imagine plus math

Imagine+ Math Logic Model

Imagine+ Math is a dynamic, adaptive learning solution designed for students in Grades K–8, offering personalized pathways that meet students where they are — whether they are performing below, at, or above grade level in mathematics.

The logic model below provides a conceptual model of how Imagine+ Math is intended to work, the resources required to make it effective, and the outcomes that teachers can expect students to demonstrate.

Program Inputs

Imagine+ Math

- Two distinct types of learning pathways to meet the diverse needs of students at varying levels of mathematic proficiency: the Math Mastery Pathway, and the Math Builder Pathway
  - Math Mastery Pathway is a structured grade-level practice option for students on or slightly below grade level (one grade level behind)
    - Aligns to grade-level standards
    - Emphasizes conceptual understanding, procedural fluency, and application of concepts
    - Includes embedded mastery checks
    - Offers opportunities to practice and apply mathematical concepts independently
    - Provides scaffolded support that gradually fades as students demonstrate proficiency
  - The Math Builder Pathway is tailored for students who are significantly below grade level (two or more grades behind) or for advanced students ready for enrichment (one or more grades ahead)
    - Prioritizes essential skills for growth toward grade-level proficiency
    - Builds new knowledge systematically from foundational concepts
    - Uses concrete, pictorial, and abstract models to support conceptual learning
    - Provides video-based instruction to support first encounters with new concepts
    - Provides interactive scaffolding that breaks down complex concepts into manageable steps
    - Delivers adaptive pacing to ensure mastery before advancing

- Assignment Builder allows educators to create and assign customized practice or instruction
- Various assessment options to inform personalization and measure proficiency and growth, including Imagine+ Assessments and third-party integration options (NWEA MAP and Renaissance Star)
- Adaptive learning systems that continuously adjust based on student performance to provide personalized learning experiences
- Live, on-demand 1:1 tutoring support from qualified tutors for students in Grades 3 and above
- Comprehensive data and reporting that provides actionable insights on student progress, achievement, and growth
- English and Spanish printable resources including worksheets, journaling pages, guided notes, and STEM-Focused Application Tasks that support instruction

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Imagine Learning
- Initial onboarding and implementation support
- Professional development and coaching for teachers and administrators
- Flexible implementation models for content delivery
- Customer support to troubleshoot immediate issues

District
- Networked computers with proper memory, media appliances, and headsets
- Adequate classroom or lab space
- Online access to Imagine+ Math and appropriate bandwidth to support use
- School implementation plan

Classroom Activities

Student Activities
- Students in Grades K–2 use Imagine+ Math for a minimum of 45 minutes per week
- Students in Grades 3 and above use Imagine+ Math for a minimum of 60 minutes per week
- Students pass 1–2 lessons per week for a goal of 30 total lessons passed in a given school year
- Students complete offline worksheets if assigned by teacher
- Students in Grades 3 and above access and participate in on-demand tutoring sessions as needed

Teacher Activities
- Following students' assessments, review recommendations for moving students to different pathways and accept automated platform recommendations as appropriate
- Monitor students' progress and performance in Imagine+ Math, and create and assign custom assignments where appropriate
- Create and assign custom assignments in Assignment Builder to enhance personalization as needed
- Assign offline worksheets for one-on-one and small group intervention to support struggling students

Outputs

Student Outputs
- Number of Math Builder and Mastery lessons students complete and pass per week
- Number of Assignment Builder assignments students complete and pass per week
- Total hours students spend in Imagine+ Math per week
- Total number of on-demand tutoring sessions students participate in
- Consistent student progress through increasingly difficult instructional content as reported by percentage of pathway completion
- Engagement with motivational and competitive features as measured by number of stars students earn and levels of avatars/backgrounds unlocked

Teacher Outputs
- Educators' preparedness to implement Imagine+ Math
- Educators' understanding of students' strengths and areas of growth as measured by number and consistency of visits to Imagine+ Math reports, assignment of custom assignments via Assignment Builder, reassignment of failed lessons in students' pathways, and assignment of offline worksheets
- Educators' adjustment of students' learning pathways as needed in response to student performance and progress

Outcomes

Short-term

- Students exhibit positive and persistent engagement in Imagine+ Math, as measured by active time and lessons completed
- Students demonstrate increased mastery of math content, as measured by progress through learning pathways
- Students demonstrate increased mathematical proficiency, as shown by shifts from Builder to Mastery pathways (for students initally assessed below grade level) or shifts from Mastery to Builder pathways (for students initially assessed at grade level), and by performance on standardized benchmark assessments

Long-term

- Students improve mathematics achievement on state or nationally normed assessments
- Students demonstrate improved performance in future math or math-related coursework
- Students have increased self-efficacy and confidence in mathematics
- Students have increased interest in STEM-related education and career paths

imagine learning
empower potential.

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