

REDBIRD

MATHEMATICS

Addresses standards for grades K–7

REDBIRD

LANGUAGE ARTS & WRITING

Addresses standards for grades 2–7

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



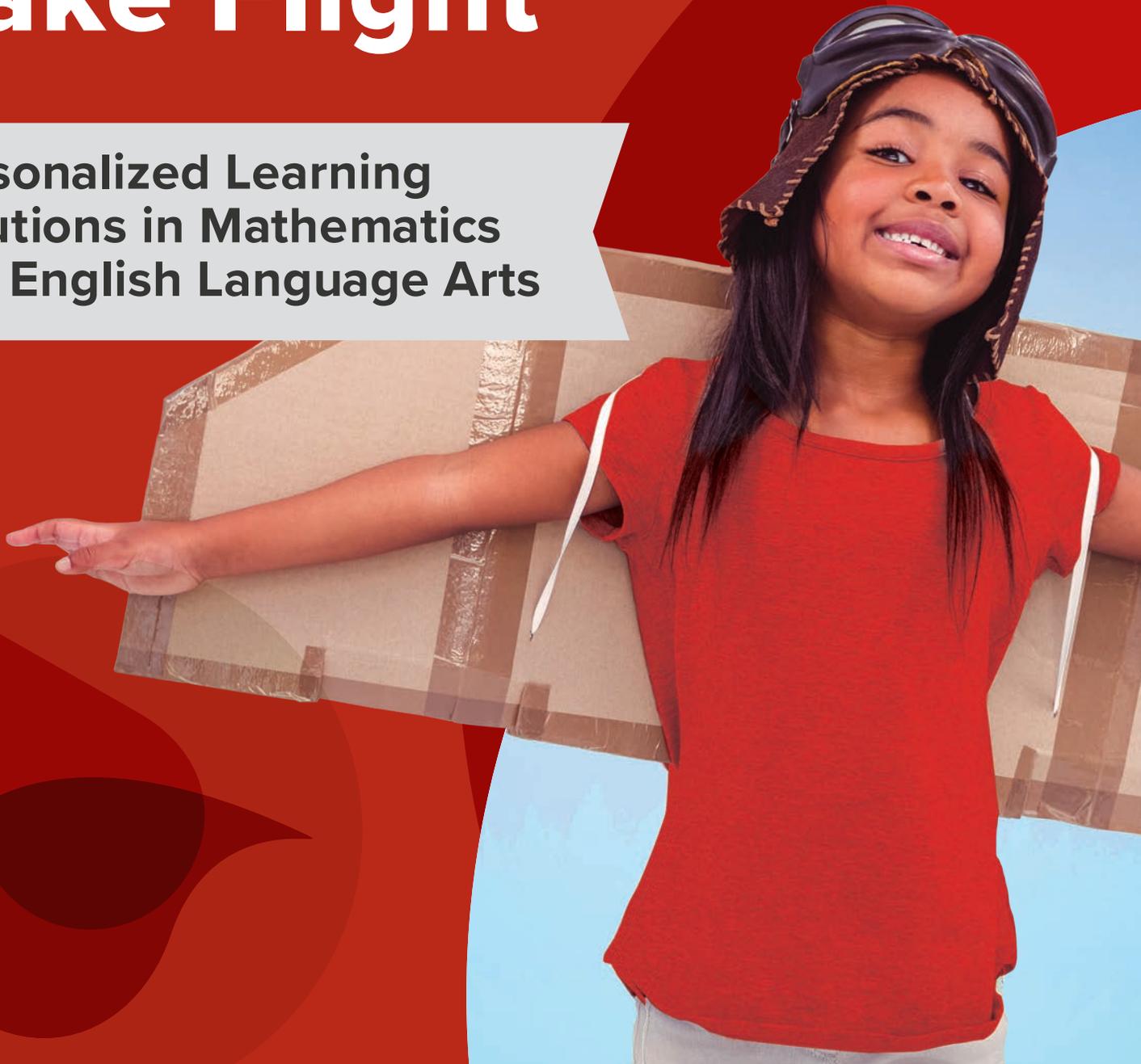
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REDBIRD

Let Learning Take Flight

Personalized Learning
Solutions in Mathematics
and English Language Arts



Originally developed by Stanford University



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.

