

Instructional Materials Technology Information

Since EdReports released its first reviews five years ago, the materials landscape has changed dramatically, especially in the area of technology. District questions have evolved from ensuring materials could be accessed on older browsers and versions of operating systems to detailed questions about interoperability, compatibility, security, support, and digital design. These questions have become even more important during the pandemic as districts assess what instructional materials may work best in their communities not just in-person, but also remotely and in hybrid settings. Access to high quality instructional materials by all students is more important than ever, and technology plays an essential role in that access. To help provide technology information for materials that meet alignment criteria in Gateways 1 and 2, EdReports is requesting publishers answer the following questions to help consumers better understand the digital design and capabilities of their instructional materials.

- Section 1 provides broader questions most frequently asked of EdReports about the design of materials. These questions are meant to provide higher level, summary information.
- Section 2 provides more fine-grained details on aspects of design and functionality.

EdReports is seeking the most accurate, descriptive information about curricular products. We are not evaluating quality or desirability, but documenting features in materials to empower local schools and districts with information to select materials that will work best for them given their technological capabilities and instructional vision.

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Section 1: Usability Snapshot

This section includes questions on digital design and support that allows users quick access to essential information. Please do not exceed a 150 word limit per question. You may use or remove prompt text in providing additional details. Words in the detail prompt text will not count toward the word limit.

*** Note:**

“**Yes with core product**” below should be used to indicate functionality in the materials purchased that are available without LMS integration.

“**Yes with dependencies**” below refers to functionality present or accessible only through working in a separate LMS, by utilizing other software as a plug-in, or linking externally to sites outside the materials.

Questions	Check Only One				Details
	Yes with core product	Yes with dependencies	No	Under Development	
Are the materials designed so that students are able to access and complete work online?	X				<p><i>Reveal Math</i> has been designed to enable students to access and complete assignments online within the native materials system. Students access assignments with an individual username and password.</p> <p>Individual student device access is not required.</p> <p>Students can download modules or lessons to a device and work offline (non-internet).</p> <p>The Interactive Student Edition (ISE) is available in both print and digital formats. The print ISE is a write-in consumable that provides students with space to engage with content in a meaningful way as they show their work, explain their reasoning, and record notes and observations.</p> <p>On McGraw Hill's online platform, students can browse through the student eBook and access resources at point-of-use.</p>

In what ways do the materials support learning in hybrid settings (both in-person and remote learning) concurrently?

The *Reveal Math* blended learning experience is designed to include purposeful print and digital components focused on sparking students' curiosity and providing teachers with flexible implementation options. All instructional content is available in both print and digital formats. The digital content can be accessed via desktop, laptop, or tablet and easily projected on a whiteboard. In addition, the program has been designed with purposeful, embedded digital tools to increase student engagement.

The **Teacher Digital Center** and **Student Digital Center** allow users to implement *Reveal Math* using various technologies, such as an interactive whiteboard, desktop, laptop, tablet, or overhead projector. The digital tools support various implementation options, from fully digital to hybrid delivery. Parents can access *Reveal Math* resources to support their students' learning outside the classroom through the student portal.

Student Digital Center: The student digital center provides access to the eBook, interactive lessons, content, animations, videos, technology-enhanced practice questions, homework, and more.

- **Interactive Student Edition eBook:** Students can access the page contents via audio at the click of a button as they read the eBook online.
- **Teacher/Student Interaction:** The Student Center functions as its own classroom management system that allows a full feedback loop from teacher to student. The teacher can assign, the student can complete and submit work, and to fulfill the loop, teachers can view work and

provide feedback for in-class or distance learning scenarios.

- **Web Sketchpad:** The leading dynamic mathematics visualization software is integrated at point-of-use within the program.
- **Desmos Scientific and Graphing Calculators.**
- **eTools:** By using a variety of digital **eTools** embedded within the lessons, students gain additional hands-on opportunities to strengthen mathematical connections and build a bridge from conceptual understanding to procedural fluency.
- **eToolkit:** A robust suite of virtual manipulatives and tools to explore and demonstrate concepts available at any time through the *Reveal Math* homepage.
- **Technology-Enhanced Assessment Items:** Embedded in digital lessons and assessments, technology-enhanced items, including drag and drop, equation editor, multi-select, and open response, are strategically placed to give students the valuable practice they need to master computer-based assessments.

Teacher Digital Center: The digital center provides access to dynamic, interactive teaching tools that bring mathematics to life. These tools include additional examples and frequent data checks to ensure student understanding.

- Ready-made, customizable classroom presentations, allowing teachers to add their own resources, including hyperlinks to internet resources.

