curriculum by standard or topic, course, and unit.

Yes

Supports team teaching and other instructional scenarios where more than one staff member provides instruction to the students¬†¬†

Yes

Permits users to create lesson plans with a common template base with customizable features with lesson aligned to multiple content standards, multiple learning targets, and multiple subjects

Yes

Permits users to create lesson plans with a common template base with customizable features with time required to complete the lesson¬†

Yes

Permits users to create lesson plans with a common template base with customizable features with differing procedures for various student groups (e.g. ELL, AIG)

Yes

Permits users to create lesson plans with a common template base with customizable features with objectives to be covered in the lesson identified¬†

Yes

Permits users to create lesson plans with a common template base with customizable features with free format teacher comments about the lesson

Yes

Permits users to create lesson plans with a common template base with customizable features with the ability to attach supplemental files (e.g., hand‚Äëouts, assignment, assessments, supplemental information)¬†

Yes

Permits users to create lesson plans with a common template base with customizable features with a list of assignments and/or assessments that are aligned with the lesson Yes

Permits users to create lesson plans with a common template base with customizable Yes

features with a list of assignments and/or assessments that are aligned with the lesson

Provides the ability to duplicate lesson plan for multiple class sections	Yes
Provides the ability to roll content over from year to year	Yes
Tracks lessons assigned to each student over the course of the student‚Äôs enrollment in the district	Yes
Allows users to submit lesson plans, using a district approved template, for their principal or other designated approval organization	Yes
Ability for users with appropriate permissions to view the lesson plans of those teachers in their building	Yes
The system provides for a formal review process of teacher-designed lesson plans using workflow for review by the curriculum development team	Yes
The system provides the ability to create, store and share lesson plans for substitutes, other teaching types- para-professionals, co teachers, etc.	Yes
The system has a process of bookmarking within a course, which allows students to return to the last assessed portion of the course.	Yes
The system has a process of creating and using a checklist and any additional functionality.	Yes
Provides or is able to integrate with a content management system (or learning object repository) with ability to drag/drop lesson items to build a lesson plan.	Yes
Accommodates hybrid or blended learning modes (e.g. face-to-face, online, etc.)	Yes
Maintains lesson plans longitudinally	Yes
System provides the capability to analyze lesson plans to determine rigor	Yes
System accommodates customizable layout and design	Yes
System utilizes drag and drop content creation and management	Yes
Provides a calendar view (month, week, day) for lessons, assignments, assessments for teachers and students	Yes
Does the system‚Äôs course calendar integrate with Outlook	Yes
Does the system‚Äôs calendar link to assignments and activity with due dates, upcoming tests, and other course and school events	Yes
The system has the ability to produce and deliver surveys, polls, questionnaires.	Yes

Assistive technologies are configured into and/or made accessible in the system as required	Yes
Allows for integration with integrated learning systems or other 3rd party systems	Yes
The system provides comprehensive support features and resources customized for each end user.	Yes
The system is able to provide secure drop-boxes and shared folders for file exchange among students and instructors and allows for bulk downloads of attached files.	Yes
The system allows the student to access course folders that contain lessons, worksheets, assignments, etc.	Yes
The system offers options for student submission, e.g. free form text, audio, etc.	Yes
The system features, processes and controls of automated selective release of modules and assignments based on scores, dates and completion.	Yes
Exports curriculum content and lesson plans including aligned content standards with online systems such as Moodle, Blackboard, Brain Honey, etc.	Yes
Provides daily update of class rosters with online systems such as Moodle, Blackboard, Brain Honey, etc.	No
Provides item selection from item bank for online system assessment with online systems such as Moodle, Blackboard, Brain Honey, etc.	No
Imports assessment scores and item information from online systems such as Moodle, Blackboard, Brain Honey, etc.	Yes
Provides a student search tool that allows users to find course material based on keyword, learning target/object, or any other learning object metatag	Yes
Provide teachers with an overview of all of their course sections upon login including student roster	Yes
Provide teachers with an overview of all of their course sections upon login including historical assessment results	Yes
Provide teachers with an overview of all of their course sections upon login including historical assessment results including historical grades	Yes
Provide teachers with an overview of all of their course sections upon login including historical assessment results including lessons planned for the day by class	Yes
Provides teachers with various views of their lesson plans including daily, weekly, and monthly	Yes

