



How Adaptive Are Your Learning Solutions?

Many technology programs claim to personalize learning through adaptivity. However, programs often only digitize instruction rather than personalize it.

Discover what makes a learning solution truly adaptive and, in turn, powerful.

Adaptivity

Limited/No Adaptivity



Individualizes Learning

- ✗ The program delivers instruction for the same curricula at an individual pace.



Personalizes Learning

- ✓ The program tailors learning methods, pace, preferences, and interests to meet each student's specific learning needs.



Employs Fixed Assessments

- ✗ The program uses only **benchmark assessments** to determine student proficiency. These assessments may be used infrequently or in isolation from other progress monitoring tools. Student performance on infrequent assessments determines if they have demonstrated enough proficiency to move to the next level of instruction.
- ✗ The program uses a **summative assessment** at the end of the program to evaluate growth. Students are aware they are being tested, but the assessment results do not necessarily inform the learning path forward.



Employs Continuous Assessments

- ✓ Adaptive programs continuously use **ongoing formative assessments** to measure student understanding in real time. This captured data dynamically informs individual learning paths to guide students through the curriculum.
- ✓ The program uses **embedded adaptive assessments** within each lesson to assess mastery fluidly, and seamlessly shift instruction while students are immersed in the program. The intelligent software determines if students need to revisit previous lessons in a new way, so they demonstrate mastery before moving onto another skill.



Leverages Limited Data to Inform Program Progress

- ✗ The program employs a binary of right/wrong answers, essentially digitizing curriculum rather than personalizing instruction. This method results in a static program that may follow a single approach for instruction or lesson scaffolding.
- ✗ The program uses traditional direct-response questions that offer limited or no branching logic. Therefore, it cannot detect how learners arrive at answers. As a result, the program is unable to provide dynamic scaffolding to assist learners.
- ✗ The program moves students to new skills based entirely on correct responses to questions and does not detect false positives for understanding.



Leverages Robust Data to Inform Program Instruction

- ✓ Adaptive learning solutions offer students rich, interactive manipulatives to track and analyze how a student arrives at an answer. The software leverages this data to construct the appropriate scaffolding.
- ✓ An adaptive software program continuously adjusts and readjusts instruction based on data captured during play, through problem-solving strategies, and across student answers. Based on advanced analyses, the software can determine a specific instructional model tailored to each student.
- ✓ Adaptive technology uses a multipronged approach to build student understanding. The software adapts the difficulty within the lessons, introduces progressive scaffolding, and adjusts the lesson sequence to provide additional or parallel lessons that approach the concept differently.
- ✓ The adaptive technology continues to monitor student understanding and introduces or reintroduces practice-based lessons as necessary. This personalized sequencing ensures students always build on skills they have mastered.

Limited/No Adaptivity



Steers Students Down a Singular Learning Path

- ✗ The program's instruction follows a single path with the same starting point, milestones, and end point for every learner.
- ✗ The learning solution provides all students the same sequence as it introduces new skills and provides practice. The learning experience does not change in real time as students work through problems. Instead, students follow a predetermined instructional experience until they demonstrate mastery.
- ✗ The software tracks a limited set of behaviors. It may only adjust the pace of instruction or the number of questions for a concept. Often this adjustment may come after a student has missed an earlier concept.



Intelligent Adaptivity

Guides Students Along a Dynamic Learning Path

- ✓ Adaptive software determines each lesson in real time based on student progress. Students follow hundreds of pathways as they demonstrate conceptual understanding of new skills and practice previously introduced skills.
- ✓ Adaptive software provides students dynamic learning that changes based on student progress from moment to moment.
- ✓ An adaptive learning platform considers the nonlinear path students may take. It uses unique lesson sequencing technology to maximize each student's learning in all curricula. Therefore, students can work on skills in more than one grade level simultaneously.



Prescribes a Passive Learning Experience to Students

- ✗ The program offers a one-size-fits-all instructional model.
- ✗ Students are not able to explore the learning environment or engage with content in a way that makes sense to them.
- ✗ The program tells students the correct answer or the next step of a strategy rather than allowing students to demonstrate their understanding differently.
- ✗ The program provides limited learning modes that may not accommodate accessibility needs, support multilingual learners, or consider existing skills and background knowledge.



Empowers Students to Actively Self-Direct Learning

- ✓ The program offers a data-driven, student-centered approach to instruction that considers each student's diverse interests, preferences, and needs.
- ✓ The program offers multiple learning modes to empower students with the skills, information, and tools to manage their own learning.
- ✓ Adaptive learning software provides interactive problem-solving support including extensive, detailed feedback to encourage students to rethink strategies and solutions. It ultimately corrects misunderstandings or mistakes by furthering understanding.
- ✓ The Intelligent Adaptive Learning solution uses pedagogically sound approaches that support students as they learn important concepts and skills. Tasks are meaningful, delivered at an optimal level of difficulty for the student, and contextualized in ways that enable students to build schemas so they can make sense of the concept within the world around them.



To learn how DreamBox Intelligent Adaptive Learning technology can support your district's math and reading goals, visit [DreamBox.com](https://www.dreambox.com)