- Integrated intervention support via **Take Another Look** digital mini-lessons, **Math Replay Videos**, **Skills Support Sheets**, **Guided Support**, and intervention resources for each lesson to **Reinforce Understanding**, **Build Proficiency**, and **Extend Thinking**.
- Through the Teacher Digital Center, assignments and assessments can be easily assigned and automatically scored to provide in-the-moment performance data.
- The **Assessment Center** provides access to pre-made assessments and question banks for customized assessments, including standards-based questions and various technology-enhanced items. Performance data gathered provides teachers with the information they need to inform instruction.
- Integrated on-demand professional development through the **Learning & Support Resources** page.

Reveal Math offers multiple options for reviewing student work. Teachers can access detailed information on student responses and leave comments for students in the assignment tab.

There is also a reporting dashboard, which makes monitoring progress, content, and standards seamless. Working in the background of the Teacher Digital Center, the *Reveal Math Reporting Dashboard* collects data from student assessments and activities, allowing teachers to transform data into insights that can be used to provide differentiation.

- The **Activity Reports** include real-time class

					<p>and student reporting of activities completed by the class. These reports provide information on the average score, submission rate, and skills covered for the class and each student.</p> <ul style="list-style-type: none"> • Standards Reports include performance data by class or individual student and are aggregated by standards, skills, or objectives linked to completed activities.
Are tasks, activities, and lessons able to be printed either for in-class use or for use in at-home learning?	X				All practice exercises are available as downloadable printables through the Digital Teacher Center. Digital practice exercises can be printed for both in-class and at-home learning.
Is there instruction so students can work independently (or with an adult at home)?	X				<p><i>Reveal Math</i> includes instruction that can be completed independently by students with or without adults at home. For instance, the Interactive Student Edition and Math Replay Videos. Students can reference these resources in the Student Digital Centers as they complete practice assignments. Parents and caregivers can also access these through their children's log-in to review the lesson content with their children.</p> <p>Students, parents, and caregivers can access all of the <i>Reveal Math</i> course material to support learning outside the classroom. Interactive Student Editions can be accessed online and offline using McGraw Hill's mobile app.</p>

Does the technology facilitate a teacher's ability to differentiate lessons, tasks, or other content for students?	X				<p>Yes, the technology facilitates a teacher's ability to differentiate lessons, tasks, and other content for students.</p> <p>Meeting the diverse learning needs of all students is a fundamental aspect of the <i>Reveal Math</i> vision. <i>Reveal Math</i> provides three levels of differentiation within each lesson model: Reinforce Understanding, Build Proficiency, and Extend Thinking. These resources enable teachers to personalize differentiation according to the unique needs of their students. Each level is guided by Lesson Quizzes and Exit Tickets. Differentiation is multimodal, allowing students to engage with the material independently, in small groups, digitally, or on paper.</p> <ul style="list-style-type: none"> • Reinforce Understanding: Resources designed to revisit lesson concepts. Students needing additional instruction on the lesson concepts can complete either the Take Another Look mini-lessons, which are digitally assignable activities, or the print-based Reinforce Understanding activity master. These teacher-facilitated small group activities are designed to revisit lesson concepts for students needing additional instruction. • Build Proficiency: Resources to build

proficiency with lesson skills. **Additional Practice** and **Spiral Review** assignments can be completed in either a print or digital environment. The digital assignments include learning aids students can access as they work through the assignment. The digital assignments are also auto-scored to give students immediate feedback on their work.

- **Extend Thinking:** Resources to enrich lesson concepts. When students extend their thinking, they are given the opportunity to apply unit content to real-world situations. With *Reveal Math*, teachers have multiple ways to support students of all abilities in their personal math journeys. The STEM Adventures and WebSketch activities powered by Geometer's Sketchpad offer students opportunities to solve non-routine problems in a digital environment. The print-based Extend Thinking activity master offers an enrichment or extension activity. The Application Station tasks offer non-routine problems for students to work on in pairs or small groups.