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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.

Adverbs

Adverbs are words that describe verbs.

- quickly
- suddenly
- happily
- here
- nearby
- everywhere
- soon
- then
- today

Charlotte **wove** her web **quickly**.

Monica **will come** **here** after dinner.

Today the class **went** to see the penguins at the zoo.

Area and Circumference of a Circle

Is there a way to find the exact area of a circle?
A circle with radius r has a circumference of $2\pi r$. This fact can be used to find a formula for the area of a circle. Watch the video to find out how.

$\frac{1}{2}$ of $(2\pi r) = \pi r$

$\frac{1}{2}$ of $(2\pi r) = \pi r$

Historical Speech

Click the button in the sidebar to read the passage again.

Complete the text below from Muir's speech:

When I had last seen the Yosemite National _____ region, the face of the _____ in general was broken and wasted, like a beautiful countenance destroyed by some dreadful _____. Now it is blooming again as one general garden, in which beauty for aches has been granted in fine wild measure. The flowers and grasses are back again in their places as if they had never been away, and every _____ in the park is waving its _____ for joy.

arms | disease | Park | landscape | tree

CHECK

Writing Review: Narrative

Characters: Who will your narrative be about? **Setting:** Where will the action take place?

Action: What could have happened before the image?

Action: What is happening in the image?

Action: What happened after the image?

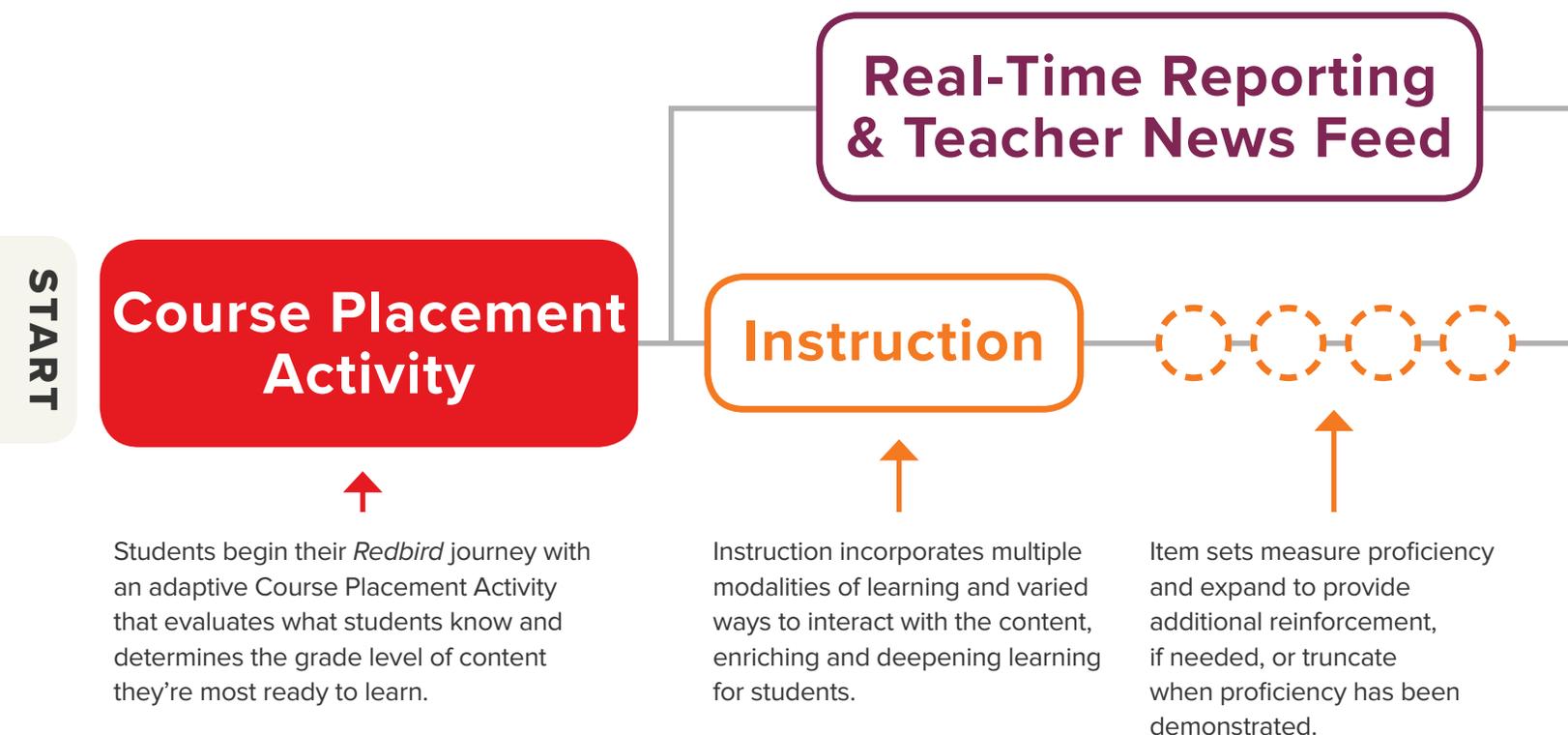
Goal: Simulate the evacuation of a coastal town.

