



MATHEMATICAL STAIRCASE, INC.

Mathematical Staircase, Inc. 2025 Annual Summary Report

In 2025, the Mathematical Staircase Inc. Board met four times electronically (over Google Meet) and took three actions by written consent. We adopted an updated Vision Statement, reviewed and increased our employee and contractor compensation, and redomesticated the corporation from Massachusetts to Pennsylvania. We renewed Mathematical Association of America departmental membership.

Mathematical Staircase Inc. was awarded \$5,000 for MathILy financial aid and \$5,000 for MathILy-Er financial aid from the American Mathematical Society Epsilon Fund in March 2025. The MathILy and MathILy-Er Directors plan to each submit a grant proposal to the American Mathematical Society Epsilon Fund for the 2026 granting cycle; the deadline has moved to January.

We were offered continued financial support for 2026 {MathILy, MathILy-Er} financial aid and mathematical visitors from Jane Street, in the amount of \$29,700.

NSF grant DMS-2149647 received a no-cost extension and is winding down, and an REU renewal proposal is under consideration at the NSF. Jane Street supplemented MathILy-EST NSF funding with \$17,500 so more students could be supported.

Summer Mathematics Programs Consortium and 2025 Conference: {MathILy, MathILy-Er} are founding members of the Summer Mathematics Programs Consortium and sarah-marie is on the Consortium's Steering Committee. Madison and sarah-marie attended the third Consortium conference in November 2025. The Consortium has just hired an Executive Director and within the year will become its own organization, at which point sarah-marie will be on the Board.

Mathematical Staircase, Inc. Board of Directors

dr. sarah-marie belcastro, President and Chair of the Board

Dr. Hannah Alpert, Clerk and Secretary of the Board

Joan M. Belcastro, Treasurer

Dr. Emily Peters

Dr. Joshua Greene

Biographies of directors are posted on the Mathematical Staircase, Inc. website.

Mathematical Staircase, Inc. Mission Statement

Our mission is to educate mathematically talented secondary and tertiary students, particularly those who lack sufficient educational, financial, or social resources in their homes or schools to realize their potential. We believe in training program participants in mathematical thinking and writing, in mentoring program participants in their ongoing educational and career paths, and in training program instructors in discovery- and inquiry-based pedagogy.

Status of Mathematical Staircase, Inc. Projects

Currently Mathematical Staircase, Inc. has three projects:

- (1) MathILy, short for "serious Mathematics Infused with Levity," is an intensive residential summer program for mathematically gifted high-school students. MathILy ran in person at Bryn Mawr College with 46 students in 2025, with continued infection-control precautions because of the ongoing global pandemic. A 5-page report on MathILy 2025 is available on the Mathematical Staircase, Inc. website. ([link](#)) In Fall 2025 we ran a FaBraC (Fall Branch Class) with 11 participants who were 10 MathILy alumni from 2021, 2024, and 2025, and one MathILy-Er alumn from 2025. It was again successful and fun-filled.
- (2) MathILy-Er, short for "MathILy, Earlier," is similar to MathILy, but is adapted for students who are slightly earlier in their chronology or mathematical development. MathILy-Er ran in person at Haverford College and Eastern University with 32 students in 2025, with continued infection-control precautions because of the ongoing global pandemic. A 5-page report on MathILy-Er 2025 is available on the Mathematical Staircase, Inc. website. ([link](#))
- (3) MathILy-EST, short for "MathILy Early Scholarly Training," is a Research Experience for Undergraduates focused on beginning college students. MathILy-EST ran in person at Bryn Mawr College with 4 students in 2025, with continued infection-control precautions because of the ongoing global pandemic. A 5-page report on MathILy-EST 2025 is available on the Mathematical Staircase, Inc. website. ([link](#))

Financial Summary for 2025

Income:

Donations \$21,106
Restricted donations \$17,500 (does not include support for 2025 received in 2024)
Grants–Restricted \$71,360
MathILy student fees \$225,067
MathILy-Er student fees \$161,604
FaBraC student fees \$8,396
Interest income \$14,298

Expenses:

Administrative Expenses \$3,129
Insurance (includes {MathILy, MathILy-Er, MathILy-EST}) \$7,542
MathILy (non-wage) Expenses \$171,317
MathILy-Er (non-wage) Expenses \$116,134
MathILy-EST (non-wage) Expenses \$27,642
FaBraC (non-wage) Expenses \$71
Wage-related Expenses (staff wages, student stipends, and payroll expenses) \$178,050

Note: The above figures were computed on a cash basis, not an accrual basis.

Income – Expenses = \$519,331 – \$503,795 = \$15,536.

This summary report is prepared as per the Mathematical Staircase Inc. Reporting and Review Policy and posted on the Mathematical Staircase, Inc. website.