Additionally, targeted intervention is present at the unit and lesson levels. Teachers can assign targeted intervention resources based on student performance on **Unit Readiness Diagnostics, Unit Assessments, and Lesson Quizzes**. The **Item Analysis** table lists the appropriate resources for the identified concept or skill gaps. Intervention resources can be found

				<p>in the Unit Overview, Unit Review and Assess, and Lesson sections of the Teacher Digital Center.</p> <p>Additional resources for scaffolded support include:</p> <ul style="list-style-type: none"> • Guided Support offers a teacher-facilitated small group mini-lesson that uses concrete modeling and discussion to enhance conceptual understanding. • Skills Support sheets are practice materials designed for targeted skill-based exercises, focusing on previously taught concepts. • Take Another Look digital mini-lessons provide quick and actionable data to inform instruction while supporting each student through a three-part gradual-release activity.
Are there tutorials, videos, or other integrated supports in the materials to help educators to understand and/or utilize the materials?	X			<p>Yes, there are tutorials, videos, and other integrated supports to help educators understand and utilize the material.</p> <p><i>Reveal Math</i> is user-friendly for educators aiming to improve their pedagogical knowledge. <i>Reveal Math</i> provides detailed lesson and unit plans with pacing guides and walk-throughs, with examples and breakdowns of each phase of the lesson model. These guides help teachers understand how to pace and structure lessons effectively and provide step-by-step pedagogical support and resources.</p> <p>Additionally, teachers have access to professional development materials directly</p>

					<p>within the platform. These resources include videos, workshops, and walkthroughs, which can be used to enhance their understanding of key <i>Reveal Math</i> resources. These resources are self-paced and available on-demand in the Teacher Center for each grade. These include:</p> <ul style="list-style-type: none"> • Quick Start: The Quick Start includes focused, concise videos and PDFs that guide teachers step-by-step through implementing the <i>Reveal Math</i> program. Quick Start topics include the Program Overview and Lesson Design, Resources and Manipulatives, Unit and Lesson Routines, Practices and Processes, the Math Is... Unit, the Digital Student Experience, Math Mindset Competencies, Differentiation Pathways, and Assessments. • Instructional Videos with <i>Reveal Math</i> Authors and Experts: These videos cover Be Curious Sense-Making Routines with Annie Fetter, Number Routines and Fluency with John SanGiovanni, Ignite! Activities with Raj Shah, and Math Probes with Cheryl Tobey.
Are there tutorials, videos, or other integrated supports in the materials to help parents/guardians to understand and/or utilize the materials?	X				<p>Unit Family Letters in both English and Spanish present an overview of what students will learn in each unit and offer home activities that parents and caregivers can do to support student learning.</p>

<p>Are all of the following audiences provided access to the product as part of the core purchase?</p> <ul style="list-style-type: none"> ● parents/guardians ● Educators (Teachers, Administrators, etc.) ● Students 	X			<p>A usage data dashboard is available to Organization and Reporting Administrators that offers a snapshot of platform logins by teacher and student.</p> <p>Parents and caregivers can monitor their children's work and grades for each assignment in the Student Digital Center.</p>
<p>Are the materials designed to integrate with a Learning Management System (LMS)?</p>	X			<p>Users can choose to log into the program via our website or via an LMS.</p> <p>The Teacher Digital Center allows the teacher to:</p> <ul style="list-style-type: none"> ● customize lesson presentations with step-by-step examples for the students to view ● Upload resources for use in the lesson ● customize any of the pre-built assessments or practice resources by using the Assessments menu in the Teacher Digital Center ● customize which resources are made available to students on their own Student Digital Center
<p>Does all content conform to the National Instructional Materials Accessibility Standard?</p>	X			
<p>Is technical support during day-to-day use primarily the responsibility for the client or the publisher?</p>				<p>McGraw Hill offers integration and implementation support options, including live support and online Help documentation. Customers can also contact Digital Technical Support via email, live chat, and phone between the hours of 8:00 a.m. and 8:00 p.m. Eastern Time, Monday-Friday. Additionally,</p>

					you can check on the status of our platform via status.mheducation.com . Ongoing technical support will be provided for the life of the adoption at no additional charge.
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Section 2: Technology Checklist

The following checklists are designed to give more detailed information about digital design and technical capabilities in key areas of instructional materials to support state and local decision making. This list reflects details commonly requested by those making purchasing decisions at the state or local level. You may use or remove prompt text in providing additional details.

Design

Design questions address whether the materials are designed to be used digitally in an in-person environment, remote learning environment, or both. Digital design can vary, often ranging from the ability to access files that are identical to print materials online to doing tasks and assessments as part of the program. The ability to take advantage of design functionality may depend on answers to questions in other sections of the checklist such as internet capabilities, number and type of devices, etc.

*** Note:**
“**Yes with core product**” below should be used to indicate functionality in the materials purchased that are available without LMS integration.

“Yes with dependencies” below refers to functionality present or accessible only through working in a separate LMS, by utilizing other software as a plug-in, or linking externally to sites outside the materials.

