Transforming Student Learning with Online Course Solutions

In 2018, Carnegie Math Pathways partnered with educators in our community and education technology experts to reimagine our Quantway and Statway solutions for the online space with the aim of creating an online learning experience that was just as effective as our in-class course solutions.

Building off the evidence-based features of our in-person solutions, and designed to avoid the pitfalls of traditional online courses, Carnegie Math Pathways online course solutions use technology tools and a thoughtful design model to create an engaging, intuitive, and supportive experience for students and instructors.

Our online solutions uniquely integrate an adaptive learning technology for individualized support with video conferencing to enable small group collaborative learning.

The solutions retain our focus on making mathematics relevant and relatable and addressing the social emotional factors that affect students’ learning and persistence. The platform infrastructure also includes built-in data tools that provide instructors with meaningful feedback to understand the student experience and to intervene in key areas of student learning and engagement.
Results

At the college-level, students enrolled online in Statway College and Quantway College have an average 71% success rate.*

Students taking Quantway Core online, a single course that replaces a sequence of developmental courses and prepares students for success in college level mathematics, have shown a 65% success rate*.

Additionally, based on survey data from students and instructors, the collaborative component of the online design is seen as a valuable and beneficial part of the learning experience and contributes to success in the course.

*Success rate based on a C-grade or higher.

Getting Started

We support educators in the online delivery of Carnegie Math Pathways course solutions through specialized instructional training and peer mentorship.

To learn more about the Carnegie Math Pathways course solutions and our educator supports, visit www.carnegiemathpathways.org.

About Carnegie Math Pathways

We believe that math should be a gateway, not a gatekeeper for college graduation. Together with a nationwide community of educators, we’re fundamentally reimagining math teaching and learning to create course solutions that meet the diverse needs of students and ensure that every student — regardless of their race, ethnicity, zip code, or income — can access high-quality math learning opportunities that prepare them for college and career success.