



# MATHEMATICAL STAIRCASE, INC.

## Mathematical Staircase, Inc. 2017 Annual Summary Report

In 2017, the Mathematical Staircase Inc. Board met four times electronically (over Google Hangouts) and took 5 actions by written consent. Additionally, we updated our Reporting and Review policy and revised our payscale to reflect cost-of-living increases.

As part of being an employer, Mathematical Staircase, Inc. completed registration as a business in multiple states, and used a payroll company that also dealt with worker's compensation insurance. Over the year we became increasingly unhappy with the services (or rather, lack thereof) provided by the payroll company, and as a result of extensive research by the Minion, decided to execute payroll directly in the future.

We were awarded \$7,000 for MathILy financial aid and \$9,000 for MathILy-Er financial aid from the American Mathematical Society Epsilon Fund in February 2017. We submitted two corporate funding proposals and 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 2018, and the MathILy Director submitted a grant proposal to the American Mathematical Society Epsilon Fund in December 2017.

On behalf of our second project, MathILy-Er, we authorized a contract with Bowdoin College for summer 2018, and the MathILy-Er Director submitted a grant proposal to the American Mathematical Society Epsilon Fund in December 2017.

### 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 37 students at Bryn Mawr College in 2017, and will run again at Bryn Mawr in 2018. A 5-page report on MathILy 2017 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 26 students at Willamette University in 2017, and will run at Bowdoin College in 2018. A 5-page report on MathILy-Er 2017 is available on the Mathematical Staircase, Inc. website. ([link](#))

## Financial Summary for 2017

Income:

Donations \$5735.42  
Grants–Restricted ({MathILy, MathILy-Er} Financial Aid) \$16,000  
MathILy student fees \$157,427.02  
MathILy-Er student fees \$97,117.11

Expenses:

Administrative Expenses \$4535.46  
Insurance (includes {MathILy, MathILy-Er}) \$3147  
MathILy (non-wage) Expenses \$98,696.92  
MathILy-Er (non-wage) Expenses \$82,669.07  
Wage-related Expenses (staff wages and payroll expenses) \$88,569.60

Income – Expenses = \$276,279.55 – \$277,618.05 = – \$1338.5.

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