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# Instructional Materials Technology Information

**Title:** enVision Mathematics

**Content Area:** Math

**Publisher:** Savvas Learning Company f/k/a Pearson

**Grades:** K-2

**Copyright:** 2020

# 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 has requested 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.

## Considerations When Reading This Document

- 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.

- The information in this document comes directly from publishers. EdReports reviewed the information for clarity and consistency, but did not verify its accuracy. Questions you have regarding any of the reported information should be directed to the publisher of the product.

- Look at the information in the "Details" column carefully. Functionality and digital design can vary greatly depending on how a publisher responded. Most publishers provide granular information for each question to illuminate their responses.

- This document is most effective when paired with questions that relate to your local context and reviewed with both content and IT staff. Consider your district's technological access and capacity amongst students, teachers, and schools.

# Table of Contents

# Section 1: Usability Snapshot

This section includes questions on digital design and support that allows users quick access to essential information.

**\* Note:**
**"Yes with core product"** below should be used to indicate functionality in the core materials as reviewed by EdReports that are available without LMS integration.
**"Yes with dependencies"** below refers to functionality in the materials reviewed by EdReports that are present or accessible only through working in a separate LMS, by utilizing other software as a plug-in, linking externally to sites outside the materials, or if functionality is dependent on a supplemental purchase.

| 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? | ✓ | | | | If yes, <br> • Note if this is within the native materials system or if it requires LMS integration or other integrated software. <br> enVision is provided through the SavvasRealize.com online learning management system. <br> • Does online work require a 1:1 device ratio? <br> Group collaboration is encouraged at times, for example during problem-based learning, However, if individual accountability for lesson concepts and skills is important such as in Independent Practice or online Quick Checks, then a 1:1 device ratio is necessary. <br> • Does each student need a continuous reliable internet connection to use all materials features? <br> Using their Interactive Student Edition Realize Reader, students can submit assignments and |

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| | | | | | receive instant feedback or written comments from their teacher. The Student's Realize Reader can be downloaded and students can complete assigned work offline. When the student's device is then connected online and the device synchronizes to Savvas Realize, students can digitally submit their assignments to the teacher. Online discussions may require responses to individual questions or multiple responses to ongoing discussions. Students can view comments/attachments from their teacher and other students. If the teacher has added a score, students can see it in the Score column under Completed Assignments. |
| Do the materials support learning in hybrid settings (both in-person and remote learning) concurrently? | ✓ | | | | For use in print, blended, and 1:1 classrooms, enVision features a variety of tools and resources to engage students in mathematical ideas. The program provides teachers with a library of resources to support them in personalizing instruction in both print and online through Savvas Realize. Each step of the lesson is provided in print and online to maximize flexibility in hybrid settings. Technology is utilized to enhance the teaching and learning experience through video and interactives.

Manipulatives are represented through virtual math tools to explore math concepts. Digital interactivities can simulate work with concrete models and let students interact with pictorial representations. Using the Digital Math Tools, students can move counters around on the screen, break up one 10 into 10 ones using a virtual |

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| | | | | | hammer, arrange fraction strips, build arrays, and more. Many of the activities in the Visual Learning Animation Plus provide the same opportunities. |
| Are tasks, activities, and lessons able to be printed either for in-class use or for use in at-home learning? | | | | | There are various digital Topic and lesson resources available on Savvas Realize that can be printed. These include:<br>● Assessments - Readiness, Cumulative/Benchmark, Topic, Progress Monitoring<br>● Math Diagnosis and Intervention System<br>● Review What You Know<br>● Vocabulary Cards<br>● Fluency Practice Activity<br>● Vocabulary Review<br>● Reteaching<br>● Daily Review<br>● Lesson Visual Learning Bridge, Guided Practice, Independent Practice, Problem Solving<br>● Reteach to Build Understanding<br>● Build Math Literacy<br>● Enrichment<br>● Problem Solving Reading Activity<br>● Pick a Project Masters<br>● enVision® STEM Activity |
| | ✓ | | | | |
| Is there instruction so students can work independently (or with an adult at home)? | | | | | If yes,<br>● Describe the instruction (written, videos, animations, etc.).<br>Problem-based learning Solve & Share invites students to use their own strategies to solve a problem. The Visual Learning Bridge/Animation Plus |
| | ✓ | | | | |