Questions	Check Only One				Details
	Yes with core product	Yes with dependencies	No	Under Development	
<p>Are the materials designed to be used with both digital and print components?</p> <p>Are there print options available for student-facing materials that could be utilized in a blended digital approach?</p> <p>Is the print content identical, similar, or comparable to the digital?</p>	X				<p>If yes,</p> <ul style="list-style-type: none"> What are the print options? (check all that apply) _____ Purchase hard-copy books/workbooks _____ Photo copies available for purchase _____ Users can print at home <ul style="list-style-type: none"> Add any additional details.
<p>Is the digital design of the materials intended to replicate a textbook experience?</p>	X				<p>If yes,</p> <ul style="list-style-type: none"> Specify format (e-book, PDFs).
<p>Are digital teacher guides available for the materials?</p>	X				<p>If yes,</p> <ul style="list-style-type: none"> How do teachers access digital teacher guides? Are guides available to parents/guardians at home? Do teacher planning materials connect to student-facing lessons? Are there any additional costs for these resources?
<p>Do the materials contain videos/animations/simulations for student learning?</p>	X				<p>If yes,</p> <ul style="list-style-type: none"> Specify frequency (every lesson, some lessons, only teacher support, both teacher and student).

					<ul style="list-style-type: none"> Are these native to the materials or accessed by links that lead to other sources not maintained by the publisher?
Is any or all online content dependent on links that are not maintained by the publisher?					If yes, <ul style="list-style-type: none"> Detail permissions the district may need to set to ensure access to this content (age restriction bypass, specific URL permissions etc.).
Do the materials include opportunities for online collaboration among students?				X	If yes, <ul style="list-style-type: none"> Describe these opportunities.
Do the materials include built in features for student-to-teacher interaction?				X	If yes, <ul style="list-style-type: none"> Describe these opportunities.
Is a 1:1 device ratio required?				X	If no, <ul style="list-style-type: none"> Include recommended device ratio.
Are the assessments contained within the materials able to be securely completed by students online?	X				If yes, <ul style="list-style-type: none"> Is this true of all assessments? Are assessments editable by teachers?
Is data available about user sessions (e.g., timestamps, content being viewed, callbacks fired, etc...)?					If yes, <ul style="list-style-type: none"> How is this gathered and reported? Who has access to this data?
Are there online professional learning supports to help teachers utilize the materials?	X				If yes, <ul style="list-style-type: none"> Describe these supports and any associated additional costs.
Are there parent/guardian resources available for school systems to utilize: <ul style="list-style-type: none"> For when there is in-person instruction? For when there is hybrid instruction? For creating continued learning plans for distance learning schedules? 	X				If yes, <ul style="list-style-type: none"> Please include details such as if there are: <ul style="list-style-type: none"> - Sample schedules - Instruction guides - Classroom management suggestions - Feedback options

Learning Management Systems	Blackboard	Canvas	Eduphoria	Google Classroom	ItsLearning	Moodle	Schoology	Other: Please list below
Are the materials configured to work with one or more learning management systems? Check all that apply.		X		X			X	
McGraw Hill can support Single Sign-On to any LMS that follows the SAML IDP 2.0 or LTI 1.0, 1.1, or 1.3A standard. We also support OneRoster 1.0 CSV, OneRoster 1.1 CSV, OneRoster REST API, and ADFS.								

System Access

System access questions address how users access the digital materials and what kind of logins/passwords are accepted/supported/required.

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Questions	Check Only One				Details
	Yes with core product	Yes with dependencies	No	Under Development	
Is single sign-on supported?	X				McGraw Hill can support Single Sign-On to any LMS that follows the SAML IDP 2.0 or LTI 1.0, 1.1, or 1.3 standard. We also support OneRoster 1.0 CSV, OneRoster 1.1 CSV, OneRoster REST API, and ADFS.
Can the platform manage staff assigned to multiple schools with a single sign-on?	X				