Provides ability for teachers to create differentiated learning groups based on data and reports	Yes
Provides ability for teachers to create templates by student type	Yes
Allows a student to be a member of multiple groups	Yes
Allows differentiated lesson plans to be assigned to one or more groups	Yes
Allows for team-teaching and sharing of lesson planning with support teachers	Yes
Allows the opportunity to track trend assessment data to detect teacher performance issues¬†	Yes
Ensures notification of new/withdrawn student is available to teachers in near real time	Yes
The system has the ability for teachers to post announcements using a variety of communication formats and delivery methods.	Yes
The system has the ability to create and deliver online quizzes and exams.	Yes
Notification of activity in course	Yes
Notification of activity in course	Yes
Audio/video recording	Yes
The system has a process of creating, updating, and sharing journals, blogs, discussion boards or forums for asynchronous discussions	Yes
The system has a mobile application available for all operating systems	No
Permits students to submit assignments for individual grades¬†	Yes
Supports a full-range of student registration tools to add students to and drop students from an online course. Administrators and/or instructors use registration tools but students also use them when self-registration is available.	Yes
Provides course management tools for the instructor to control the progression of an online class through the course material.	Yes
Provides for automatic notification of learners to important information such as add or drop confirmation, changes of class meeting time and place, and uncompleted work.	Yes
Ability to control the progression of a class or specify the date and duration of the release of course content, resources, tests, discussions, etc. based on user, performance, or other prerequisite criteria.	Yes
Provides conflict identification and resolution ‚Äì multiple enrollments in the same	No

coursework is flagged, especially after successful completion by the participant.

The system has the ability to release course content and assessments on a schedule or preprogramed basis for easy student access.	Yes
Supports social networking collaboration tools for information sharing¬†	Yes
Supports email and calendaring outside of the system as well as inside¬†	Yes
Accommodates template/wizard driven creation of teacher websites within the system¬†	Yes
Provides for student discussion forums	Yes
Allows students and/or teachers to have a private group area to communicate and share files	Yes
Allows students and/or teachers to change the status of their group from private to public when ready to share	No
Allows students and/or teachers to change the status of their group from private to public when ready to share	No
Provides the ability to create discussion/communication area for teacher teams	Yes
Provides for teacher forum/communications by course	Yes
Supports and captures real-time chat	Yes
Supports voice (VoIP, landline, cell phone) and video conferencing	Yes
Provides an audio tool to support chats with the ability to record and replay on demand	Yes
Supports virtual whiteboard for course delivery, screen sharing, webcasting, web meetings (e.g. Elluminate, WebEx, Adobe Connect, etc.)	Yes
Supports a log area to note communications with parents and students	Yes
Allows for "Announcement" mechanism as students log into system or course to provide textual and audio announcements	Yes
Allows for "Announcement" mechanism as students log into system or course to provide video links	Yes
Allows for "Announcement" mechanism as students log into system or course to provide multi-media	Yes
Allows for "Announcement" mechanism as students log into system or course to provide interactive learning objects	Yes

The system has the ability to incorporates and/or connects with a variety of synchronous and asynchronous text chat, voice, and video communication tools	Yes
The system has a process of developing collaborative groups within a course.	Yes
The system has a process of creating, updating, assigning and sharing badges.	Yes
The system has a process of allowing parents access to their student's coursework and a description of the content they can view. This should include but not limited to the merging of sibling accounts, access by multiple yet unique parents, etc.	Yes
The system offer various types of email and other communication e.g. teacher to student, student to teacher, teacher to parent, and the controls available to restrict these settings on a course-by-course basis.	Yes
Ability to import and/or create a variety of item types to include, but not limited to, constructed response, multiple choice, drag and drop, true-false, matching, short response, extended response, and essay.	Yes
Ability to import and/or create a variety of performance based assessment item to include, but not limited to, rubrics, anchor papers, multi-media and 3D artifacts, and teacher observations.	Yes
Allows staff to create items on the fly by copying and pasting from word processing documents or other files	Yes
Ability to restrict individual users/groups from adding items or modifying existing items based on school preference.	Yes
Allows question text to be enhanced with underline, bold, italics, superscripts, subscripts, fractions, etc.	Yes
Allows for mathematical equations, graphics editors, "virtual manipulatives", and other equation editing capabilities.	Yes
Provides links between assessment items and their associated reading selections.	Yes
Provides the ability to tag and select assessment items by author	Add-on feature/ package at an additional cost
Provides the ability to tag and select assessment items by creation/modification date	Yes
Provides the ability to tag and select assessment items by difficulty level (for	Add-on

assessment items 1-4 with 4 highest)	feature/ package at an additional cost
Provides the ability to tag and select assessment items by grade level (range)	Add-on feature/ package at an additional cost
Provides the ability to tag and select assessment items by item type (multiple choice, true-false, extended response, etc.)	Yes
Provides the ability to tag and select assessment items by resource classification (assessment, instruction, PD, learning, etc.)	Add-on feature/ package at an addition al cost
Provides the ability to tag and select assessment items by standards (Content standards, Teaching standards, etc.)	Yes
Provides the ability to tag and select assessment items by subject	Add-on feature/ package at an addition al cost
Stores the following information for each item, where appropriate scoring rules (correct answer, points for each response option, points for item)	Yes
Stores the following information for each item, where appropriate scoring rubric	Yes
Stores any original statistics and calculates new statistics for each item by IRT discrimination (difficulty, pseudo-guessing, DIF (item bias).	Yes
Stores any original statistics and calculates new statistics for each item by p-value (probability)	No