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| | | | | | provides step-by-step instruction to help students and parents understand lesson concepts. Another Look videos offer lesson refresh prior to Additional Practice. Interactive Additional Practice for every lesson offers a DrawPad tool for writing on page.<br>    ● Describe the work (practice, new lessons, assessments).<br>Realize Readers provide interactivities, access to the complete Student Edition pages, and Additional Practice. Interactive Practice Buddy engages learners with immediate feedback as they enter numbers and use interactives to practice what they learned. Differentiation activities build proficiency as students work independently/apply their understanding. Additional Practice problems encourage at-home practice.  Online assessments include immediate scoring with auto-assigned differentiation.<br>    ● Detail the level of adult support or involvement necessary.<br>Parent Letters (English and Spanish) for each topic encourage math discussion and activities. Student resources are also provided in Spanish.<br><br>Instruction is supported by animations and videos for caregivers to support students as needed. |
| Does the technology facilitate a teacher's ability to differentiate lessons, tasks, or other content for students? | | ✓ | | | | If yes,<br>    ● Does the technology itself differentiate based on student responses?<br>Auto assigned remediation for assessments may include Another Look Video, Enrichment, Visual Learning Animation Plus, and/or online games. |

| | | | | | ● Does it provide feedback to students directly as they complete assignments? |
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● Does it provide feedback to students directly as they complete assignments?

Name of the test, due date, and a score is provided, with an indication whether the test counted toward standards mastery. An average percent score on all the tests completed is indicated. Test questions are visible, along with the answers the students provided and the correct answers. Progress graph offers quantitative information regarding assignments completed and which assignments still need more work.

● Does the technology provide recommendations to the teacher?

Auto-generated reports show mastery on assessments, overall progress, and usage data. Teachers can assign work to students within their Realize account and monitor progress for each assignment.

● What control does the teacher have over the content? (e.g., Can changes be made to a question's wording? Can teachers choose specific reading selections?)

Teachers can customize content and assessment items. SavvasRealize offers customization by:
• Reorder lessons and Topics
• Align to district framework
• Access Google Classroom™
• Add OpenEd resources
• Add Google Drive™ files
• Integrate Microsoft® OneDrive®
• Upload personal content

| Are there tutorials, videos, or other integrated supports in the materials to help educators to understand and/or utilize the materials? | | | | | Math Background pages before topics in the online Teacher's Edition discusses content Focus, Coherence, and Rigor. These pages support an in-depth understanding of the content. The Lesson Overview provides ongoing professional development all year long.<br><br>In the professional development Topic Overview Videos, an author highlights and gives helpful perspectives on mathematical concepts and skills in the topic. The video is a quick, focused "Watch me first" experience to inform planning for the topic.<br><br>Listen and Look For Lesson Videos provide important information about the lesson.<br><br>Professional development classroom videos show the program in action:<br><br>&bull; Step 1: Problem-Based Learning<br>&bull; Step 2A: Visual Learning: Enhanced Direct Instruction<br>&bull; Step 2B: Visual Learning: Practice and Problem Solving<br>&bull; Step 3: Assess and Differentiation<br>&bull; 3-Act math, Mathematical Modeling<br><br>Effective Teaching Practices (ETP) are referenced in lessons. Callout features show opportunities to focus on specific practices. |
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| | ✓ | | | | |

| Are there tutorials, videos, or other integrated supports in the materials to help parents/guardians to understand and/or utilize the materials? | | | | | If yes, <br>     • Are parent supports available in multiple languages? Specify which languages. <br><br> Through their Student Edition Realize Reader on Savvas Realize, students can access content digitally in more than 100 languages, including Arabic, French, Hebrew, and Russian. <br><br> Home-School Connection letters (English and Spanish) give families an overview of the math content students and teachers are covering. <br><br> The Visual Learning Bridge and the Visual Learning Animation Plus videos (English and Spanish) provide resources for parents to understand the lesson concepts their students are learning. <br><br> Homework and practice features on Savvas Realize include Another Look videos to remind students and parents about important lesson ideas. <br><br> Student online assignments are available for parents to review and include feedback and scoring with auto-assigned differentiation. <br><br> Also available in Spanish are the Interactive Student Edition Realize Reader, the Interactive Additional Practice Realize Reader, and Practice Buddy. Parents have access to all student online components. |
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| | ✓ | | | | |