Can co-teachers be assigned to multiple classes?	X			Multiple teachers can be assigned to the same class. We require one teacher to be set as the primary, but additional teachers can be added at designated levels of permissions. If a teacher is manually added to a class that is using an SIS integration, the nightly data processing will override the manual change.
Can students who move between teachers or schools using the same materials be re-assigned without losing their work/progress?			X	<p>If re-enrolled in the same class, the student is re-added to the class, regains their product access, and their original data are restored. If the student is enrolled in a new class, they are rostered in the class and gain access to the associated product(s).</p> <p>Student progress and work stay with the student, but only in the context of a class. If a student is removed from the class, the assignments, assessments, etc., do not have necessary context to maintain meaning for the next class.</p>
Can the platform provide user accounts for staff members (principals and other admin) who are not assigned students?	X			<p>The platform provides access for multiple roles and levels including Student, Teacher, School Administrator, and District Administrator. Additional purchase is not required to create school or district administrator-only accounts for staff users.</p> <p>Access to the data is restricted solely to Subscriber personnel based on the user role they are assigned in the system. It is the Subscriber's responsibility to ensure that user roles match the level of access allowed for personnel and their personnel will not release such Data to any unauthorized party.</p>
Can passwords be reset without assistance from trained IT staff?	X			The platform has its own password reset workflows. Should single-sign-on be utilized, an organization will be able to use whichever approach it deems appropriate for password resets. Teachers and students can self-register and have immediate access to usernames/passwords. Teachers/Admins are able to modify their passwords. For self-

					registration customers, teachers and admins can update passwords for students. Teachers can also provide temporary passwords to students to allow them to update their passwords in self-registration districts.
When working offline, does the product automatically sync when a connection is re-established?			X		There is limited offline capability, mainly for eBooks in our products, and students may be asked to initiate a sync.

Technical Support

Technical Support questions are designed to help users understand what assistance to expect. These details are important to consider alongside local capacity for devices, networks, and use. Considering what level of independence users will have alongside these criteria can help schools and districts reflect on their needs for support.

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Check Only One				
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Technical Support	Yes with core product	Yes with dependencies	No	Under Development	Details
Is technical support provided to districts during initial set-up and deployment?	X				<p>McGraw Hill offers integration and implementation support options, and each program includes help documentation and technical support to ease implementation and use for our customers.</p> <p>McGraw Hill works specifically with districts to understand their specific needs and provides support prior to implementation based on an understanding of those needs.</p>

Is technical support provided during the duration of the contract?	X			<p>McGraw Hill is committed to providing faculty, students, and parents with a range of support options.</p> <p>Please visit https://mhedu.force.com/DTS/s/ for more information about product support.</p> <p>Customers can contact Digital Technical Support via phone at 800-437-3715 or via email or live chat via https://mhedu.force.com/DTS/s/contactus.</p> <p>Standard operating hours are 8:00 am to 8:00 pm Eastern Time, Monday-Friday.</p> <p>Tech Directors who have an existing integration with McGraw Hill can get support setting up their classes, rosters, and products for their districts by contacting Integration Support directly at 855-315-6417 or they can email integrationsupport@mheducation.com</p> <p>On average, 96% of all contacts sent to support are resolved without needing to be escalated.</p> <p>Phone and live chat service level goals are 80% of volume in answered in 30 seconds and aim to respond to emails in less than 24 business hours. However, during the Back-to-School peak, response times may vary.</p>
If utilizing a free or trial version, is technical support provided?	X			<p>Yes, the same support outlined above is available for customers utilizing a free trial.</p>
Are there self-service supports for troubleshooting?	X			<p>Help documentation is available in the program. Additionally, our Digital Technical Support help site can be reached by clicking on this link: https://mhedu.force.com/DTS/s/</p>
Does technical support include planning for emergency access and district support?	X			<p>We encourage educators to subscribe to our status page on http://status.mheducation.com/ to receive up to the minute updates if we experience any unplanned</p>

					outages.
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Compatibility

Compatibility questions address technical compatibility specifications. It is designed to help users understand how the materials will look and operate on various devices. These details are important to consider alongside local capacity for devices, networks, and use. Understanding what devices function best can help determine users' needs for district device or technical support.

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Questions	Check Only One				Details
	Yes with core product	LMS Dependent	No	Under Development	
Does the product have a native mobile application?			X		McGraw Hill content can be accessed on any supported internet-ready device through the browser. McGraw Hill provides a free Mobile App that allows the student editions to be downloaded to tablets and phones so that they can be available off-line or without an internet connection, but it is not representative of the full platform experience.
Is the product browser-based?	X				<p>McGraw Hill products are device agnostic and can be accessed on any supported internet-ready device through any HTML5-compliant browser.</p> <p>Currently supported browsers include:</p> <ul style="list-style-type: none"> • Google Chrome 104+ • Mozilla Firefox 104+ • Apple Safari 15+ • Microsoft Edge 104+ <p>Current information about supported browsers and minimum system requirements can be found here: https://mhedu.force.com/DTS/s/article/McGraw-Hill-System-Requirements</p>
Does the product use responsive design for rendering on smartphones?			X		<p>While many our student and teacher materials will perform in a responsive way on smaller form factor devices (those with screens smaller than 9.5"), including smartphones, our products are not built to be responsive in all aspects.</p> <p>McGraw Hill provides a free mobile app that allows users to download student editions to</p>