Maintains secure answer keys, scoring rubrics for polytomous items, associated resources such as anchor papers, annotations, training sets, and qualifying sets.	No
The system has the ability to associate rubrics or scales with assignments.	Yes
Ability to store audio files, video files (adheres to most current content standards for presentation of video), interactive objects, and test-taker tools (physical and virtual) such as rulers, calculators, and protractors.	Add-on feature/ package at an addition al cost
Allows for separation of district benchmark assessment items from other teacher-developed assessment items	Yes
Ability to mark items as "anchor items" (e.g. common item, linking item) specifying what other forms contain this item.	No
Allows items tagged as "anchor items" to be viewable as a list of items across forms that are unique versus common.	No
Maintains an audit trail that identifies the person who creates uses, modifies or deletes an item and includes the date of each action.	Yes
Allows assessment author to specifically order questions on the assessment.	Yes
Provides a spelling checker while in authoring mode.	Yes
Provides a grammar checker while in authoring mode.	3rd Party Vendor
The system provides tools for creating assessments with multimedia, interactivity, and other methods.	Yes
The system has a process that will allow teachers to create their own test bank and share with colleagues at the site or district level.	Yes
Accommodates paper-based assessments in multiple formats including rubric scored	Add-on feature/ package at an addition al cost
Accommodates paper-based assessments in multiple formats including checklist	Customi

	zation at an additional cost
	Add-on feature/ package at an additional cost
Accommodates paper-based assessments in multiple formats including multiple choice	
Accommodates paper-based assessments in multiple formats including open ended	No
Accommodates paper-based assessments in multiple formats including short-answer	No
Accommodates paper-based assessments in multiple formats including essay	No
Accommodates paper-based assessments in multiple formats including technology enhanced	No
Accommodates computer-based/online assessments in multiple formats including rubric scored	Yes
Accommodates computer-based/online assessments in multiple formats including checklist	Yes
Accommodates computer-based/online assessments in multiple formats including multiple choice	Yes
Accommodates computer-based/online assessments in multiple formats including open ended	Yes
Accommodates computer-based/online assessments in multiple formats including short-answer	Yes
Accommodates computer-based/online assessments in multiple formats including essay	Yes
Accommodates computer-based/online assessments in multiple formats including drag and drop	Yes
Accommodates computer-based/online assessments in multiple formats including technology enhanced	Yes
Provides accessibility options to meet presentation accommodations including, but not limited to ability to self-select print size or magnification	Add-on feature/

	package at an additional cost
Provides accessibility options to meet presentation accommodations including, but not limited to provides graphics and text-based user interfaces	Yes
Provides accessibility options to meet presentation accommodations including, but not limited to minimize scrolling difficulties	Yes
Provides accessibility options to meet presentation accommodations including, but not limited to minimize negative effects of magnification on graphics and tables	Yes
Provides accessibility options to meet presentation accommodations including, but not limited to ability to self-select audio (screen reader), alternate language, or signed versions of instructions and test items, where appropriate	Yes
Provides accessibility options to meet presentation accommodations including, but not limited to ability to use color contrast for background and overlying text (high contrast resolution).	Yes
Provides virtual tools required for student response to questions (e.g., rulers, protractors, etc.).	Add-on feature/ package at an additional cost
Supports the ability for students taking the online assessment to change answers for each section of the assessment before submitting the test.	Yes
Allows continuous and automatic saving of student responses during an assessment.	Yes
Allows for rubric-grading scales of assessment items.	Yes
Allows district to perform calculations on student scores.	Yes
Provides for the management of growth of students by raw score and proficiency level (Level 1, 2, 3, 4).	Yes
Ability to sort assessment results by content standards or strands by raw scores	Yes
Ability to sort assessment results by content standards or strands by percent correct	Yes
Provides the ability to export scored and unscored responses from the database with unique response ID associated with each response.	Yes

	Add-on feature/ package at an additional cost
Permits administrating tests online, on multipage regular paper forms.	
The system has the ability of notifying student and teacher of submissions that need to be graded and/or reviewed after being graded.	Yes
The system allows for user defined analytics	Yes
Permits teachers to schedule either an assignment or assessment into their and their students‚Äô individual calendars	Yes
Includes the ability to attach criteria of expected performance (e.g. rubric) to the assessment	Yes
Provides the ability to grant a teacher view only or edit rights to another teacher's section or gradebook	Yes
Provides the ability to customize gradebooks at course level (course administrators only)	Yes
Provides the ability to have flexible grading options (ability to fit SRG gradebook constrictions at administrative level only)	Yes
The system provides robust tools or methods for teachers to efficiently grade items and communicate results to students	Yes
The system provides a process in which a teacher grades student course submissions via multiple devices and multiple operating systems. This should include the required apps and platform requirements.	Yes
The system has a process upon which term and final grades will be uploaded into the SIS	Yes
The system has exam and quiz administration tools	Yes
Provides a mechanism for instructor to provide feedback on student assignments	Yes
The system is able to mass populate columns such as assignments, discussions, quizzes, etc.¬†	Yes
The system has the ability to enter grades and grade comments/feedback by teachers and students to communicate via type written, video and audio means.	Yes