| Are all of the following audiences provided access to the product as part of the core purchase?<br>• parents/guardians<br>• Educators (Teachers, Administrators, etc.)<br>• Students | | | | | ✓ | If yes,<br><br>• Is activity within the system tracked and who can see this data?<br>Guardians/parents have access to student online resources through Savvas Realize. Directors and teachers will have an administrator account to view data across the district. Building leaders will have an administrator account to view data for their site. Students can keep track of assignments assigned, in progress, and completed.<br>• What can be viewed? Student work? Grades? Unit/lesson/assignments/readings?<br>Savvas Realize provides real-time student and class data, including standards mastery, overall progress, and time on task. Student assignments and scores can be viewed online. |
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| Are the materials designed to integrate with a Learning Management System (LMS)? | | | | | ✓ | If yes,<br><br>• Are the full materials accessible outside of an LMS?<br>Savvas Realize, our online learning management system that delivers the digital path for enVision Mathematics, is compatible with District LMS systems through the common web browsers used in most schools. The featured products on Savvas Realize are fully web-based and web-hosted. Content for the program is accessible on Chromebooks.<br>Can they be modified once they are imported or are they static?<br>Realize is an IMS certified, LTI Advantage pilot, LTI 1.3 thin common cartridge provider and can provide content interoperability with most third party learning management systems. Once imported, they are static. |

| Does all content conform to the National Instructional Materials Accessibility Standard? | | | | | ✓ | Savvas supports school districts in their efforts to comply with the Individuals with Disabilities Education Act (IDEA) Act of 2004 and the terms and conditions of the National Instructional Materials Access Center (NIMAC).

In accordance with the IDEA, Savvas will upload any K–12 textbook or core-related student print material published after July 19, 2006, to the NIMAC in files conforming to the National Instructional Materials Accessibility Standard (NIMAS). Savvas routinely uploads most eligible materials at the time of the first classroom-ready printing, often before we receive a request.

Authorized users can access titles in specialized formats for blind and low vision students and for students with other print disabilities. See http://www.nimac.us/. Individual titles can be located using the site's search feature. For a current list of state authorized users, see http://nimas.cast.org/about/resources/nimas_nimac_contacts. |
| Is there technical support during day-to-day use? | | | | | ✓ | Savvas provides all required hardware, software, system performance monitoring and maintenance routines, load balancing, system redundancy, data and physical security provisions, data storage and archiving, usage reporting and analytics, disaster recovery, business continuity, and support services.

Savvas Realize support is available Monday–Friday from 7 a.m.–7 p.m. central time: |

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| | | | | | ● Technical support representatives can be reached by phone at 800-848-9500<br>● Online customer service including chat and email support is available at https://support.savvas.com/support/s/prek12-technical-support<br>● Additional on-demand training in the form of tutorials, webinars, guides, and quick tips is available at www.mysavvastraining.com.<br><br>Savvas Realize is a cloud-based application and system updates are automatic. Most planned maintenance releases have zero downtime. If an unplanned issue with the system arises or a maintenance is planned with downtime, users will see a message upon log in. |

# 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.

# 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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**"Yes with dependencies"** below refers to functionality in the materials reviewed by EdReports that are present or accessible only through working in a separate LMS, by utilizing other software as a plug-in, linking externally to sites outside the materials, or if functionality is dependent on a supplemental purchase.

| Questions | Check Only One | | | | Details |
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| | Yes with core product | Yes with dependencies | No | Under Development | |
| Are the materials designed to be used with both digital and print components?<br><br>Are there print options available for student-facing materials that could be utilized in a blended digital approach?<br><br>Is the print content identical, similar, or comparable to the digital? | ✓ | | | | If yes,<br>• What are the print options? (check all that apply)<br>Yes Purchase hard-copy books/workbooks<br>No\_\_Photo copies available for purchase<br>Yes\_\_ Users can print at home<br>• Add any additional details.<br>The tools and resources in the enVision Mathematics program are designed for print, blended, and 1:1 |

| | | | | | classrooms. Student experiences are equitable and consistent in delivery of math content.<br><br>Print content is identical to digital content. Exceptions are digital-only formats, such as Another Look Videos. |
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| Is the digital design of the materials intended to replicate a textbook experience? | ✓ | | | | If yes,<br>   ● Specify format (e-book, PDFs).<br>The Student Edition Realize Reader is a digital version of the print Student Edition with interactive features. It provides students with both online and offline access to program materials, includes embedded interactive activities and is available on a wide array of devices. |
| Are digital teacher guides available for the materials? | ✓ | | | | If yes,<br>   ● How do teachers access digital teacher guides?<br>The digital Teacher's Edition and Teacher's Edition Program Overview can be accessed through Savvas Realize. They are replicas of the print versions.<br>   ● Are guides available to parents/guardians at home?<br>Parents/guardians have access to all student online components. One component that works as a helpful guide is the Visual Learning Animations Plus videos for every lesson. These interactive videos explain lesson concepts and skills. Parents/Guardians do not have access to Teacher Resources.<br><br>   ● Do teacher planning materials connect to student-facing lessons? |