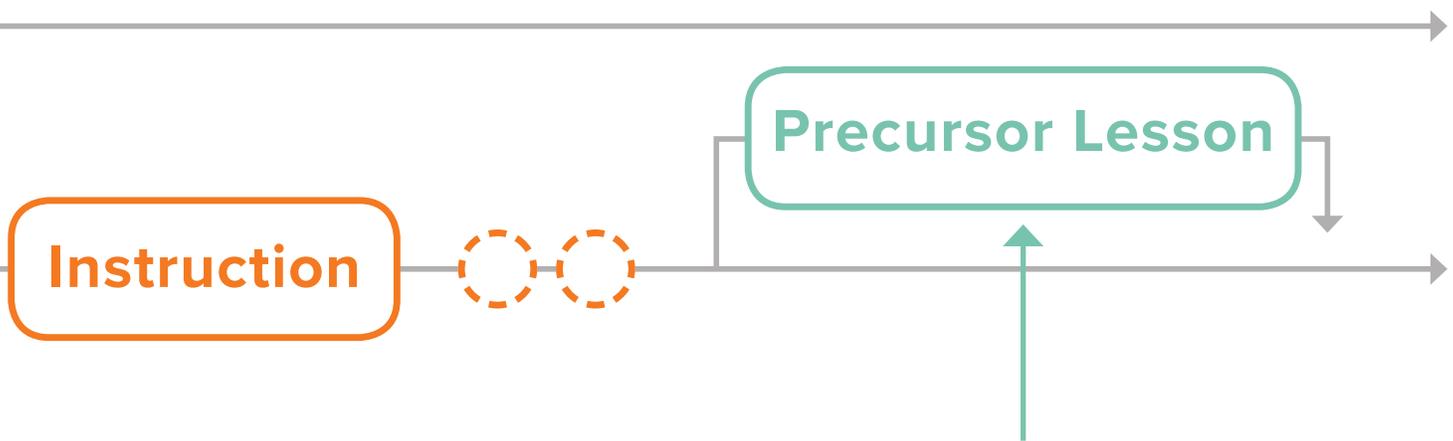
- Determine the number of evacuation vehicles needed.
- Direct evacuation vehicles to bring the town's residents to safety.

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





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.

