



ISTE Seal Review Findings Report

**Amplify
Desmos Math**

2025



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ABOUT

ABOUT ISTE

The International Society for Technology in Education (ISTE) is home to a community of global educators and solution providers who are passionate about using technology to revolutionize learning. Our vision is to create a bold community where education innovators are supported in reimagining and redesigning learning with a focus on using technology to create transformational and equitable experiences for learners. We're making this vision a reality by delivering practical guidance, evidence-based professional learning, virtual networks, thought-provoking events and the ISTE Standards.

ISTE SEAL

The ISTE Seal serves as a mark of high-quality product design for solutions that enable and guide high-quality learning. By choosing to demonstrate their commitment to supporting best practices for teaching and learning, these products show a purposeful and meaningful dedication to practical usability, digital pedagogical implementation, and the ISTE Standards. With a focus on user experience, product usability, and the most essential elements of instructional technology today, the ISTE Seal provides a set of criteria and simple indicators to guide educators, students, and technology directors toward the very best products on the market.

ISTE awards a seal only after an extensive analysis conducted by trained ISTE reviewers that ensures a product meets all critical elements under specific review criteria.



By earning an ISTE Seal, ISTE verifies that this product:

- Promotes critical technology skills.
- Supports the use of technology in appropriate ways.
- Incorporates digital pedagogy and the learning sciences.
- Addresses key elements of tech usability, user experience and user interface.
- Aligns to ISTE Standards in specific ways.

RESOURCE DESCRIPTION

WHAT IS *Amplify Desmos Math*?

Amplify Desmos Math is a comprehensive, curiosity-driven program for grades K–12 that builds lifelong math proficiency. Through a structured approach to problem-based learning, the program helps teachers create a collaborative math community with students at its center. Amplify Desmos Math pairs problems that engage students' natural curiosity with clear, step-by-step instructional moves, enabling teachers to help students develop lasting grade-level understanding. The program blends print and digital lessons with teacher support and built-in tools that tap into students' thinking and encourage them to take ownership of their mathematical learning.

HOW IS *Amplify Desmos Math* IMPLEMENTED?

Amplify Desmos Math is implemented as a comprehensive core math curriculum for grades K–12 in classroom settings. The program utilizes a blend of print and digital resources with embedded teacher support and tools designed to reveal student thinking during mathematics lessons. Amplify commits to ongoing partnerships with school districts through its Customer Success and Professional Learning teams to ensure successful program implementation. Districts collaborate closely with these teams to achieve desired implementation outcomes, with customized support based on each district's specific goals and needs.

ISTE SEAL REVIEW

Product: Amplify Desmos Math

Product Type: Curriculum

Organization: Amplify

Date of Award: April 2025

REVIEW METHODOLOGY

ISTE Seal reviews are conducted by a distinguished panel of experts in education, instruction, and technology. These experts utilize the most up-to-date data provided by the organization to conduct thorough evaluations of each solution. The evaluations focus on assessing the solution's performance in addressing specific elements outlined in the technical and pedagogical usability framework and the ISTE Standards.

To complete their rigorous evaluations, the reviewers utilize a comprehensive rating system, categorizing each solution as either "meets expectations" or "does not meet expectations." This assessment covers both the required and optional "Look Fors" outlined in the application. To ensure the validity and reliability of their results, the reviewers regularly engage in calibrations. Final review findings are then analyzed and combined, providing an overall score for alignment with each indicator.

At ISTE, we take great pride in our unwavering commitment to delivering results that schools and districts can have full confidence in. To be deemed education-ready learning solutions, products must meet the high standards in learning sciences, user experience and interface, accessibility, and content quality.



SCOPE OF REVIEW

Amplify Desmos Math was reviewed against the technical, pedagogical usability framework and the ISTE Standards to determine whether **the solution is education-ready**. ISTE reviewers examined all evidence provided by the organization and interacted directly with the product.

REVIEW FINDINGS

ISTE STANDARDS: The ISTE Standards provide the competencies for learning, teaching, and leading in the digital age, providing a comprehensive roadmap for the effective use of technology in schools worldwide. Grounded in learning science research and based on practitioner experience, the ISTE Standards ensure that using technology for learning can create high-impact, sustainable, scalable, and equitable learning experiences for all learners.

Empowered Learner 1.1.a

Students set learning goals, develop strategies leveraging technology to achieve them and reflect on the learning process to improve learning outcomes.

Empowered Learner 1.1.b

Students build networks and customize their learning environments in ways that support the learning process.

Empowered Learner 1.1.c

Students use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.

Empowered Learner 1.1.d

Students understand fundamental concepts of how technology works, demonstrate the ability to choose and use current technologies effectively, and are adept at thoughtfully exploring emerging technologies.