| | | | | | All lessons have comprehensive teacher support, available both in print and digitally and directly connect to student materials. Guiding questions are provided to stimulate classroom discourse, incorporate math practices, prevent misconceptions, support coherence and error intervention, and analyze student work.<br><br>The Topic Planner helps teachers plan a topic by providing:<br>• Mathematics Objective, Essential Understanding,<br>• Vocabulary<br>• Materials<br>• Technology and Activity Centers<br>• Standards Content<br>• ELL Suggestions<br>• Counting and Cardinality Routines in Grade K<br>• Lesson Resources and Topic Resources<br><br>● Are there any additional costs for these resources? No. |
| Do the materials contain videos/animations/simulations for student learning? | | ✓ | | | | If yes,<br>● Specify frequency (every lesson, some lessons, only teacher support, both teacher and student).<br>Every lesson in the Student Edition provides online videos, animations, interactive practice, virtual manipulatives, academic vocabulary acitvities, and games on Savvas Realize.<br><br>Visual Learning Animation Plus videos in every lesson promote conceptual understanding. |

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| | | | | | Another Look videos present a new example as a lesson refresh.

The Animated Math Story introduces math concepts for each topic with accompanying blackline masters.

An animated glossary is available to students and teachers.

The online and offline Interactive Realize Reader Student Edition with DrawPad includes tools for writing, drawing, and accessing virtual manipulatives for every lesson.

- Are these native to the materials or accessed by links that lead to other sources not maintained by the publisher?

These are native materials specific to Savvas Realize and supported by the Publisher. |
| Is any or all online content dependent on links that are not maintained by the publisher? | | | ✓ | | If yes,
- Detail permissions the district may need to set to ensure access to this content (age restriction bypass, specific URL permissions etc.

The use of Savvas Realize does not require links not maintained by Savvas and does not require permissions to ensure access to content.

Savvas Realize is the online learning management system for enVision Mathematics. Access the digital Student Edition, Teacher's Edition, editable Teacher Resources, and a wealth of video, audio, interactive content, assessment, and management tools.
Realize works with the school information system (SIS) |

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| | | | | | and integrates with OpenEd and Google Classroom. A full suite of personalized teaching and learning assets is embedded.<br><br>Savvas Realize supports several operating systems. See system requirements: https://sforce.co/2M9G2St.<br><br>Realize uses the Software as a Service (SaaS) model. |
| Do the materials include opportunities for online collaboration among students? | ✓ | | | | If yes,<br>    ● Describe these opportunities.<br>**Problem-based Learning.** The online Solve & Share begins every lesson by an engaging problem with new embedded math ideas:<br>● Students solve the problem however they choose<br>● Provides opportunity for group and class collaboration<br><br>**Visual Learning Bridge.** Online classroom discussion includes guiding questions for the Visual Learning Bridge.<br><br>**Pick A Project.** Explore areas of interest and complete projects of student choosing<br>● Differentiation—students pick a project with varying contexts and activity modalities<br>● Motivation—keep students engaged with interesting contexts<br>● Open-ended Rich Tasks—enhance mathematical thinking as students formulate problems, organize data, create models, etc.<br>**3-ACT Math.** An engaging multimedia experience that involves students in mathematical modeling:<br>● Pose a mathematical question<br>● Identify information needed<br>● Develop a model |

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| | | | | | ● Propose a solution<br>● Test the model<br>● Encourages Brainstorm, Prediction, Model, and Reflect.<br>**Fluency Success.** Partner Talk is encouraged during the Fluency Practice Activities. |
| Do the materials include built in features for student-to-teacher interaction? | ✓ | | | | If yes,<br>    ●   Describe these opportunities.<br>Student-to-teacher interaction is a capability of enVision Mathematics on Savvas Realize. In the Class tab, under Discuss, a variety of discussions can take place with teacher created prompts or with those already provided. These discussions can be small group, whole class, or limited to one-on-one student-to-teacher interactions. These exchanges are not limited to one question, one response, but allow for a complete conversation that is saved for future reference. |
| Is a 1:1 device ratio required? | | | ✓ | | If no,<br>    ●   Include recommended device ratio.<br>Group collaboration is encouraged at times, for example during problem-based learning, However, if individual accountability for lesson concepts and skills is important such as in Independent Practice or online Quick Checks, then a 1:1 device ratio is necessary. |
| Are the assessments contained within the materials able to be securely completed by students online? | | | | | If yes,<br>    ●   Is this true of all assessments?<br>All assessments can be securely completed by students online.<br>The assessment tools in the program include readiness tests, topic assessments, performance tasks, cumulative/benchmark, and self-assessments. |