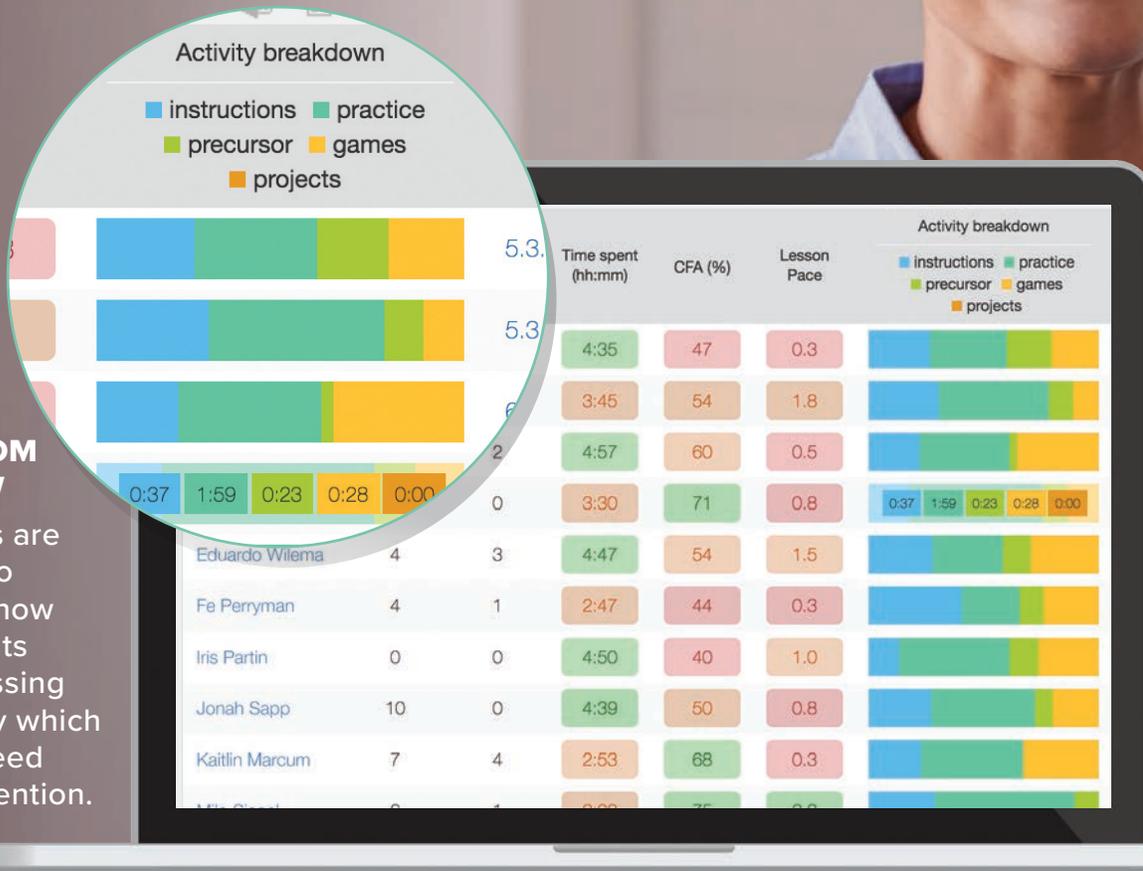
Empowering Educators in the Classroom

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

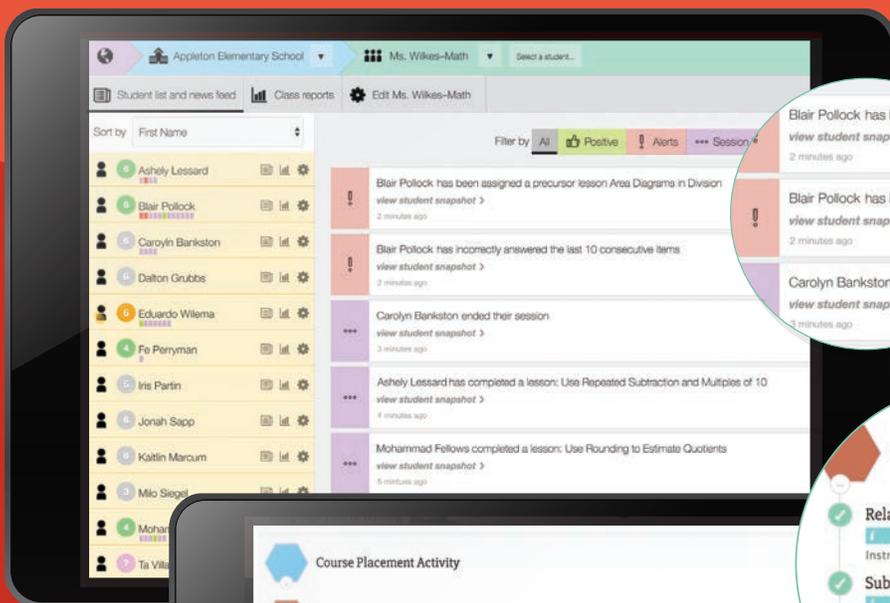
- Track progress of the entire class in one dashboard.
- Use data to inform their instructional planning.
- Share results with parents to improve transparency.

CLASSROOM OVERVIEW

Key metrics are displayed to determine how well students are progressing and identify which students need teacher attention.

