

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?	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> Students can complete their work in the Great Minds Digital Platform. AND they can be linked within any LMS or through messaging services a school uses Online work requires 1:1 or 2:1 device for students and a broadband internet connection to access materials Virtual Manipulatives are available.
In what ways do the materials support learning in hybrid settings (both in-person and remote learning) concurrently?	<input checked="" type="checkbox"/>				Materials provided mirror directly in-class materials to support students if they are in class or at home
Are tasks, activities, and lessons able to be printed either for in-class use or for use in at-home learning?	<input checked="" type="checkbox"/>				All student-facing materials can be printed for in-class or at-home learning while videos can be viewed on any device and with a broadband internet connection

Is there instruction so students can work independently (or with an adult at home)?	<input checked="" type="checkbox"/>				Teachers can assign student materials and provide instructions and guidance on each assignment to support independent learning
Does the technology facilitate a teacher's ability to differentiate lessons, tasks, or other content for students?	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> • Technology mirrors in-class work and teachers can respond to that work the same as they would with in-class print materials • Pre-Module Assessments in <i>Eureka Math</i>² Equip™ provide informed recommendations to teachers how to personalize instruction to individuals, groups, or an entire class • Assessments are customizable in the Great Minds Digital Platform
Are there tutorials, videos, or other integrated supports in the materials to help educators to understand and/or utilize the materials?	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> • The Implementation Guide orients educators to the structure and design of Eureka Math²®, and to what is available in the digital experience and in print. • A user guide and video along with a digital help center that includes FAQs and tutorial videos are all available to support educators in any continuous learning environment
Are there tutorials, videos, or other integrated supports in the materials to help parents/guardians to understand and/or utilize the materials?	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> • Great Minds®, provides a Curriculum Overview for Families that orients them to the structure and design of Eureka Math², and to what is available in the digital experience and in print.

					<ul style="list-style-type: none"> Families can access the user guide and video as well as the digital help center and review how to use Eureka Math²
<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 	<input checked="" type="checkbox"/>				Educators, families, and students all have access with varying functionality – for example, only teachers can assign content to their students and only teachers have access to lesson preparation and planning materials
<p>Are the materials designed to integrate with a Learning Management System (LMS)?</p>	<input checked="" type="checkbox"/>				All materials can be linked within a LMS. LTI integration is under development
<p>Does all content conform to the National Instructional Materials Accessibility Standard?</p>		<input checked="" type="checkbox"/>			Full accessibility available fall of 2023
<p>Is technical support during day-to-day use primarily the responsibility for the client or the publisher?</p>	<input checked="" type="checkbox"/>				Support is provided to teachers and administrators through the digital help center along with phone and email support through the Great Minds support team and collaboration with the client's IT team

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.

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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>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> • What are the print options? (check all that apply) • <input checked="" type="checkbox"/> Purchase hard-copy books/workbooks • <input type="checkbox"/> Photo copies available for purchase • <input checked="" type="checkbox"/> Users can print at home
<p>Is the digital design of the materials intended to replicate a textbook experience?</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> • Worksheets are PDFs available with annotation and they mirror print student editions exactly
<p>Are digital teacher guides available for the materials?</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<ul style="list-style-type: none"> • A digital teacher edition is available with access to all grades, all content included in the print teacher editions, and other

					<p>functionality to help teachers make the teacher edition their own. In addition, lesson slides are available</p> <ul style="list-style-type: none"> • Are guides available to parents/guardians at home? No • Do teacher planning materials connect to student-facing lessons? Yes • Are there any additional costs for these resources? No
Do the materials contain videos/animations/simulations for student learning?	<input checked="" type="checkbox"/>				<p><i>Eureka Math</i>² contains animations and Geogebra interactivity throughout the program. These animations and interactivity appear numerous times throughout a topic. The curriculum also contains context videos for many of our word problems.</p>
Is any or all online content dependent on links that are not maintained by the publisher?			<input checked="" type="checkbox"/>		
Do the materials include opportunities for online collaboration among students?			<input checked="" type="checkbox"/>		
Do the materials include built in features for student-to-teacher interaction?		<input checked="" type="checkbox"/>			Teachers may send students feedback inside of our assignments space.
Is a 1:1 device ratio required?			<input checked="" type="checkbox"/>		Teachers may choose to have students use devices in various configurations to engage with interactive content, but it is not required.
Are the assessments contained within the materials able to be securely completed by students online?	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> • Is this true of all assessments? Yes • Are assessments editable by teachers? Yes
Is data available about user sessions (e.g., timestamps, content being viewed, callbacks fired, etc...)?		<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> • Assessment data by class, school, or district • are available and usage data can be provided upon request by the client.