The system has the process of setting grading periods at the district or site level.	Yes
The system has the ability to retain and retrieve student grades on demand	Yes
The system has the ability to remove a student from a course even if they have existing grades but will retain the information within the system until the contract for service terminates.	Yes
Provides the option of automatically importing assessment scores into the District Student Information System grade book	Yes
Ability for teachers to view tracking tools which give them reports such as how frequently students are logging in, what pages the student has viewed, and what tasks have been completed	Yes
Ability for teachers to view assessment results by student by standard for a particular time period	Yes
Ability for teachers to view item analysis ‚Äì assessment results by student by item (including distracter choice)	Yes
Provides ability for the teacher to view assessment results by proficiency levels on the sections and subsections by student	Yes
Provides ability for the teacher to view assessment results by proficiency levels on the sections and subsections by class section	Yes
Provides ability for the teacher to view assessment results by proficiency levels on the sections and subsections by aggregate class comparison data	Add-on feature/ package at an additional cost
The system provides learning analytics and in-depth data gathering/reporting to monitor learning outcomes.	Yes
Provides all reports and data points previously defined for teachers rolled up to building and/or district level as appropriate.	Yes
Provides for an ad hoc reporting tool for "power users" to create custom reports, dashboards and other data analysis tools	Yes
The system has the ability to track and report student success based on specific learning competencies or outcomes	Yes
The system has the ability to generate certificates based on outcome attainment, and	Add-on

provides tools to manage, deliver, and track certificates.	feature/ package at an additional cost
Supports a secure parent/guardian login to a portal supporting access to all students for whom they have guardianship	Yes
Provides comprehensive student profile including grades (with assignments)	Yes
Provides comprehensive student profile including class assessments and assignments	Yes
Provides comprehensive student profile including activities, lessons, or resources to help student reach content standards not yet mastered	Yes
Provides comprehensive student profile including student stored work	Yes
Provides comprehensive student profile including progress reports	Yes
Provides for class specific information that optionally permits class announcements	Yes
Provides for class specific information that optionally permits teacher phone and email contacts	Yes
Provides for class specific information that optionally permits class syllabus	Yes
Provides for class specific information that optionally permits course of study	Yes
Provides for class specific information that optionally permits homework assignments	Yes
Provides for class specific information that optionally permits reading lists	Yes
Provides access to portal containing comprehensive student profile including student demographics	No
Provides access to portal containing comprehensive student profile including student class schedule	No
Provides access to portal containing comprehensive student profile including teacher grade book by class	Yes
Provides access to portal containing comprehensive student profile including class assignments	Yes
Provides for access to classroom specific web pages that optionally permits class announcements	Yes
Provides for access to classroom specific web pages that optionally permits teacher	Yes

phone and email contacts

Provides for access to classroom specific web pages that optionally permits class syllabus	Yes
Provides for access to classroom specific web pages that optionally permits homework assignments	Yes
Provides for access to classroom specific web pages that optionally permits homework lockbox for student submission of work	Yes
Provides for access to classroom specific web pages that optionally permits links to videos and podcasts	Yes
Provides online and print versions of documentation with internal hotlinks to include LMS modular description	Yes
Provides online and print versions of documentation with internal hotlinks to include FAQs	Yes
Provides online and print versions of documentation with internal hotlinks to include procedural "how to" documentation, step by step manual	Yes
Provides online and print versions of documentation with internal hotlinks to include administrator's user guide	Yes
Provides online and print versions of documentation with internal hotlinks to include Quick Start user guide	Yes
Provides end-users (students, parents, teachers, and administrators) online help within the application that is context sensitive and is searchable with predictive searching for keyword(s), concept(s), metatag, or phase	Yes
Provides end-users (students, parents, teachers, and administrators) online help within the application that is context sensitive and is searchable with predictive searching for index or table of contents	Yes
Provides end-users (students, parents, teachers, and administrators) online help within the application that is context sensitive and is searchable with predictive searching for procedural help with specific tasks	No
Provides end-users (students, parents, teachers, and administrators) online help within the application that is context sensitive and is searchable with predictive searching for media type	Yes
Provides end-users (students, parents, teachers, and administrators) online help within the application that is context sensitive and is searchable with predictive searching for	No

roll-over

Provides end-users (students, parents, teachers, and administrators) with online tutorials that are of a procedural nature in the use of all LMS system components

