



MATHEMATICAL STAIRCASE, INC.

Mathematical Staircase, Inc. 2018 Annual Summary Report

In 2018, the Mathematical Staircase Inc. Board met four times electronically (over Google Hangouts) and took three actions by written consent. Additionally, we issued a diversity report and revised our payscale to reflect cost-of-living increases.

Mathematical Staircase, Inc. completed registration as a business in two additional states, and engaged with a new accountant for our annual financial review. We conducted an informal site visit to MathILy-Er, discussed the observations made there, and made plans for administrative and instructional enhancements to the program.

We were awarded \$6,000 for MathILy financial aid and \$5,000 for MathILy-Er financial aid from the American Mathematical Society Epsilon Fund in February 2018. We submitted a corporate funding proposal, a foundation funding proposal, and a letter of inquiry, all of which were rejected; we also submitted an NSF proposal this year, the results of which are pending.

On behalf of our first project, MathILy, we authorized a contract with Bryn Mawr College for summer 2019, and the MathILy Director submitted a grant proposal to the American Mathematical Society Epsilon Fund in December 2018.

On behalf of our second project, MathILy-Er, the MathILy-Er Director submitted a grant proposal to the American Mathematical Society Epsilon Fund in December 2018.

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.

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.

Status of Mathematical Staircase, Inc. Projects

Currently Mathematical Staircase, Inc. has two projects:

- (1) MathILy, short for "serious Mathematics Infused with Levity," is an intensive residential summer program for mathematically gifted high-school students. MathILy ran successfully with 44 students at Bryn Mawr College in 2018, and will run again at Bryn Mawr in 2019. A 5-page report on MathILy 2018 is available on the Mathematical Staircase, Inc. website. ([link](#))
- (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 successfully with 29 students at Bowdoin College in 2018, and we are still seeking a site for 2019. A 5-page report on MathILy-Er 2018 is available on the Mathematical Staircase, Inc. website. ([link](#))

Financial Summary for 2018

Income:

Donations \$6204.15
Grants–Restricted ({MathILy, MathILy-Er} Financial Aid) \$11,000
MathILy student fees \$190,839
MathILy-Er student fees \$113,640.40

Expenses:

Administrative Expenses \$1658.76
Insurance (includes {MathILy, MathILy-Er}) \$3147
MathILy (non-wage) Expenses \$145,520.83
MathILy-Er (non-wage) Expenses \$63,873.83
Wage-related Expenses (staff wages and payroll expenses) \$97,985.18

Income – Expenses = \$321,683.5 – \$312,175.11 = \$9508.39.

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