FEEDBACK	OUTCOME
<ul style="list-style-type: none"> • The curriculum supports students in setting learning goals through personalized feedback and formative assessments that enable progress monitoring while encouraging reflection. • Students build customized learning experiences through interactive content that allows them to explore mathematical concepts at their own pace. • The Responsive Feedback™ system provides immediate and actionable feedback that helps students understand their mistakes and adjust learning strategies accordingly. • Students develop a foundational understanding of how technology works in educational settings by engaging with integrated tools like visualizations, simulations, and real-time feedback. 	
<p>DIMENSION 1: USER INTERFACE AND AGENCY</p> <p>Definition: The design of the product interface and user experience helps teachers quickly and reliably achieve instructional goals. This dimension includes features related to interface design, learnability, navigation, maximizing time on task, control over actions, and general usability.</p>	
FEEDBACK	OUTCOME



<ul style="list-style-type: none"> • The platform provides in-context tooltips and guided tutorials to assist users in navigating new features and complex workflows. • The interface maintains a clean, well-spaced layout with consistent top and left menus that offer flexible options based on where users work within the platform. • Teachers can easily access all content pinned to the main page and find content with an effective keyword search field and filtering options. • Educators easily switch between teacher and student perspectives to preview lessons exactly as students see them. 	
<p>DIMENSION 2: LEARNING DESIGN</p> <p>Definition: The product has features that exhibit and promote design and customization of learning episodes in ways that align with research-based best practices, including those rooted in the learning sciences.</p>	
FEEDBACK	OUTCOME
<ul style="list-style-type: none"> • The "Lesson at a Glance" feature provides valuable insights into how each lesson builds on prior knowledge and prepares students for future learning, supporting educators in making intentional instructional decisions. • Various multimedia elements including graphs, animations, and interactive tools complement textual 	



<p>explanations to enhance understanding of mathematical concepts.</p> <ul style="list-style-type: none"> • Every task incorporates checks that allow students to reflect and retry, with teacher-controlled reflection opportunities at task completion. • The dashboard enables teachers to customize and differentiate content through a modular design that allows linking to specific lessons or activities. 	
<p>DIMENSION 3: DIGITAL PEDAGOGY</p> <p>Definition: The product is designed to support the development of digital age learning skills, capacities and knowledge. This dimension focuses on how technology can help students and teachers experience the best possible learning experiences, including the social and learning affordances that digital educational products uniquely offer.</p>	
<p style="text-align: center;">FEEDBACK</p>	<p style="text-align: center;">OUTCOME</p>
<ul style="list-style-type: none"> • Students create challenges and solution designs by applying concepts to real-world problems and developing original answers. • The curriculum emphasizes problem-based learning through meaningful tasks that require strategic problem-solving and critical thinking within a guided design process. • Teachers can annotate student work and provide collaborative options online and offline. 	



<p>DIMENSION 4: INCLUSIVITY</p> <p>Definition: The product helps teachers provide learning experiences that are relevant to students of many cultures, backgrounds, and abilities, and support learner motivation and agency in the learning process. The product meets current guidelines around accessibility, and supports a positive classroom culture.</p>	
FEEDBACK	OUTCOME
<ul style="list-style-type: none"> • The curriculum ensures respectful portrayals through multicultural names and Unit Stories that authentically depict various cultures, identities, and experiences, while incorporating language support strategies for multilingual learners. • Unit Stories introduce characters from diverse backgrounds, cultures, and abilities, encouraging students to explore different perspectives while making personal connections to mathematics through real-world scenarios. • Teachers receive accessibility strategies for a wide range of needs including executive functions, and an accessibility link in the footer of every page leads to a detailed list with links and instructions for using the available tools. • The platform provides closed captioning for instructional videos and adjustable speed controls for audio and video playback to accommodate different learning needs. 	



<p>DIMENSION 5: ASSESSMENT AND DATA</p> <p>Definition: The product uses formative assessments – learning experiences that help make visible what students know and don’t yet know – to generate data that inform teachers about student knowledge and skill gaps, and provide students assessment feedback that is specific, actionable, and constructive. As such, it guides teachers’ instructional decisions and students’ learning journeys.</p>	
FEEDBACK	OUTCOME
<ul style="list-style-type: none"> • Formative assessments embed seamlessly throughout learning episodes, including "no stakes" diagnostic quizzes at the beginning of each section to help teachers assess prior knowledge and tailor instruction. • The platform delivers immediate, interactive feedback using visual tools like tables, graphs, animations, and number lines that help students understand their thinking beyond right or wrong answers. • Teachers gain quick access to assessment results for individuals and groups through a dashboard offering configurable views of performance breakdowns. • The platform enables teachers to share analytics, student work, and group responses, making data actionable in real-time discussions with students. 	



CONCLUSION

Amplify Desmos Math transforms classrooms into engaged mathematical communities where student thinking is valued and developed. The program's intuitive design builds student curiosity and promotes deep conceptual understanding through interactive problem-based learning. The product excels in providing teachers with comprehensive tools to support instruction and assessment. Its real-time analytics dashboard offers valuable insights into student performance, while the responsive feedback mechanisms help students understand their thinking and make adjustments. The "Lesson at a Glance" feature supports educators in making intentional instructional decisions by clarifying how each lesson builds on prior knowledge and prepares students for future learning.

The product demonstrates a strong commitment to inclusivity by representing diverse cultures and identities in Unit Stories and problem contexts. The platform provides robust accessibility features, including closed captioning, speed controls, and specialized strategies for various learning needs. These elements collectively create an environment where all students can engage meaningfully with mathematical content.

The assessment system seamlessly integrates formative checks throughout learning episodes, allowing students to gauge their understanding at key points. The immediate, visual feedback goes beyond simple right or wrong answers, enabling students to explore variables, visualize concepts, and build deeper comprehension. Teachers can leverage this assessment data to personalize instruction and build on what students already know.

Amplify Desmos Math effectively fulfills the ISTE Seal requirements by providing a comprehensive tool that engages students in mathematical thinking while supporting teachers in effective instruction. Its customizable content features enable



a flexible approach to teaching that accommodates diverse learning needs and promotes inclusion for every student. The platform's focus on building mathematical proficiency through curiosity-driven learning creates a positive environment where students can develop a lasting understanding of grade-level concepts.