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| | ✓ | | | | Assessment tools are available in print and online to provide options.<br><br>● Are assessments editable by teachers?<br>Yes, using Savvas Realize, teachers can build tests and edit existing test items. |
| Is data available about user sessions (e.g., timestamps, content being viewed, callbacks fired, etc...)? | ✓ | | | | If yes,<br>● How is this gathered and reported?<br>Daily usage reports are available through self-service reports. Support ticket reports include request and resolution. Reports (daily usage and support tickets) are available on-demand. Savvas Realize provides real-time student and class data, including standards mastery, overall progress, and time on task.<br>● Who has access to this data?<br>Access is role-based for analyzing student progress through on-demand reports at the test level, student level, or whole-class view:<br>● District Administrator Role allows access to data, student, and teacher accounts at all schools within the district.<br>● School Administrator Role allows access to data, student, and teacher accounts within his or her school.<br>● Teacher Role allows access to student accounts in his or her school and data for students enrolled in his or her classes. |

| | | | | | If yes, |
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| | ✓ | | | | <ul><li>Describe these supports and any associated additional costs.</li></ul> The following are embedded online professional development resources at no additional cost on Savvas Realize:<br><br>Listen and Look For lesson videos provide information about what teachers should expect in student work and discussions.<br><br>Professional development Topic Overview videos provide help on important mathematics concepts and skills.<br><br>Classroom videos show teachers how the program works.<br><br>Effective Teaching Practices are referenced in lessons. Callout features show opportunities to focus on specific practices.<br><br>mySavvasTraining.com features many online tutorials and quick-start guides to support teachers in utilizing the materials. Available 24/7. A wide array of in-district and online services are available to help you with your professional development learning. |
| Are there online professional learning supports to help teachers utilize the materials? | | | | | |
| Are there parent/guardian resources available for school systems to utilize:<ul><li>For when there is in-person instruction?</li><li>For when there is hybrid instruction?</li><li>For creating continued learning plans for distance learning schedules?</li></ul> | Yes | | | | If yes,<ul><li>Please include details such as if there are:</li></ul>  - Sample schedules<br>  - Instruction guides<br>  - Classroom management suggestions<br>  - Feedback options<br><br>The digital enVision Mathematics lesson is particularly parent/guardian friendly. With the assignment of the |

Interactive Student Edition, students digitally move through each step of the lesson in the correct order. Lesson guidance is available through Visual Learning Animation lesson videos, Practice Buddy, and Another Look videos. Assessments offer immediate feedback to students on missed problems as well as automatically prescribed intervention.

Additionally, Savvas Realize offers extensive help at point-of-use for both guardians and students. Access both "Help for this page" and Program Training with one click.

Savvas offers comprehensive distance learning resources and recommendations for enVision Mathematics through MySavvasTraining.com

| Learning Management Systems | Blackboard | Canvas | Eduphoria | Google Classroom | ItsLearning | Moodle | Schoology | Other: Please list below |
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| Are the materials configured to work with one or more learning management systems? Check all that apply. | x | x | x | x | x | x | x | |

Savvas Realize **is an IMS certified**LTI 1.1 thin common cartridge provider and can provide content interoperability with most third party learning management systems including Blackboard, Canvas, Eduphoira, ItsLearning, Moodle and Schoology.  We also offer an IMS Certified LTI-Advantge tool that can be used to generate a la carte deeplinks to our content from within your LTI-Advantage compatible LMS

 Savvas Realize also offers a tight integration with Google Classroom, where Google Classroom classes can be imported into Realize, and conversely Realize assignments and assignment grades can be shared back to Google Classroom.

# 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 | | | | • Yes, our Easybridge Plus solution supports SAML SSO workflows. |
| Can the platform manage staff assigned to multiple schools with a single sign-on? | | X | | | If a district implements rostering through Easybridge Plus or Auto, the district can add Easybridge to a Clever portal |
| Can co-teachers be assigned to multiple classes? | | X | | | If yes,<br>• Describe this process.<br>• Is it managed at the teacher, school administrator, or network level?<br>Yes, if a district implements rostering through Easybridge Plus or Auto. Rosters and role assignment is managed by the school/district level administrator. |
| Can students who move between teachers or schools using the same materials be | | | X | | |