					tablets and phones so that they can be available off-line or without an internet connection.
Does the product use responsive design for rendering on tablet devices?			X		<p>While many our student and teacher materials will perform in a responsive way on smaller form factor devices (those with screens smaller than 9.5"), including smartphones, our products are not built to be responsive in all aspects.</p> <p>McGraw Hill provides a free mobile app that allows users to download student editions to tablets and phones so that they can be available off-line or without an internet connection.</p>
Does the product use responsive design for rendering on laptop devices?	X				The product is built for screens with resolutions of at least 1024 x 768.
Does the product use responsive design for rendering on desktop devices?	X				The product is built for screens with resolutions of at least 1024 x 768.
Are all users (students/teachers/staff/admin/parents) permitted to use the product on more than one device (e.g. computer at school and a laptop at home or a smartphone and a laptop)?	X				Our platforms and content are web based and require each user to have a unique password to access learning materials. All users with a username and password may access the product through multiple devices without additional software downloads or additional licenses.

Device Type	Mark box if device is compatible	Oldest operating system/version supported	Newest operating system/version supported	Details
Windows	X	Windows 10	Current	Indicate if the materials are designed for a specific device type or if they are generally compatible.
Linux	<input type="checkbox"/>			Our platform and content are not built for, nor tested on, Linux devices; however, we would expect the content to function appropriately if accessed via supported browsers.

Windows Tablet	X	Windows 10	Current	
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Apple Laptop/Desktop	X	Mac OS X v12	Current	
iPhone	X	iOS15	Current	Our platform and content are not built to be responsive on smaller form factor devices. While some platform features and content may be accessible on iPhones, the experience is not expected to be responsive or full featured.
iPad	X	iOS15	Current	
Android Phone	X	Android 13	Current	Our platform and content are not built to be responsive on smaller form factor devices. While some platform features and content may be accessible on Android phones, the experience is not expected to be responsive or full featured.
Android Tablet	X	Android 13	Current	
Chromebook/Chrome OS	X	ChromeOS v104	Current	
Amazon Fire OS	<input type="checkbox"/>			Our content is not built for, nor tested on, Amazon Fire OS. While our platform features and content may be accessible on Fire OS devices, we do not actively support Fire OS.
Other E-Reader	<input type="checkbox"/>			If supported, specify which e-readers are compatible.
Interactive Whiteboard	<input type="checkbox"/>			Many of our platform features and learning materials will be able to be displayed and accessed via interactive whiteboard devices, we do not build specifically for IWB operating systems.

Browser		Operating System						
		Apple		Windows		Linux	Chrome OS	N/A
Check if browser is compatible	Oldest version supported	Newest version supported	Oldest version supported	Newest version supported				
Chrome	X	Mac OS X v12	Current	Windows 10	Current		ChromeOS v104+	

Firefox	<input checked="" type="checkbox"/>	Mac OS X v12	Current	Windows 10	Current		ChromeOS v104+	
Safari	<input checked="" type="checkbox"/>	Mac OS X v12	Current	Windows 10	Current		ChromeOS v104+	
Edge (formerly Internet Explorer)	<input checked="" type="checkbox"/>	Mac OS X v12	Current	Windows 10	Current		ChromeOS v104+	

Internet Explorer	<input type="checkbox"/>							
Other: _____	<input type="checkbox"/>							

Additional Notes:

Accessibility

Curricula with digital capabilities integrate accessible supports in a variety of ways. Accessibility questions pertain specifically to diverse learners who may need specific supports to be able to successfully interact with materials.

Questions	Check Only One				Details
	Yes with core product	Yes with dependencies	No	Under Development	
Screen Readers	<input checked="" type="checkbox"/>				
Screen Magnification Software	<input checked="" type="checkbox"/>				
Text Readers	<input checked="" type="checkbox"/>				
Adjustable Print Size	<input checked="" type="checkbox"/>				

Speech Input Software					
Header Point Devices					
Motion/Eye Tracking Devices					
Single Switch Entry Devices					

Braille Readers/ Display Devices					
Closed Captioning		X			Dictated by course content.
Alternative Input Devices					
High Color Contrast Display Options					
Translation of Text to Other Languages		X			Compatible with Google Translate.
Bilingual Dictionaries available for students		X			Dictated by course content.
Are there required accessories (headsets, speakers)?			X		If yes, <ul style="list-style-type: none"> Specify if they are provided with the materials or must be acquired separately.
Multiple Playback of audio/video	X				
Can students adjust the speed of audio/video playback?	X				
Are these accessibility supports able to be turned on/off?		X			Users can choose to turn video captions on/off.

