My Math Acade	engaging lear appropriate da	Problem Statement: Children enter formal schooling with different levels of mathematical skills and understand engaging learning experiences of PreK-2 math concepts, continually assess and adapt to their specific learning needs, and p appropriate data about their learning progress. My Math Academy is a tool that aims to address this problem. Below is its product address the problem.				
Inputs What we invest:	Participants	Activities	Outputs Products of activities:		Ou What chang	
what we invest.	who we reach.	What we do:	Products of activities.	Short-term	Inte	
Age of Learning provides:Standards-aligned student-facing, adaptive games covering preK-2 math conceptsPersonalized Mastery Learning System ™WCAG complianceDevelopmentally appropriate UIGame engagement features (e.g. review videos, daily meter, Shapey' dance party, Shapey cards)Embedded placement and continuous assessmentsTeacher videosEducator-facing teacher 	PreK-2 students	 Take embedded placement tests in MMA Use MMA to do adaptive, scaffolded and unscaffolded practice on math concepts** Monitor their own progress using daily meter Use game engagement features Address varying degrees of corrective feedback Take embedded continuous assessments ("boss-level" games) Reattempt learning games Participate in offline activities as led by parent/teacher 	Number of minutes active on platformNumber of learning games completedProportion of math concepts mastered at/below/above grade levelNumber of adaptive prompts addressed (i.e., corrective feedback)Number of uses per day, week, and monthNumber of consecutive days on platformNumber of reattempted learning gamesNumber of embedded continuous assessments completedProportion of offline activities marked as complete by parent/teacher	Have access to the game platform, curriculum, and offline activities within their Zone of Proximal Development Have increased engagement and motivation while learning PreK-2 math concepts in MMA Learn PreK-2 math concepts	Have incre of Prek	
Professional development (PD) resources Administrator dashboard Parent dashboard	Teachers	Participate in MMA PD Facilitate offline activities with embedded ELL and SEL supports Use real-time data dashboard to understand student progress and inform instructional next steps	Number and nature of MMA PD sessions completed Number of videos accessed Proportion of offline activities marked as complete Frequency of dashboard usage	Empowered with granular data to plan data-informed instruction	Develop support their inc	
Teacher- and parent-facing offline activities with embedded ELL and SEL supports Parent education videos	Administrators	Participate in MMA PD Use data dashboard to review usage and math performance at the district-, school-, classroom-, and student-level	Frequency of dashboard usage Number and nature of MMA PD sessions completed	Have access to usage and performance data for varying levels	Develop suppor instr informati	
SSO and LMS integration Schools provide: Internet-enabled devices	Parents	Use dashboard/portal to monitor student progress Use education videos and materials to engage students in offline activities	Frequency of dashboard usage Number of videos accessed Proportion of offline activities marked as complete	Informed about children's progress on PreK-2 math concepts Learn how to support children using offline activities and videos	Better und progress Better und math con are learn le	

*Shapey - game characters and manipulatives in My Math Academy

** Recommended dosage: Prior studies indicate that children who spend at least 45 min a week, for about 12-14 weeks, have consistent, significant gains compared to those that use it for a shorter time or less frequently.

Figure 1. My Math Academy logic model

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