<p>Are there online professional learning supports to help teachers utilize the materials?</p>	<input checked="" type="checkbox"/>				<ul style="list-style-type: none"> Virtual professional development and coaching delivered by Eureka Math facilitators is available in addition to the digital product supports. There is also the opportunity to for schools/districts to customize professional learning for a fee.
<p>Are there parent/guardian resources available for school systems to utilize:</p> <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? 	<input checked="" type="checkbox"/>				<p>Family guides called Family Math are available in both English and Spanish. Students may access all materials inside of their student digital experience.</p>

Learning Management Systems	Blackboard	Canvas	Eduphoria	Google Classroom	ItsLearning	Moodle	Schoology	Other: Please list below
<p>Are the materials configured to work with one or more learning management systems? Check all that apply.</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Deep linking functionality is available regardless of learning platform.</p>								

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?	<input checked="" type="checkbox"/>				SSO is supported with Clever, Google, or ClassLink (OAuth 2.0). LTI v1.3 SSO is available with Schoology, Brightspace, and Canvas
Can the platform manage staff assigned to multiple schools with a single sign-on?	<input checked="" type="checkbox"/>				
Can co-teachers be assigned to multiple classes?	<input checked="" type="checkbox"/>				Yes, multiple teachers can be assigned to a class. The process depends on the district's rostering method but is supported for districts that manually roster and for districts that use an automated rostering method (such as Clever, ClassLink, or OneRoster). This is managed at the administrator level.
Can students who move between teachers or schools using the same materials be		<input checked="" type="checkbox"/>			Data does not automatically transfer if a student changes classes or schools. The student is archived in their previous class or school, and their assessment and performance data are available for an

re-assigned without losing their work/progress?					administrator to export and provide to their new teacher/school. Additionally, if the assessment data are within the current school year, the student's new teacher can view their assessment scores by running a specific report from their reporting dashboard.
Can the platform provide user accounts for staff members (principals and other admin) who are not assigned students?	<input checked="" type="checkbox"/>				
Can passwords be reset without assistance from trained IT staff?	<input checked="" type="checkbox"/>				Districts that manually roster have a self-reset option available on the log-in page, or users with an administrator role can set a temporary password for the user's account. For districts that use an automated rostering method, logins are managed by the district and need to be reset by their staff.
When working offline, does the product automatically sync when a connection is re-established?				<input checked="" type="checkbox"/>	

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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Technical Support	Check Only One				Details
	Yes with core product	Yes with dependencies	No	Under Development	

Is technical support provided to districts during initial set-up and deployment?	<input checked="" type="checkbox"/>				The Great Minds Digital Implementation Team supports schools through this process
Is technical support provided during the duration of the contract?	<input checked="" type="checkbox"/>				The Great Minds Digital Implementation Team supports rostering, sign-on, and licensing
If utilizing a free or trial version, is technical support provided?	<input checked="" type="checkbox"/>				
Are there self-service supports for troubleshooting?	<input checked="" type="checkbox"/>				A Digital Help Center is available.
Does technical support include planning for emergency access and district support?	<input checked="" type="checkbox"/>				Schools are supported through extenuating circumstances

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?			<input checked="" type="checkbox"/>		
Is the product browser-based?	<input checked="" type="checkbox"/>				

Does the product use responsive design for rendering on smartphones?				<input checked="" type="checkbox"/>	
Does the product use responsive design for rendering on tablet devices?	<input checked="" type="checkbox"/>				
Does the product use responsive design for rendering on laptop devices?	<input checked="" type="checkbox"/>				
Does the product use responsive design for rendering on desktop devices?	<input checked="" type="checkbox"/>				
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)?	<input checked="" type="checkbox"/>				No additional software downloads or licenses are necessary.