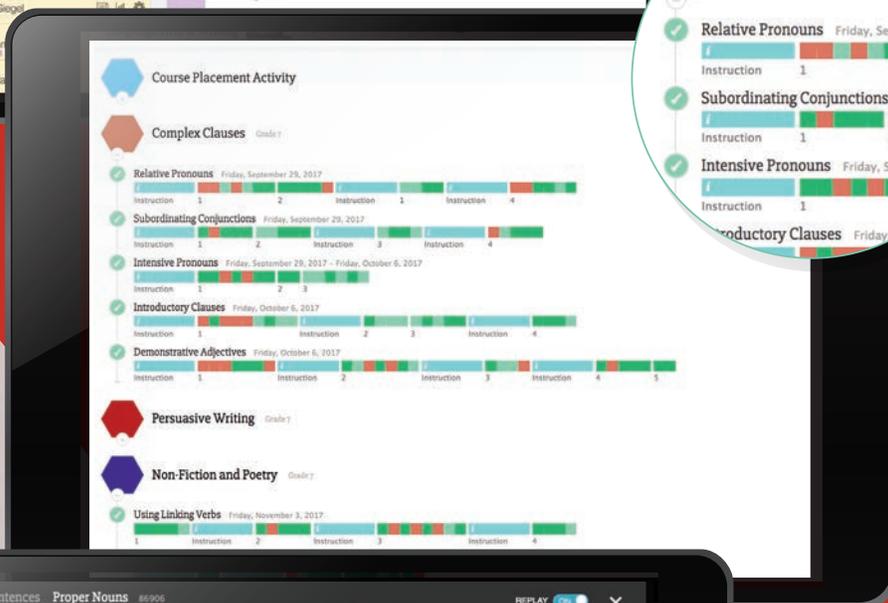


Dashboards Provide Actionable Data in Real Time



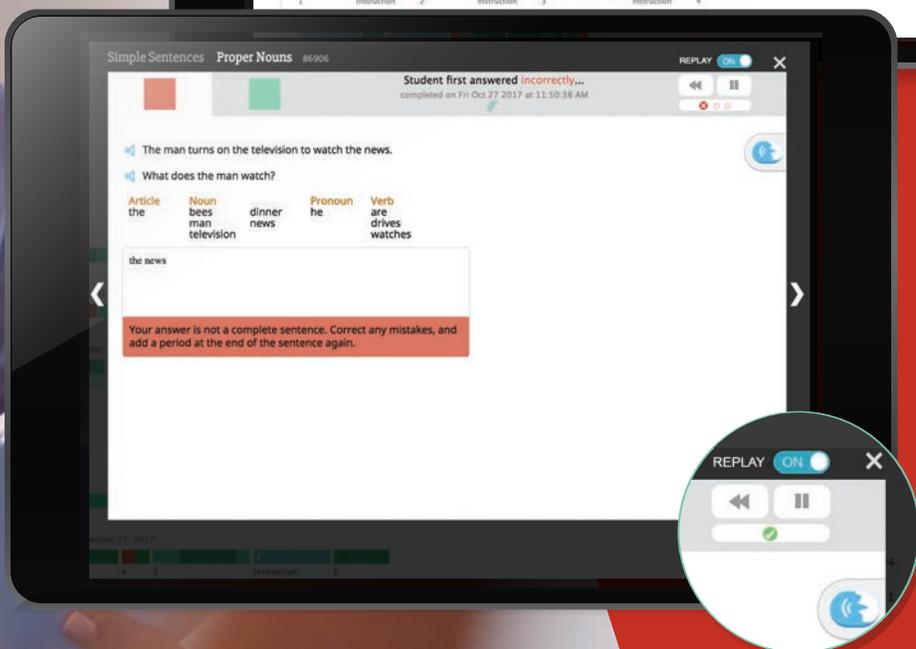
NEWS FEED

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.

Redbird Mathematics

Addresses standards for grades K–7

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 Through Personalized Instruction

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 book". Correct any mistakes, 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	Article	Noun	Preposition	Pronoun	Verb
down	the	Grace	down	he	goes
left		well	into	him	going
