



# MATHEMATICAL STAIRCASE, INC.

## Mathematical Staircase, Inc. 2016 Annual Summary Report

In 2016, the Mathematical Staircase Inc. Board met four times electronically (over Google+ Hangouts) and took four actions by written consent. Additionally, we created and approved a Vision Statement, adopted {Travel/Expense Reimbursement, Gift Acceptance, Loan} policies, and updated our Reporting and Review policy.

A committee of the Board deliberated on compensation issues, and recommended a revision of our payscale and that Mathematical Staircase, Inc. become an employer for the purposes of employing the {MathILy, MathILy-Er} Directors and Minion. The Board approved both recommendations, and as a result the Minion successfully engaged in the intricate and arduous process of registering as a business in multiple states, engaging a payroll company, and arranging for worker's compensation insurance (where each task should be straightforward but involves dealing with unresponsive agencies at every turn).

We were awarded \$5,000 for MathILy financial aid and \$8,500 for MathILy-Er financial aid from the American Mathematical Society Epsilon Fund in February 2016. We submitted two corporate funding proposals this year, the results of which are pending. We also submitted an NSF proposal which was declined. We have received three years of {MathILy, MathILy-Er} travel support via a CAREER grant.

On behalf of our first project, MathILy, we authorized a contract with Bryn Mawr College for summer 2017, and the MathILy Director submitted a grant proposal to the American Mathematical Society Epsilon Fund in December 2016.

On behalf of our second project, MathILy-Er, we authorized a contract with Willamette University for summer 2017, and the MathILy-Er Director submitted a grant proposal to the American Mathematical Society Epsilon Fund in December 2016.

### 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 36 students at Bryn Mawr College in 2016, and will run again at Bryn Mawr in 2017. A 5-page report on MathILy 2016 is available on the Mathematical Staircase, Inc. website.
- (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 17 students at Willamette University in 2016, and will run again at Willamette in 2017. A 5-page report on MathILy-Er 2016 is available on the Mathematical Staircase, Inc. website.

## Financial Summary for 2016

Income:

Donations \$6301.19  
Restricted Donations \$1500  
Grants–Restricted ({MathILy, MathILy-Er} Financial Aid) \$13,500  
MathILy student fees \$142,437.48  
MathILy-Er student fees \$66,650.79

Expenses:

Administrative Expenses \$813.06  
Insurance (includes {MathILy, MathILy-Er}) \$3183.50  
MathILy Expenses \$132,089.45  
MathILy-Er Expenses \$70,774.32  
Minion Wages (post programs) \$1180

Income – Expenses = \$230,389.46 – \$208,040.33 = \$22,349.13.

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