Includes a complete technical manual and data dictionary, including installation procedures, table definitions, data formats for text, images, and metadata, links between and among tables, complete descriptions of all table elements, data flow descriptions and diagrams, detailed descriptions of all steps required to maintain and update the database, and complete technical documentation, including online and printable (.pdf) versions.   Yes

Provides users the ability to subscribe, unsubscribe, and receive notifications of best practices documents   Yes

Provides users the ability to subscribe, unsubscribe, and receive notifications of LMS procedural documents   Yes

Provides users the ability to subscribe, unsubscribe, and receive notifications of functional updates   Yes

Provides users the ability to subscribe, unsubscribe, and receive notifications of security updates   Yes

Provides users the ability to subscribe, unsubscribe, and receive notifications of emergency notifications   Yes

Provides for archiving LMS 'best practices' documents or other electronic media   Yes

Tracks usage statistics for online help, especially FAQs, which include a "Was this helpful?" component   Yes

Provides the school system with legal possession and rights to all media, files, etc. of all documentation and other training materials for the LMS system. School system shall have the rights to create derivative works from the vendor training materials, including modifying the materials for use by school system trainers.   Yes

Provides professional training for staff and other key players in the rollout/implementation to meet the State, district or school‚Äôs project timeline/plan. Yes

Provides comprehensive remote training and full knowledge transfer to appropriate state, district or school staff to manage the system.   Yes

Provides training description and syllabi for all training courses as well as flowchart showing recommended sequence and prerequisites   Yes

Provides 'quick-start' procedural sheets to aid users in getting started using the LMS   Yes

Provides onsite training on various LMS modules organized around district roles or job functions	Yes
Provides the option to train all district users, providing materials available to do each task	Yes
Provides training on LMS best practices	Yes
Provides a demonstration environment with hands-on experience	Yes
Provides an evaluation component with data reported	No
Provides a trainer with educational experience and in-depth knowledge of the system	Yes
Manages end-user registration with reminder notification and addition to personal calendar	Yes
Provides the ability to view on-demand videos of LMS training on a modular basis	Yes
Provides LMS training videos that are produced using professional tools such as Camtasia, Robohelp, or Flash	Yes
Provides LMS training that satisfies federal 508 compliance such as videos with sub-titles and audios with transcripts	Yes
Permits the district to edit training videos for internal district use	No
Provides the ability to view on-demand videos on effective practice	Yes
Provides LMS training through company interactive webinars at regularly scheduled intervals	Yes
Allows customers to archive vendor provided LMS training for later re-broadcast within the district for the purposes of training district personnel	Yes
Manages end-user registration with reminder notification and addition to personal calendar	Yes
Provides the ability for online learning modules within the application with modules organized around district roles and job functions	Yes
Provides Knowledge Base and FAQ related to End User support	Yes
Provides the District with legal permission to modify and use all Knowledge Base and FAQ's for use by school and district trainers	No
Provides telephone support hours Monday through Friday for at least 7:00 a.m. through 7:00 p.m. Central time	Yes
Offers support to regular end-users	Yes

Provides email support for users within response time defined by a Service Level Agreement	Yes
Provides opportunity for users to get real-time support through online chat	Yes
Integrates seamlessly with the Internet to allow access to online software and support services such as the capability to submit questions related to the software	Yes
Integrates seamlessly with the Internet to allow access to online software and support services such as the capability to inquire about the status of current calls	Yes
Integrates seamlessly with the Internet to allow access to online software and support services such as the capability to receive software and documentation updates	Yes
Provides professional help desk software for problems with the LMS system	Yes
Provides professional help desk software for automatically receiving notification of logged problem	Yes
Provides professional help desk software for notification of temporary software fixes	Yes
Provides professional help desk software for final resolution of software problems	Yes
Provides professional help desk software which provides a formal system to track, report, and manage end-user software problem reports	Yes
Provides professional help desk software which allows the customer the ability to escalate LMS problem resolution based upon the urgency of the customer software problem	Yes
Provides professional help desk software which allows the customer the ability to integrate with other help desk software	Yes
Commits that future LMS software upgrades will operate with the customizations made during the implementation of the state's LMS system	Yes
Provides the capability to easily upgrade to new software releases without the loss of data or production capabilities which includes user-defined fields	Yes
Provides a LMS software warranty period that commences upon the state's final acceptance of the LMS system	Yes
Maintains 24/7/365 software support for system administrators	Yes
Provides a direct support representative(s) that the District can contact without going through call center or complex phone menu to reach the support representative.	Yes
Provides a response time of two (2) hours or less on reported problems.	Yes

