Impact Genome Scorecard®

The Ingenuity Project:

Middle School Advanced Math Program (September 2021 - June 2022)

IMPACT GENOME® VERIFIED

Program Overview

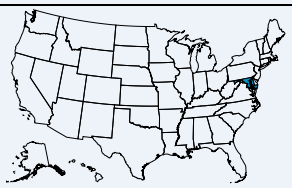
Genome	K-12 Student Achievement
Program Type	Direct Service
Beneficiary Type	Individuals
Budget	$1,220,159 USD

Description

The Ingenuity Project middle school math program takes place during the school day in place of the standard curriculum, with ongoing enrichment and support. Accepted students transfer into one of four Baltimore City public schools (Hamilton, James McHenry, Mount Royal, and Roland Park) to participate in the program for the duration of grades 6-8. Ingenuity math begins in 6th grade with Singapore Math, pre-Algebra in 7th grade, and High School Algebra I in 8th grade.

Program Logistics

Location:



United States (Maryland)

Beneficiaries

Ingenuity's middle school program (grade 6-8) serves Baltimore City Public School students. The middle school program is located within four elementary/middle schools of the district.

Age	
Early Adolescents (age 10-14 or middle grades)	100%
Sex	
Male	53%
Female	46%
Race	
Black or African American	54%
White or Caucasian	24%
Bi/Multiracial	10%
Additional Characteristics	
First-Generation College Students	21%
Low-Income or Economically Disadvantaged	52%

Impact Genome Insight (March 2023)

The Ingenuity Project is a three-year, in-school program designed to provide rigorous coursework in math for middle-school students. Students apply to participate in the program and are accepted based on grades and proficiency tests. The program uses baseline and end of school-year standardized testing, which a sample of nearly 96% completed, to determine the number of students who achieved the outcome. Of note is that 68% of students demonstrated 'growth above typical' on the assessment, and 37% demonstrated 'stretch growth', above the average of 25-35% of students achieving that distinction through the nationally-recognized assessment tool, i-Ready math.

Outcomes

Primary Outcome: Z06.03.03: Improved Academic Performance

This outcome is satisfied if an individual has demonstrated at least one of the following within the past year:

- Improvement or growth in scores or level of proficiency on standards-based or norm-referenced assessments (e.g., tests, quizzes, rubrics, standardized tests, etc.)
- Higher course grades or overall GPA
- New or increased enrollment in rigorous coursework (e.g., taking a new AP, IB, or Honors course, dual enrollment)

Secondary Outcome(s): Attendance and Persistence in School, STEM Proficiency

Verified Impact

90%	521	467	$2,612
Efficacy Rate	**Program Reach**	**Actual Outcomes**	**Cost per Outcome**
% of beneficiaries achieving a positive outcome	# of beneficiaries served	Total # of beneficiaries achieving a positive outcome	Budget / Actual Outcomes

Supporting Evidence

Impact Genome Assessment:

- Very Extensive
- Extensive
- Moderate
- Limited

4/5 Rigor — Quality of data collection method

5/5 Relevance — Fit of measure(s) to the outcome

5/5 Validity — Quality of instruments used

Overall assessment, based on rigor, relevance, and validity of evidence provided

Nonprofit's description of their evidence:

89.6% of (447 of 499) middle school students in Ingenuity whom had both beginning and end of year i-Ready Math data available demonstrated an increase in their scaled score in 2021. This implies an additional 20 of 22 students for which data were not available would have demonstrated growth also.

Intervention Component Analysis

Most Emphasized Components (e.g., Activities) in this Program

- A06.03.05.05 Provide Access to Rigorous Coursework
- A06.03.03.01 Utilize Strategies to Challenge Youth Academically
- A06.03.03.02 Incorporate Academic Problem-Solving Activities
- A06.03.02.02 Incorporate Collaborative/Cooperative Learning
- A06.03.02.05 Incorporate Social Problem-Solving Activities

Program Intensity

Contact Hours	Duration	Frequency	Dosage
180 hrs	> 3 yrs	Once or more per day	1 hr - 3 hrs

Our math program is taught during the school day 180 days. The daily total time ranges across our four schools, but we used 1 hour per day as the basis.

Sector Benchmark Data

Program Name	Efficacy Rate	Cost Per Outcome
Middle School Advanced Math Program	90%	$2,612
Impact Genome Benchmark* for this Outcome	70% - 79%	$2,124 - $3,552

* The average Efficacy Rate and Cost Per Outcome of all programs in the Impact Genome database that target this same outcome as of March 2023.