Does all browser-based technology satisfy the Web Content Accessibility Guidelines or VPAT ?			X		If yes, <ul style="list-style-type: none"> • Provide reports from the software or organization used to test the product.
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Additional Technology Specifications

Data Security and Privacy

Data Security and Privacy questions address how student data storage, disposal, and adherence to privacy laws are addressed. If applicable, privacy reports and/or certificates can be found next to the respective indicator.

Questions	Check Only One			Details
	Yes	No	Under Development	
Data Security: Are data elements encrypted at rest, i.e. in a database or file system?	X			Data at rest is stored in critical databases that are encrypted using AES-256 algorithms and ciphers.
Data Security: Do the materials refer students to video, content, and other online sources that are not native to the materials?		X		All the <i>Reveal Math</i> materials are native to the course; however, teachers can add links to resources that are not native to the course.
Data Security: Does the end-user licensing agreement allow customers to scrape data from the product?		X		
Privacy: Is personally-identifying student data provided to, generated by, or stored in any systems used by the product?	X			<p>We collect personal information that we use to provide, maintain and improve the solution. The following student PII is required to support basic access and functionality:</p> <p>Required: User ID (alphanumeric, unique ID; can be student ID, employee ID, etc.); Role (teacher or student); First Name; Last Name; Email (required for teachers)</p> <p>Optional: Grade Level; Email (optional for students); Username (can be inputted or the system can auto-generate); Password (can be inputted or the system can auto-generate)</p> <p>As students use the platform, additional information is collected, such as student content interactions. This</p>

			information is collected in order to provide the correct content to the students, report on progress to the teacher, and maintain and improve the service. Technical information such as browser, device type, operating system, IP address, page views, etc., is also collected and used to maintain and improve the service.
Privacy: Does the product/vendor make their student privacy policy publicly available?	X		https://www.mheducation.com/privacy.html
Privacy: Does the product conform with FERPA regulations (e.g., allows districts to maintain direct control of the student record, implements permissions to prevent unnecessary disclosures, etc.)?	X		McGraw Hill utilizes the most up-to-date security systems and 24/7 monitoring. McGraw Hill also has very strict internal processes to safeguard customers' data, and all applications are built in compliance with federal regulations including FERPA.
Privacy: Has a third-party evaluated the product for FERPA compliance?		X	<p>McGraw Hill is designated a School Official by the institutional customer. Per FERPA regulations, this requires that McGraw Hill be under the direct control of the institution. Therefore, McGraw Hill's compliance with FERPA relies on compliance with the agreement that McGraw Hill has with the institution, not a general FERPA compliance requirement. That said, McGraw Hill provides institutions with the right to audit McGraw Hill for compliance with their directions / agreements.</p> <p>In addition, McGraw Hill is compliant with U.S. state level student education privacy laws (e.g., SOPIPA in CA), which generally corresponds with requirements outlined by the districts. In addition, as a member of the Student Data Privacy Consortium, McGraw Hill strives to work with our institutional customers to ensure appropriate privacy and security protections for end-user data.</p>

<p>Privacy: Does the product allow registration or data collection from children under the age of 13?</p>	X		<p>Yes. As described above, McGraw Hill is designated a School Official by the institution. McGraw Hill receives consent, as defined under COPPA, “in loco parentis” as described by the FTC: https://www.ftc.gov/tips-advice/business-center/guidance/complying-coppa-frequently-asked-questions#Schools</p>
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Installation

Feature/Requirement/Specification	Check Only One			Details
	Yes	No	Under Development	
Is the product downloaded to individual devices: one-time internet connection required?		X		
Is the product installed on individual computers (from CD-ROM/DVD, flash drive, etc.): no internet connection required?		X		<p>If yes,</p> <ul style="list-style-type: none"> Estimate time per device required for setup, indicate if support is provided, and if local IT staff is needed.
Is the product installed on LAN/WAN (school or district server): no internet connection required for teachers/students after installation?		X		
Required server configuration. Do network admins need to ensure a specific set of domains are white listed to allow the internet traffic to those endpoints?		X		<p>For details about domains, ports, and protocols, please refer to this support document: https://mhedu.force.com/DTS/s/article/ConnectED-What-Websites-Should-be-Unblocked-Whitelisted-to-Use-ConnectED-and-Open-Learning</p>
Does the product support deployment through Mobile Device Management (MDM) systems?		X		<p>If yes,</p> <ul style="list-style-type: none"> Identify which systems are compatible.
Does the product provide a detailed schedule of updates that minimizes access interruption?	X			<p>McGraw Hill has an existing built-in updates procedure. Large planned outages are scheduled to minimize interruptions, generally starting after 9:00 pm eastern on</p>