Provides a published Service Level Agreement (SLA) for response time, bug fixes, and other critical LMS support and emergency issues	Yes
Provides its customers a major role in determining the product enhancement direction and schedule, including critical flaws	Yes
Provides its customers a major role in determining the product enhancement direction and schedule, including suggestion box	Yes
Provides its customers a major role in determining the product enhancement direction and schedule that is aligned to critical needs at state and district levels	Yes
Provides its customers with roadmap of planned software enhancements	Yes
Provides its customers with major software releases aligned to roadmap	Yes
Provides software updates to its customers to support future state legislative or federal regulations as part of its annual software maintenance fee	Yes
Work flow processes are provided by the vendor and defined and embedded in the system design, documentation and training. Process documentation adheres to a standard, such as Business Process Modeling Notation (BPMN), XML Process Definition Language (XPDL), or other well-defined industry standard.	No
The LMS components are built around a common data model and aligned to the U.S. Department of Education's Common Education Data Standards (CEDS)	No
Data movement to and from the LMS accommodates various periodicities including, at least, monthly, weekly, daily, and real-time.	Yes
Each user access the LMS through a portal that is designed to help that user navigate easily through the components that the user is authorized to use based on the user's role(s).	Yes
A consistent look and feel is provided such that controls for similar functions across components are located, accessed, and operated the same within each component. User views follow existing conventions where these make sense.	Yes
User interface can support or be translated into different languages (specify languages).	Yes
Workflows and rules can be assigned within the system to ensure prerequisite steps and review processes take place before a user is allowed to move to the next stage	Yes
LMS architecture complements and facilitates the role-based security schemes.	Yes
Provides personalized user interface views based on individual or group (role) settings	Yes

There is an overall process framework (e.g., map) provided, documented, and diagrammed by the vendor for the LMS that defines the major processes, sub-processes and their relation to each other. The behavior of the system is determined by the process framework.   Yes

All process linkages and dependencies with other process are defined and visible in the framework.   Yes

The process documentation is used for user training.   Yes

Specific excerpts are provided from the process documentation to explain how to develop, vet and load a set of non-secure assessment items   Yes

Specific excerpts are provided from the process documentation to explain how to develop, vet and load a set of instructional resources   Yes

Specific excerpts are provided from the process documentation to explain how to select, compile, deliver, score and assess formative assessments and benchmark assessments   Yes

Specific excerpts are provided from the process documentation to explain how to create, retrieve, update, delete, and execute a workflow process definition.   No

LMS components are built around a well-defined database schema that defines the relationships among data elements within each component and between components. Yes

Data integration across components is assured by having developed each component within the common database schema.   Yes

Provides a data dictionary identifying all data elements including source system of record, relationships to other elements, refresh rate and other data attributes.   Yes

The LMS is capable of controlling adds/changes and deletes to the data element level such that it can ensure data imported from authoritative source systems is not overwritten, deleted or added in LMS data entry interfaces.   Yes

The system as the ability to automate import rosters daily from PowerSchool SIS   Yes

The system as the ability to automate import rosters daily from JCampus SIS   Yes

The system as the ability to automate import rosters daily from Oncourse SIS   Yes

The LMS is capable of being designated the authoritative data source for certain types of data - meaning it is capable of transmitting this data through a publish/subscribe, event-driven, standards-based data movement architecture with a periodicity that approaches real time.   Yes

The LMS system has a comprehensive data integration tool that is fully automatable. This tool should have the capability to perform general extract, transform, and load (ETL) functions. It should be able to transform, move, and synchronize data residing in numerous heterogeneous systems and applications.								Yes

The system has proven, real-time integration with PowerSchool and has the capability to interface with other authoritative data sources to retrieve and push data files that also includes the ability for automatic updating of grades, user accounts, activity, enrollment, etc.								Yes

The system has proven, real-time integration with JCampus and has the capability to interface with other authoritative data sources to retrieve and push data files that also includes the ability for automatic updating of grades, user accounts, activity, enrollment, etc.								Yes

The system has proven, real-time integration with Oncourse and has the capability to interface with other authoritative data sources to retrieve and push data files that also includes the ability for automatic updating of grades, user accounts, activity, enrollment, etc.								Yes

The system is able to batch upload and download of files (browser view, .xls, .csv, .doc, etc.)								Yes

The system is able to export grades using common formats such as .xls, .csv, .txt								Yes

The system has the ability to automate gradebook data reports to export into PowerSchool								Yes

The system has the ability to automate gradebook data reports to export into JCampus		Yes

The system has the ability to automate gradebook data reports to export into Oncourse								Yes

The LMS system has the ability to consume data through three methods: Scheduled, manually invoked and simple monitoring that invokes the process when new data files appear (event-driven).								Yes

The LMS system has the ability to perform a series of checks before processing to validate and cleanse data based on pre-determined business rules and parameters.		No

The LMS system has the ability to detect duplicate records (for students or teachers) and match and join as appropriate from disparate authoritative data sources.		No

The LMS system has the ability skip data rows with errors during the import process without abandoning the import process								Yes