up		worker	up	them	

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 book". Correct any mistakes, and add a period at the end of the sentence again.

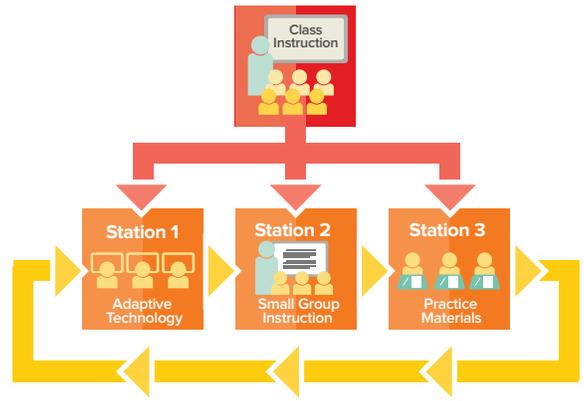
Easy to Implement and Adaptive to the Needs of Any Classroom

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.



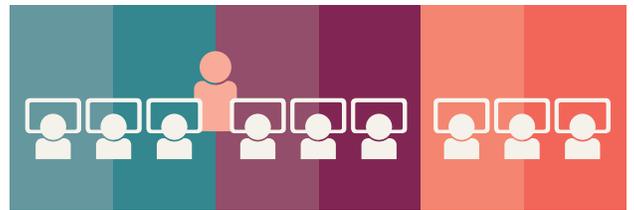
1 Station Rotation

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.



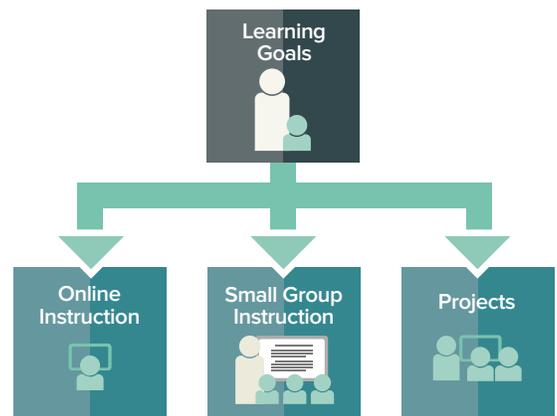
2 Individual Rotation

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.



Learn more at redbirdlearning.com.