MEET ROVER
the AI-powered, multi-path math homework tutor

Rover is now part of the XanEdu FlexEd portfolio of digital courseware platforms.

Unlike many other math software programs, Rover doesn't lock students into one, single solution path. Read on to see how Rover's sophisticated technology is an effective, student focused math tutoring solution.

Rover's sophisticated technology is based on the fact that different students will have different approaches to solving math problems. Rover's AI has been learning the many, varied paths students can take toward a solution for years. Students work their problems, and Rover meets them 'at the point of confusion' with gentle hints and guidance based on the path they are taking, not on a pre-programmed, rigid software path.

Rover - What's in a Name?

Exploration and Discovery

Rover evoques discovery, like the Mars Rover exploration robots, our mission is to help students as they learn and part of learning is exploration is part of the process.

Rover is friendly!

Because Rover is adaptable to students and not programmed to a single, rigid path, most find it to be much more user friendly than other software tutoring programs in the marketplace. We know that there is a lot of math anxiety out there, and Rover is designed to reduce that and help students build confidence while they learn.

Rover helps with math anxiety

The founders at Rover know that many students aren't confident in their math skills. They set out to build a better solution, focused on how students learn, not on rigid software solutions. Their focus was to use technology to enhance students' learning, and not to let technology get in the way. Read on to learn more about Rover's student-centric approach.

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How is Rover's AI Unique?

Rover is designed to mimic the real world, students need to figure out a path, and Rover is there to gently guide them, just like an in person tutor would, based on their unique approach.
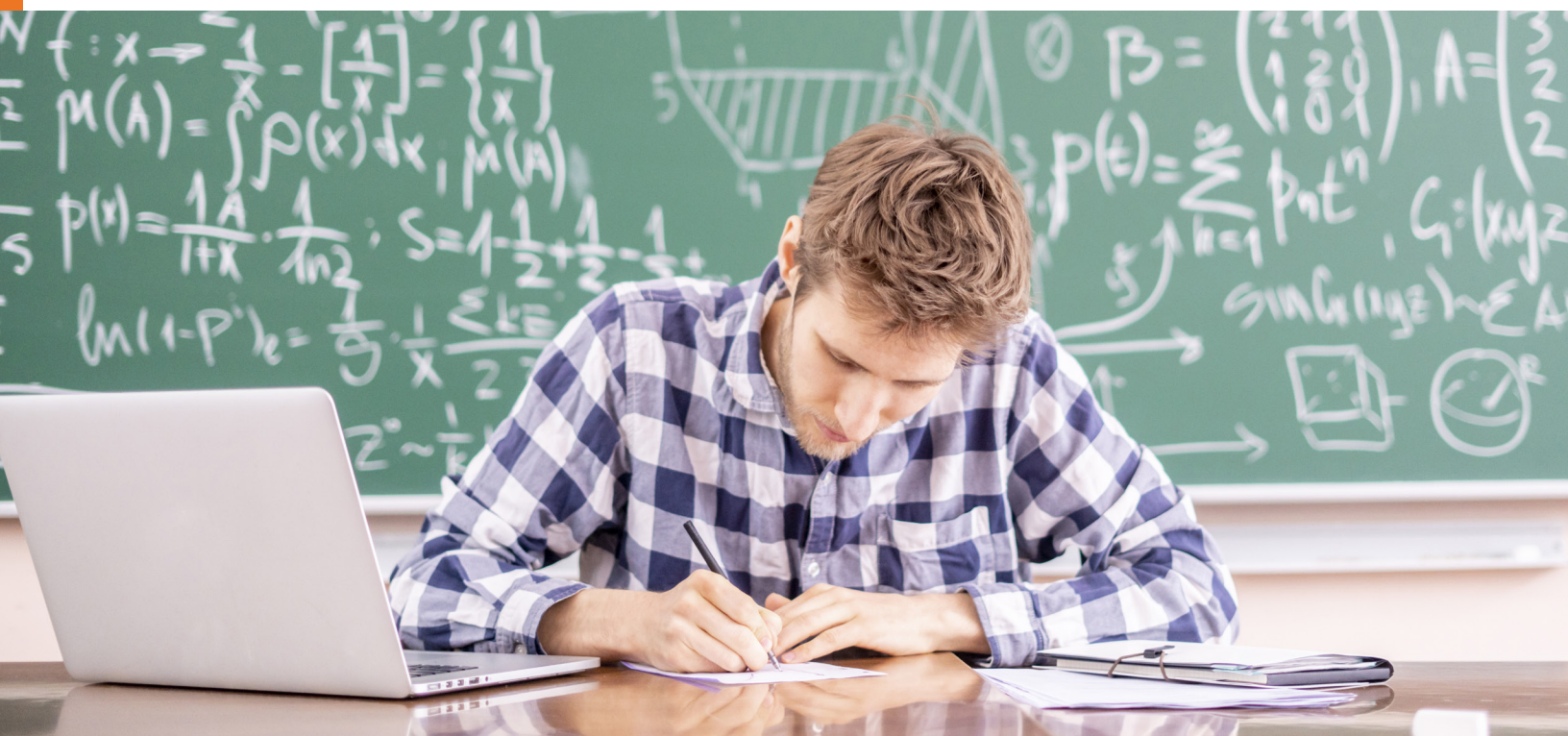
Rover's AI - more than just a computer program