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| re-assigned without losing their work/progress? | | | | | |
| Can the platform provide user accounts for staff members (principals and other admin) who are not assigned students? | X | | | | If yes, <ul><li>What roles can be assigned within the system and how are permissions/access controlled?</li><li>Specify if this is part of a standard contract or would require additional purchase.</li></ul> Principals and other admin can be designated as District Administrators and/or School Administrators. Persons in the District Administrator role have access to teacher and student accounts, classes and student progress data within their district. Persons in the school Administrator role have access to teacher and student accounts, classes and student progress data within their school. This is part of a standard contract. |
| Can passwords be reset without assistance from trained IT staff? | X | | | | If yes, <ul><li>Describe if the customer is able to enable/disable this feature.</li><li>Detail for whom (students, teachers, all staff).</li></ul> The customer is not able to disable this feature. Students, teachers and staff who have accounts can all use the password reset feature. |
| When working offline, does the product automatically sync when a connection is re-established? | X | | | | |

# 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? | X | | | | If yes,<br>• Specify type of support provided.<br>The Savvas Resource Deployment office will work with the district to deploy the teams and our Delivery Directors will help to manage the implementation and training. |
| Is technical support provided during the duration of the contract? | X | | | | If yes,<br>• Specify the type of support provided and the audience.<br>• Include where users get tech support.<br>• Can students access on-demand technical assistance? Parents? Teachers? Is this through a ticketing system or live chat?<br>• What hours is help available?<br>• Is there a response time guarantee?<br><br>Savvas Realize support is available Monday–Friday from 7 a.m.–7 p.m. central time: |

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| | | | | | Technical support representatives for teachers, students, and parents can be reached by phone at 800.234.5832.<br>Online customer service is available at https://support.savvas.com/support/s/prek12-technical-support<br><br>Additional on-demand training in the form of tutorials, webinars, guides, and quick tips is available at www.mysavvastraining.com .<br><br>Savvas Realize has a Help section under the user profile for students and teachers. Information includes using and understanding the various capabilities and functions of our online learning management platform. |
| If utilizing a free or trial version, is technical support provided? | X | | | | | Trial users can work with their Savvas Account Representative with any issues they encounter. |
| Are there self-service supports for troubleshooting? | X | | | | | If yes,<br>    ● Specify the type/form of support provided.<br>On-demand training in the form of tutorials, webinars, guides, and quick tips is available at www.mysavvastraining.com .<br><br>Savvas Realize has a Help section under the user profile for students and teachers. Information includes using and understanding the various capabilities and functions of our online learning management platform. |
| Does technical support include planning for emergency access and district support? | X | | | | | |

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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.

**\* Note:**
**"Yes with core product"** below should be used to indicate functionality in the core materials as reviewed by EdReports that are available without LMS integration.
**"Yes with dependencies"** below refers to functionality in the materials reviewed by EdReports that are present or accessible only through working in a separate LMS, by utilizing other software as a plug-in, linking externally to sites outside the materials, or if functionality is dependent on a supplemental purchase.

| Questions | Check Only One | | | | Details |
| --- | --- | --- | --- | --- | --- |
| | **Yes** with core product | **Yes** with dependencies | **No** | Under Development | |
| Does the product have a native mobile application? | X | | | | Savvas Realize is a cloud deployed application accessible on most modern browsers. We offer a Realize Reader app to provide teachers and students with eText access. |
| Is the product browser-based? | X | | | | |
| Does the product use responsive design for rendering on smartphones? | **X** | | | | Use of Savvas Realize on a smart phone is not officially supported, but Realize and Realize Reader will operate in other, untested combinations of operating systems and browsers.By designating officially-supported operating systems and browsers, Savvas is able to ensure an optimal user experience. |

| Does the product use responsive design for rendering on tablet devices? | **X** | | | | |
|---|---|---|---|---|---|
| Does the product use responsive design for rendering on laptop devices? | X | | | | |
| Does the product use responsive design for rendering on desktop devices? | X | | | | |
| 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 | | | | If yes,<br>    ● Are additional software downloads or licenses necessary?<br>No additional downloads or licenses are needed. |

| Device Type | Mark box if device is compatible | Oldest operating system/version supported | Newest operating system/version supported | Details<br>Indicate if the materials are designed for a specific device type or if they are generally compatible. |
|---|---|---|---|---|
| Windows | x | Windows 7 | Windows 10 | Device agnostic |
| Linux | ☐ | | | |
| Windows Tablet | ☐ | | | |
| Apple Laptop/Desktop | x | Mac OS 10 | Mac OS 10.13 | Device agnostic |
| iPhone | ☐ | | | Use of Savvas Realize on a smart phone is not officially supported, but Realize and Realize Reader will operate in other, untested combinations of operating systems and browsers.By designating officially-supported operating systems and browsers, Savvas is able to ensure an optimal user experience. |
| iPad | x | iPad OS 12.4.5 | iPad OS 13.3.1 | Device agnostic |
| Android Phone | ☐ | | | If supported, provide details about any differences between devices. |