The LMS system has the ability to create alerts/ notifications and error logs to appropriate personnel based on system or processing events.	Yes
The LMS supports remote invocation of application programming interfaces (APIs), including the SLI APIs, Web services, and SOA adapters, deploying each for the data integration tasks for which it is the most appropriate solution.	Yes
The LMS supports file transfer using a variety of formats, deploying each for the data integration tasks for which it is the most appropriate solution.	Yes
The LMS supports publish and subscribe transfers through a messaging middleware broker / common social media accounts, deploying each for the data integration tasks for which it is the most appropriate solution.	Yes
The LMS supports direct access to the database, deploying each for the data integration tasks for which it is the most appropriate solution.	No
For each of these methods, the LMS supports a variable frequency or periodicity of the transfer of data.	Yes
For each of these methods, the LMS supports a secure transmission of data to and from the LMS	Yes
For each of these methods, the LMS supports management of internal data representation of external authoritative data	Yes
For each of these methods, the LMS supports data movements to/from the LMS through the data movement engine in response to events, such as the arrival of an extract file, expiration of a specified elapsed time since a prior event, arrival of a scheduled time of day, other events as appropriate.	Yes
For each of these methods, the LMS supports scheduled movements of complete downloads and/or changed data elements only, with each type of transfer being recognized and handled appropriately.	Yes
For each of these methods, the LMS supports a reliable and robust transfer protocol that ensures receipt (or notification)	Yes
For each of these methods, the LMS supports processing of imported data to include retransmission of data, update based rollback	Yes
For each of these methods, the LMS supports data import notification recipient configuration and message delivery for routine process and error related messages	Yes
For each of these methods, the LMS creates and retain data import logs that capture routine process and error related information.	Yes

The system has ability for robust LTI integration with LTI service providers.	Yes
Allows for a direct database connection to a 3rd party Business Intelligence tool (such as Tableau) for custom reporting	Yes
They system can integrate with Microsoft Office 365 and G-Suite	Yes
Supports SIF 3 Infrastructure	No
System has the ability to incorporate learning content using a variety of common protocols, including Learning Tools Interoperability (LTI), Common Cartridge (CC), Learning Information Services (LIS), and Sharable Content Object Reference Model (SCORM).	Yes
System is ADA/Section 508 compliant / Responsive Web Design	Yes
Supports the APIP Accessible Content Standards	No
Supports the API Personal Needs and Preference (PNP) Standards	No
Assessment delivery system provides audio directions	Yes
Assessment delivery system provides tactile graphics	No
Assessment delivery system provides American Sign Language	No
Assessment delivery system provides Signed English	No
Assessment delivery system provides alternate languages	Yes
Assessment delivery system provides flagging	Yes
Assessment delivery system provides guided reader	Add-on feature/ package at an additional cost
Ability to import and export assessment items in QTI format	Yes
Provides the capability to read and write commonly accepted imaging standards (for example .jpeg, .epi, .eps, .tif, .gif, .png) to capture and retrieve graphics and photos for use in assessment items and activities.	Yes
Content modules support .mov, .wmv, .mp3, .mp4, .wav, .wma	Yes
Meets current HTML5 standards for audio and video	Yes
Does not require reliance on any client side software other than an HTML 5 capable	Yes

browser in order to display any and all LMS presentations.

Supports IMS Global Learning Consortium's Common Cartridge (CC) and Learning Tools Interoperability (LTI) standards	Yes
Ability to import and export assessment items in such formats as QTI, GIFT, XML, etc.	Yes
Offers a built-in object repository that supports all file formats and links to other external content stores.	Yes
Supports user definable metadata schemas based on the LRMI and/or CEDS schema and user definable workflows for publishing and content review.	No
Capable of interfacing with the Learning Registry. Able to search for and deliver content from the LOR and from the Internet via Learning Registry search in a similar fashion as with the LMS built-in repository search features.	No
Allows all content to be posted as discrete learning objects	Yes
Learning objects are available for download for offline use	Yes
Learning objects can be posted in a variety of formats including simple HTML pages, audio, and video	Yes
Learning objects may align to multiple standards	Yes
The system is a Single Sign-On (SSO) using Active Directory Federation Services (ADFS) for authentication mechanism	Yes
The system can use Google Single Sign On (SSO) for authentication mechanism	Yes
The system is a software-as-a-service (SAAS)\hosted delivery model, with audited data back-ups, warranted to 99.9% uptime	Yes
The LMS delivers all of its functionality through a web browser. The LMS is expected to run well on major compatible browsers on the current release and past two releases and require no additional browser helpers or plugins for full accessibility and functionality. These browsers shall include but not be limited to the following list: Internet Explorer, Firefox, Safari, and Chrome.	No
The LMS runs well on a wide variety of mainstream hardware platforms that use the aforementioned browser technologies. These hardware platforms shall include but not be limited to Microsoft Windows and Mac OS desktops laptops and netbooks, Apple iOS devices, Android devices, as well as other tablets, smart phones, and eReaders.	No
Provides features to minimize data entry effort by reusing data previously entered,	Yes

where appropriate.