Device Type	Mark box if device is compatible	Oldest operating system/version supported	Newest operating system/version supported	Details
Windows	X			
Linux	X			
Windows Tablet	X			
Apple Laptop/Desktop	X			
iPhone	<input type="checkbox"/>			If supported, provide details about any differences between devices.
iPad	X			
Android Phone	<input type="checkbox"/>			If supported, provide details about any differences between devices.
Android Tablet	X			
Chromebook/Chrome OS	X			

Amazon Fire OS	<input type="checkbox"/>			
Other E-Reader	<input type="checkbox"/>			If supported, specify which e-readers are compatible.
Interactive Whiteboard	X			

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							
Firefox	X							
Safari	X							
Edge (formerly Internet Explorer)	X							
Internet Explorer	<input type="checkbox"/>							
Other:____	X							

Additional Notes: The last two versions of each compatible browser are supported for Windows laptops/desktops, Apple laptops/desktops, Chromebooks, and tablets.

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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Screen Magnification Software	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Text Readers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Adjustable Print Size	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Speech Input Software	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Header Point Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Motion/Eye Tracking Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Single Switch Entry Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Braille Readers/ Display Devices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Closed Captioning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Alternative Input Devices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
High Color Contrast Display Options	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Translation of Text to Other Languages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	K-5 Spanish is available in the fall of 2023.

Bilingual Dictionaries available for students	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are there required accessories (headsets, speakers)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Can students adjust the speed of audio/video playback?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are these accessibility supports able to be turned on/off?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Some are controllable by the teacher.
Does all browser-based technology satisfy the Web Content Accessibility Guidelines or VPAT ?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VPAT is available May 2023.

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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All datastores are encrypted at rest using AES-256
Data Security: Do the materials refer students to video, content, and other online sources that are not native to the materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, <ul style="list-style-type: none"> Is it a closed system? If no, how does it direct out of the environment?

Data Security: Does the end-user licensing agreement allow customers to scrape data from the product?	<input checked="" type="checkbox"/>			Administrators can export assessment data in CSV format.
Privacy: Is personally-identifying student data provided to, generated by, or stored in any systems used by the product?	<input checked="" type="checkbox"/>			Student data are provided by a district as part of the account creation and rostering process. This includes a student's first and last name, student ID, account username, grade level, assigned classes, and assigned school(s). Email addresses can be provided optionally.
Privacy: Does the product/vendor make their student privacy policy publicly available?	<input checked="" type="checkbox"/>			Please read more at https://greatminds.org/privacy-policy
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.)?	<input checked="" type="checkbox"/>			
Privacy: Has a third-party evaluated the product for FERPA compliance?			<input checked="" type="checkbox"/>	If yes, <ul style="list-style-type: none"> Identify the third party who conducted the evaluation and provide a link to the report. - Not applicable.
Privacy: Does the product allow registration or data collection from children under the age of 13?			<input checked="" type="checkbox"/>	Students do not self-register. They are registered via their school or district. Great Minds collects rostering data from districts to roster students. See Section VIII of the Great Minds' privacy policy for more information on collection of student data: https://greatminds.org/privacy-policy

Installation

Feature/Requirement/Specification	Check Only One			Details
	Yes	No	Under Development	

Is the product downloaded to individual devices: one-time internet connection required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the product installed on individual computers (from CD-ROM/DVD, flash drive, etc.): no internet connection required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, <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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the product support deployment through Mobile Device Management (MDM) systems?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, <ul style="list-style-type: none"> Identify which systems are compatible.
Does the product provide a detailed schedule of updates that minimizes access interruption?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Updates are completed during off hours with no interruption whenever possible
Does the login authentication use district protocols to establish unique and memorable usernames and passwords?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Logins are managed by the district, either through their rostering data source (SIS) or through the Manage console available to administrators in the Great Minds Digital Platform.
Is there an option for concurrent user licensing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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)		If checked, include where customers can verify this information.
IMS Global (Caliper Analytics)		If checked, include where customers can verify this information.
IMS Global (Question and Test Interoperability (QTI))		If checked, include where customers can verify this information.
IMS Global (Learning Tools Interoperability (LTI))	<input checked="" type="checkbox"/>	https://site.imsglobal.org/certifications/great-minds-pbc/great-minds-digital-platform
IMS Global (LTI Advantage)		If checked, include where customers can verify this information.
IMS Global (Common Cartridge)		If checked, include where customers can verify this information.
IMS Global (Lite Common Cartridge)		If checked, include where customers can verify this information.
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?	2 seconds
What is the required bandwidth per user?	3-5 KB/s for regular use
Are results of stress tests provided to customers?	No

Is a disaster recovery plan for data provided to customers?	No
Are customers provided with a standardized implementation plan to ensure a successful rollout?	No
Does the service level agreement include uptime guarantees of at least 95% excluding planned maintenance/down-times?	No
Does the product require a VPN for off site access?	No

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