| | | | | Use of Savvas Realize on a smart phone is not officially supported, but Realize and Realize Reader will operate in other, untested combinations of operating systems and browsers.By designating officially-supported operating systems and browsers, Savvas is able to ensure an optimal user experience. |
|---|---|---|---|---|
| Android Tablet | x | Android 5.0 | Android 5.0 | Large tablet over 768 DP |
| Chromebook/Chrome OS | x | Chrome OS 77 | Chrome OS 77 | Device Agnostic |
| Amazon Fire OS | ☐ | | | |
| Other E-Reader | ☐ | | | If supported, specify which e-readers are compatible. |
| Interactive Whiteboard | X | | | |

| Browser | | Operating System | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | Apple | | Windows | | | | |
| | Check if browser is compatible | Oldest version supported | Newest version supported | Oldest version supported | Newest version supported | Linux | Chrome OS | N/A |
| Chrome | X | | | Chrome 80 | Chrome 80 | | Chrome 80 | |
| Firefox | X | | | Firefox 73 | Firefox 74 | | | |
| Safari | X | Safari 11 | Safari 11 | | | | | |
| Edge (formerly Internet Explorer) | X | | | Edge 18 | Edge 18 | | | |
| Internet Explorer | ☐ | | | | | | | |
| Other:____ | ☐ | | | | | | | |
| Additional Notes: The Realize and Realize Reader Web system requirements include the latest versions of Google™ Chrome™, Microsoft Edge®, Mozilla® Firefox®, and Apple® Safari®. By designating officially-supported operating systems and browsers, Savvas is able to ensure an optimal user experience; however, Realize and Realize Reader will operate in other, untested combinations of operating systems and browsers. | | | | | | | | |

# 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 | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Screen Magnification Software | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Text Readers | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Adjustable Print Size | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Speech Input Software | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |

| | | | | | |
|---|---|---|---|---|---|
| Header Point Devices | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Motion/Eye Tracking Devices | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Single Switch Entry Devices | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Braille Readers/ Display Devices | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Closed Captioning | | | | X | |
| Alternative Input Devices | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| High Color Contrast Display Options | | | | X | |
| Translation of Text to Other Languages | | | X | | If yes,<br>● Specify available languages<br>● |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | enVision Mathematics Common Core is available, in print and digital format, in Spanish. Additionally, the Student Edition on SavvasRealize.com can be used in conjunction with Google Translate to translate content digitally in over 100 languages. |
| Bilingual Dictionaries available for students | X | | | | An animated glossary is available to students and teachers in both English and Spanish. |
| Are there required accessories (headsets, speakers)? | | | X | | If yes,<br>● Specify if they are provided with the materials or must be acquired separately. |
| Multiple Playback of audio/video | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Can students adjust the speed of audio/video playback? | X | | | | Following Web Accessibility Guidelines enables users to access digital content with their preferred method of AT or "user agent" such as preferred browsers or media players. |
| Are these accessibility supports able to be turned on/off? | | | X | | If yes,<br>● Specify which supports and who has access to turn them on/off. |
| Does all browser-based technology satisfy the Web Content Accessibility Guidelines or VPAT? | | | X | | If yes,<br>● Provide reports from the software or organization used to test the product. |

# 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 | | | If yes,<br>• Specify which data elements are encrypted.<br>• Describe the encryption method used.<br>• Identify data that are persisted without encryption.<br>AE 256 at rest / SSL/TSL in transmission |
| **Data Security:** Do the materials refer students to video, content, and other online sources that are not native to the materials? | X | | | If yes,<br>• Is it a closed system? If no, how does it direct out of the environment?<br>Some video content is embedded and part of the native product. Additionally, Realize utilizes OpenEd Resources search engine for teachers. OpenEd is a vetted, safe search engine for learning. The system is closed. |
| **Data Security:** Does the end-user licensing agreement allow customers to scrape data from the product? | X | | | Student data can be exported by teachers and administrators. |
| **Privacy:** Is personally-identifying student data provided to, generated by, or stored in any systems used by the product? | X | | | If yes,<br>• List all data elements that customers are required to provide.<br>• List all data elements that are optional for customers to provide.<br>• List all data elements created by the product. |