Provides a year-end rollover process that advances students and preps data structures for the new school year (including year round schools) without wiping out the previous year's data	Yes
Provides ‚Äúspell checking‚Äù ability for narrative fields	No
Provides the ability to define defaults for creating fields and pre-populates them at record creation time.	No
Provides an online drop down list of all valid values for each validated field	No
Provides "preview" of data prior to import or export	No
The proposal includes software updates at no additional charge throughout the contract period	Yes
The system includes a process for platform upgrades, which include the time, duration and requirements of the District to ensure upgrades are in place.	No
The system is available and operable 24 hours a day, 7 days a week, and 365 days a year.	Yes
LMS is configured with industry standard HTTPS encryption protocols to ensure data privacy over the Internet.	Yes
The system provides for data integrity in the event of power outages, power surges, or damage to all or part of the database platform.	Yes
Allows for customization of secure login screen to local layout standards and to integrate with local directory services to facilitate single sign-on.	Yes
Ensures privacy and confidentiality of all data as it moves across the network (internal and external to the firewall), and as it resides in storage.	Yes
The system can file, store and retrieve information across courses.	Yes
Tracks date, time, and User ID of the person making the change at the function, file, workstation, and field level - maintained for at least 2 years and made available for review in a central log management and reporting system	Yes
Adheres to FERPA, COPPA, and HIPAA regulations.	No
Provides framework and/or API to facilitate construction of secure real-time query capability to external data systems.	Yes
Provides framework and/or API to facilitate construction of secure real-time query capability to external data systems.The system is capable of self-registration including	Yes

the controls the system administrator can place on these courses e.g. class size caps, wait list, maximum number of concurrent courses.

The system is capable of allowing the user to customize their profile and instructor level controls concerning the profile.	No
The system is capable of creating, managing and assigning roles including administrative, teacher, etc. and the functionality of each role within the platform.	Yes
Allows secure, "locally managed", role-based access for school and district administrators	Yes
Allows secure, "locally managed", role-based access for teachers	Yes
Allows secure, "locally managed", role-based access for students	Yes
Allows secure, "locally managed", role-based access for parents/guardians	Yes
Allows secure, "locally managed", role-based access for system administrators	Yes
Provides the ability to manage users by group (role, department, location, etc.)	No
Provides the ability to track administrator, teacher, student, and parent use of system	Yes
Accommodates associating multiple parent/guardian accounts with a given student account.	Yes
Data security is defined at the data element level; minimum level of field access security are: no access, view access, add/update access, ability to delete data.	Yes
The security configurations are completely manageable as configuration items rather than requiring software code changes.	Yes
Any personally identifiable information (PII) is displayed only to users with the appropriate permissions.	Yes
Data security practices follow state standards and best practices guidelines, by enabling system managers to reset parent passwords but not view a user password	Yes
Data security practices follow state standards and best practices guidelines, by ensuring secure data transmissions of all data that traverses the network (internal or external network) from the system, following best practice security protocols	No
Data security practices follow state standards and best practices guidelines, by producing user-accessible security logs that can be reviewed by appropriate individuals on a periodic basis	Yes
Data security practices follow state standards and best practices guidelines, by providing a process for reviewing/monitoring security logs	Yes

Data security practices follow state standards and best practices guidelines, by maintaining controlled access to physical systems	Yes
Data security practices follow state standards and best practices guidelines, by providing capability for full and incremental backup and restore to comply with state business continuity standards.	Yes
Supports administration of certain features by the end-user, where appropriate, such as assigning new users or modifying and printing reports via Active Directory groups.	Yes
Provides role-based, "locally managed" function to protect sensitive information according to district, state and/or federal guidelines by supporting role-based controls on printing and emailing	No
Provides role-based, "locally managed" function to protect sensitive information according to district, state and/or federal guidelines by supporting auto logoffs	
Provides role-based, "locally managed" function to protect sensitive information according to district, state and/or federal guidelines by supporting temporary alerts for teachers	No
Provides role-based, "locally managed" function to protect sensitive information according to district, state and/or federal guidelines by supporting role-based controls on downloading files to desktop (to address FERPA guidelines)	No
Uses techniques such as drop down lists to minimize data input errors.	No
Allows data fields on input forms to be designated as required or optional.	No
Allows data fields on input forms to use input into other fields on the form to control the options they display.	No
Allows data fields on input forms to use input into other fields on the form to control the options they display.	No
Supports having multiple windows open concurrently for both inquiry and updating of related or unrelated information across any combination of application modules, without losing any data previously entered on an open screen.	Yes
Supports error messages that are easily understood by the user with online, error-resolution help screens.	Yes
The proposal includes the process of contacting a helpdesk , details the support limitations, response time, and availability for this resource	Yes
Support is available 24 hours a day, 7 days a week by phone, messaging and/or email support with tracking system to follow the progress of issue resolution.	Yes

Requires only basic mouse and keyboard skills, and familiarity with standard web browser controls.   Yes