The AI behind Rover, called Stepwise, is based on 3 patents. The development of Rover's AI started with teaching experts, not computer algorithms, to develop answers, hints and guidance. This means that the system is based on human interactions and continues to learn and improve from there. Rover's AI has been 'learning' for years and incorporates numerous approaches students may take toward a solution to continually enhance Rover's individualized guiding approach - no rigid, single path here!

Step Level Feedback + Unique paths

Students learn better with immediate feedback and Stepwise virtual tutor, the AI component of Rover, was designed with that in mind. Students work within the Rover platform, inputting their solution each step of the way. Rover's AI instantly analyzes each step to confirm if it is on any valid path toward the solution. When a student gets stuck or makes a mistake, Rover meets students 'at the instance of their confusion' and gives gentle guidance, hints and suggestions.

Rover doesn't force students down a prescribed, single solution path - each student is an individual and therefore, students approach problems via different solution paths; we designed Rover to work with that.

Students show their steps

An additional benefit of Rover is that, because students show their work in the platform, instructors can see what students are doing. This gives instructors visibility to ensure that students are actually doing their own work and it allows instructors to see where students may be struggling.

Can students skip or combine steps? Yes!

Because Rover doesn't lock them into a single solution or path, it is smart enough to recognize when students do this and keeps guiding them along a valid path to the solution. Even if they stray, Rover will give friendly feedback to get them back on track.

"Conceptual problems"

Rover mimics what a master instructor would teach and tackles conceptual word problems within the platform. Asking students to apply concepts they've practiced through drills deepens their true understanding and mastery of a concept and Rover is there every step of the way.

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Based on OpenStax' free OER textbooks / Rover's commitment to student affordability

In addition to Rover's sophisticated AI features, it was also built for affordability. Rover was incubated by OpenStax, a leader in free, OER (open educational resource) textbooks. It is integrated with OpenStax' popular mathematics textbooks and provides a powerful yet affordable math learning package for students.

Skill and Drill / Deep Question Banks: Because Rover is based on OpenStax' comprehensive resources, it taps into a great diversity of "skill and drill" problems to drive deeper understanding for each student through continued practice of concepts, with Rover's guidance. In addition to the deep bank of problems for drills, Rover also features conceptual questions to test comprehension and ability to apply learnings to word problems.

Graphing is also incorporated into Rover's tutoring, no need for a separate platform.

What about instructor-created questions and assessments? Rover recognizes that faculty want to insert their own problems, customize assessments or make tweaks to the platform. Rover has you covered. Instructors are in the drivers seat with the ability to edit problems and create unique assessments or use the platform right 'out of the box'.

Academic Integrity and Rover

Everyone is looking for a solution to this topic, and while Rover can't solve it alone, elements of the platform can help faculty address this challenge.

Dynamic questions

Rover's deep question bank enables dynamic questions so students don't get the same question within a concept. Additionally, faculty can edit questions and cross reference with questions to alter them from those that may be posted on external sites.

Customized settings

Faculty have the ability to customize settings such as time to complete and number of attempts to limit gaming of the system. This prevents students from using a 'click to the answer' approach.

Show work

Rover's 'show your work' focus allows faculty to monitor if students are going through the necessary steps to work problems. Because students must show work, they can't simply click through to the answer and faculty can monitor to determine if students appear to be engaged with the homework and assessments.

ROVER

AI-Powered = Rover Learns Multiple Correct Solutions

Rover is based on patented technology, many others claim AI-Powered, but Rover incorporates this in a way that accommodates every student's unique problem solving approach.

$35

Rover Puts Students First!

Affordable, flexible math software based on each student's unique approach. Rover, is only $35* and integrates with OpenStax' free textbooks providing an affordable, effective math support system.

Rover is part of XanEdu's FlexEd courseware, a range of flexible and effective digital courseware solutions offering premium features at affordable prices. Call us to learn more....

*Summer/Fall 2021 introductory pricing

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