| | | | | |
|---|---|---|---|---|
| | | | | • List all data elements stored in any of the product's systems.<br>Required PII includes: Student first name, last name, student ID (if provided). Teacher name and email. Students' assessment results and other student-generated content may be collected. |
| **Privacy:** Does the product/vendor make their student privacy policy publicly available? | X | | | If yes,<br>• Provide a link to the policy in the details.<br>https://www.pearsonrealize.com/privacy/corporate/privacy/learning-services-privacy-policy.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 | | | |
| **Privacy:** Has a third-party evaluated the product for FERPA compliance? | | X | | • Savvas Realize Privacy Policy can be found here: https://www.pearsonrealize.com/privacy/corporate/privacy/learning-services-privacy-policy.html |
| **Privacy:** Does the product allow registration or data collection from children under the age of 13? | X | | | • We do not have the Safe Harbor Certificate. COPPA permissions are automatically granted by our District customers under FERPA Additional information can be found in the Savvas Realize User Agreement: https://www.pearsonrealize.com/userAgreement.html |

# 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 | | Cloud based solution |
| Is the product installed on individual computers (from CD-ROM/DVD, flash drive, etc.): no internet connection required? | | X | | |
| 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 | | | Here is a list and support information for URLS necessary to access minimum Savvas Realize functionality: https://pearsonnacommunity.force.com/support/s/article/Realize-Permitted-URLs-Whitelist |
| Does the product support deployment through Mobile Device Management (MDM) systems? | X | | | If yes,<br>• The Realize Reader app is available in the Apple App store, Chrome Web store and Windows Microsoft store. Any MDM that is compatible with apps from these locations can be used by a district. |
| Does the product provide a detailed schedule of updates that minimizes access interruption? | X | | | Feature updates are scheduled approximately quarterly throughout the year and most require no downtime. In the instance of planned downtime, users are notified via in app message. |

| Does the login authentication use district protocols to establish unique and memorable usernames and passwords? | | X | | If yes,<br>    ●  Indicate if district staff/student unique IDs are used.<br>Usernames and passwords are generated by the district.<br>If other,<br>    ●  Specify the protocols. |
| Is there an option for concurrent user licensing? | | | X | Digital licenses are issued on a per student seat basis. |

<br>

| 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) | X | https://site.imsglobal.org/certifications/savvas-learning-company/savvas-realize-formerly-pearson-realize |
| 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.imsglobal.org/certifications/savvas-learning-company/savvas-realize-formerly-pearson-realize |
| IMS Global (Caliper Analytics) | X | https://site.imsglobal.org/certifications/savvas-learning-company/savvas-realize-formerly-pearson-realize |

| | | |
|---|---|---|
| IMS Global (Question and Test Interoperability (QTI)) | X | https://site.imsglobal.org/certifications/savvas-learning-company/savvas-realize-formerly-pearson-realize |
| IMS Global (Learning Tools Interoperability (LTI)) | X | V 1.3 https://site.imsglobal.org/certifications/savvas-learning-company/savvas-realize-lti-v201-formerly-pearson-k-12-learning |
| IMS Global (LTI Advantage) | x | https://site.imsglobal.org/certifications/savvas-learning-company/savvas-realize-lti-v201-formerly-pearson-k-12-learning |
| IMS Global (Common Cartridge) | X | Thin Common Cartridge provider. https://site.imsglobal.org/certifications/savvas-learning-company |
| IMS Global (Lite Common Cartridge) | X | Thin Common Cartridge provider. https://site.imsglobal.org/certifications/savvas-learning-company |
| 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? | We work towards the industry standard 3 seconds, but that is dependent on the user's connection. |
| What is the required bandwidth per user? | A bandwidth speed of 1 Mbps per user is recommended for optimal performance on all Realize and Realize Reader apps. |
| Are results of stress tests provided to customers? | No, but internal stress testing is performed. |
| Is a disaster recovery plan for data provided to customers? | Our systems are setup in a manner which will automatically fail over to another data center, within minutes, if any critical metrics are triggered, such as a system coming offline unexpectedly. |
| Are customers provided with a standardized implementation plan to ensure a successful rollout? | The Savvas Resource Deployment office will work with the Account General Manager to deploy the teams, and our Delivery Directors will help to manage the implementation and training. |

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|---|---|
| Does the service level agreement include uptime guarantees of at least 95% excluding planned maintenance/down-times? | Yes |
| Does the product require a VPN for off site access? | No |