				Fridays and completed over the weekend. Additional releases are completed as needed, scheduled to minimize disruptions. Release notifications are provided in advance to users via in-platform messaging and at status.mheducation.com .
Does the login authentication use district protocols to establish unique and memorable usernames and passwords?				Our digital platform maintains its own Identity Management system for authentication purposes. Should single-sign-on be utilized, your organization will be able to utilize whichever technologies you deem appropriate for authentication. We will work with you on your integration needs.
Is there an option for concurrent user licensing?		X		Each user is expected to have his or her own license and unique username and password to access our content. Sharing credentials would result in an inability to assign and score students in the learning materials.

Standards Compliance/Certification	Check all that apply	Details
SIF		If checked, include where customers can verify this information.
CEDS		If checked, include where customers can verify this information.
EDUPUB		If checked, include where customers can verify this information.
Ed-Fi (SIS/ODS)		If checked, include where customers can verify this information.
Ed-Fi (Assessments)		If checked, include where customers can verify this information.
MS Global (Competencies and Academic Standards Exchange)		If checked, include where customers can verify this information.
IMS Global (Comprehensive Learner Record)		If checked, include where customers can verify this information.

IMS Global (Open Badges)		If checked, include where customers can verify this information.
IMS Global (One Roster)	X	https://site.msglobal.org/certifications/mcgraw-hill-education
IMS Global (Caliper Analytics)		If checked, include where customers can verify this information.
IMS Global (Question and Test Interoperability (QTI))	X	https://site.msglobal.org/certifications/mcgraw-hill-education

IMS Global (Learning Tools Interoperability (LTI))	X	https://site.msglobal.org/certifications/mcgraw-hill-education
IMS Global (LTI Advantage)	X	https://site.msglobal.org/certifications/mcgraw-hill-education
IMS Global (Common Cartridge)		If checked, include where customers can verify this information.
IMS Global (Lite Common Cartridge)	X	https://site.msglobal.org/certifications/mcgraw-hill-education
IMS Global (Open Video)		If checked, include where customers can verify this information.
Other:		If checked, list and include where customers can verify this information.

Implementation and Scalability	Yes/No or Value
What is the average page load time?	McGraw Hill's standard page load time is 3 seconds or less.
What is the required bandwidth per user?	McGraw Hill makes no bandwidth requirements for online applications as each user's respective experience and data usage within the available applications can vary widely from one session to the next. However, the platform is web-based and fully hosted by McGraw Hill. Our systems are monitored for usage and hardware is added when needed. Our digital assets are shared by all users of our system. We support and recommend caching; however, we do not provide.
Are results of stress tests provided to customers?	Our platform is load tested and certified at 2x the planned peak burst concurrent traffic. We have millions of customers who have used our programs across the platform, and we have the ability to add additional capacity as needed at any time. Results of stress tests are not provided to customers.

<p>Is a disaster recovery plan for data provided to customers?</p>	<p>Specific details of McGraw Hill's Disaster Recovery Plan are proprietary and confidential. McGraw Hill leverages a real-time data redundancy solution that provides point-in-time fault tolerance and disaster recovery capabilities. The service ensures data protection across geographies and infrastructure to ensure service availability in the event of catastrophic failure. All McGraw-Hill services support a robust backup scheme featuring a periodic rotation of full backup sets to archival storage in remote facilities. Backups undergo periodic restoration into a development environment to certify their coherence and completeness while exercising scripted restoration and recovery systems validating both the back-up itself and the restoration process generally. All archival copies of service data are protected in a similar fashion to the production system data, including encrypted storage with limited key pair access to the stored data. A multi-tiered backup system ensures the long-term archive of district data. Storage for archival copies is distributed across geographic regions ensuring the nonvolatile preservation of critical data.</p>
<p>Are customers provided with a standardized implementation plan to ensure a successful rollout?</p>	<p>Yes, McGraw Hill will work with each district to discuss the best implementation plan for your specific needs.</p>
<p>Does the service level agreement include uptime guarantees of at least 95% excluding planned maintenance/downtimes?</p>	<p>Using locally redundant and highly available systems, we design to 99.9% minimum availability for trailing 365 days.</p>
<p>Does the product require a VPN for off site access?</p>	<p>No.</p>

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