Let Learning Take Flight

Personalized Learning Solutions in Mathematics and English Language Arts
Accelerate Learning Through Personalized Instruction

Redbird solutions share the same vision of accelerating learning through personalized instruction, and both draw from pioneering research in adaptive learning technology. Originally developed at Stanford University, together they provide a common set of user experiences and reporting that can help elevate students in both Mathematics and English Language Arts.

Students scored up to 45% HIGHER on standardized achievement tests when regularly using Redbird solutions.

Using Stanford University’s Education Program for Gifted Youth (EPGY) to Support and Advance Student Achievement, NYU Steinhardt, March 2014
A Personalized Learning Path for Every Student

Redbird solutions deliver what each individual student needs to accelerate math or writing skills. More than 25 years of research has led to the Redbird adaptive learning model.

Understand
Concise, Powerful Instruction
Uses multiple instructional modalities to achieve deep understanding of concepts.

Apply
Adaptive, Rigorous Practice of Learned Concepts
Application of concepts through skill-building games and item sets.

Create
Synthesis of Instruction and Practice
STEM Projects and Writing Reviews allow students to synthesize learned concepts and real-world experiences.
Adaptive Technology Accelerates Student Learning

The Redbird adaptive motion engine ensures students are challenged with the right level of material as they progress through lessons. It continuously evaluates student performance and automatically adapts to either advance the student or to provide additional instruction or practice until proficiency is demonstrated.

Redbird Adaptive Motion Engine

Course Placement Activity

Students begin their Redbird journey with an adaptive Course Placement Activity that evaluates what students know and determines the grade level of content they’re most ready to learn.

Instruction

Instruction incorporates multiple modalities of learning and varied ways to interact with the content, enriching and deepening learning for students.

Item sets measure proficiency and expand to provide additional reinforcement, if needed, or truncate when proficiency has been demonstrated.

Real-Time Reporting & Teacher News Feed

Precursor Lesson

Precursor Lessons are added to the student’s learning path when they struggle to build stronger foundations or close a learning gap. Once a precursor lesson is finished, the student is returned to the on-level lesson.
Empowering Educators in the Classroom

With data that is easy to access and understand, teachers can immediately:

- Track progress of the entire class in one dashboard.
- Use data to inform their instructional planning.
- Share results with parents to improve transparency.

NEWS FEED
Real-time updates on student activity and progress, including when students struggle and when they soar.

STUDENT SNAPSHOT
A detailed outline of each student’s personalized path through the program allows teachers to review progress, discuss understandings, and improve effective use of Redbird.

STUDENT REPLAY
Keystroke-by-keystroke recordings of student activity on every interactive feature allows educators to review and discuss areas where students are struggling.

CLASSROOM OVERVIEW
Key metrics are displayed to determine how well students are progressing and identify which students need teacher attention.
Accelerate Student Learning in Math Through Personalized Instruction

*Redbird Mathematics* uses real-world examples and STEM careers to help students build confidence and enthusiasm for math. Students gain a strong appreciation of the relevance of math in daily life and learn to see themselves in real-world STEM careers.

**Instruction is personalized:** Moves beyond simple assessment and practice to offer actual individualized instruction at the level where students are ready to learn

**Learning is accelerated:** Teaches more than how to solve problems, it builds student skills in mathematical thinking

**Students are empowered:** Includes more than 15,000 interactive problems and games as well as projects rooted in real-life STEM applications to keep students engaged

*Inspire Interest in Math Through STEM Projects*

1. Introduction to STEM project challenge and STEM career
2. Synthesis of mathematics learning to determine mathematic constraints for the challenge
3. Creation of a solution to address that challenge using design, simulation, or coding tools
4. Extensions, including an even more difficult challenge that uses the same tool and links to other experiences
Redbird Language Arts & Writing

Addresses standards for grades 2–7

Build Foundational Writing Skills

Redbird Language Arts & Writing leverages a student-centered personalized learning model to get students writing more. It offers immediate, error-specific feedback so students can continuously revise, improve, and strengthen their foundational writing skills without requiring teachers to grade more.

Instruction is personalized:
Moves beyond simple assessment and practice to offer individualized instruction at the level where students are ready to learn

Learning is accelerated:
Integrates groundbreaking writing analysis technology, allowing students to receive immediate, error-specific feedback on sentence and paragraph compositions

Educators are empowered:
Frees educators from basic grammar and simple mechanics instruction, which enables deeper and more complex conversations about style, voice, and meaning, truly boosting student writing skills

Groundbreaking Writing Analysis Technology

Developed by leading researchers, this proprietary technology:

- Is informed by more than 10 million student-composed sentences.
- Can accurately and immediately identify hundreds of common errors in grammar and word choice.
- Brings unparalleled personalization to the study of writing and provides constant, one-to-one support for students.
- Allows students to receive immediate feedback to instantly correct their errors and learn from mistakes without increasing the teachers’ grading load.

Don’t use "him" here. Instead, use the subject pronoun "he", or a noun phrase like "John" or "the boy. Correct any mistake, and add a period at the end of the sentence again.

Punctuation with Commas

When the worker reaches the well, he climbs down into it.

Which way does the worker go?

Adverb down
in set
up

Article the

Noun Grace
well worker

Preposition down into up

Pronoun him, them

Verb goes, going

Him goes down into the well.

Don’t use "him" here. Instead, use the subject pronoun "he", or a noun phrase like "John" or "the boy. Correct any mistake, and add a period at the end of the sentence again.
Easy to Implement and Adaptive to the Needs of Any Classroom

*Redbird* personalized learning solutions are easy to implement and are adaptive to the needs of any classroom—whether you’re just getting started with blended learning, or already an expert. If you’re new to blended learning, consider one of the models here that educators across the country have found to be successful for them.

1. **Station Rotation**
   Students visit stations in the classroom to access *Redbird* solutions and the teacher can spend time with the whole class as well. This is a familiar model to many educators and an easy way to incorporate personalized learning.

2. **Individual Rotation**
   Students visit a computer lab for a class period, or 1:1 is achieved via computer cart to access *Redbird* solutions. This model allows for easy class management and access to the benefits of personalization—data, addressing students’ unique needs, and success for students who often struggle.

3. **Student Choice**
   Students are given a menu of personalized learning options of which *Redbird* is one choice. They choose how and when they will meet their *Redbird* goals and objectives. This model encourages student agency and allows students to collaborate with educators to further personalize their learning.

Further enhance your blended learning initiatives with *Redbird Professional Learning*. This dynamic virtual environment teaches you how to make the most of your investment and prepares you for teaching in a technology-enabled classroom.

Learn more at [redbirdlearning.com](http://redbirdlearning.com).
Developed by Stanford University and built upon more than 25 years of research in adaptive learning, *Redbird* solutions empower students to achieve their full potential in Mathematics and English Language Arts.

**Instruction is Personalized**

**Learning is Accelerated**

**Students and Educators are Empowered**

Learn More at redbirdlearning.com