

# **Mu Alpha Theta**

## *High School Scholarships*

### 2018-2019

**Mu Alpha Theta Scholarships** are for exceptional, graduating high school seniors who are members in good standing of an active Mu Alpha Theta chapter. Recipients will have advanced the mission of Mu Alpha Theta by excelling as mathematics students, providing exemplary leadership and loyalty to their Mu Alpha Theta chapters, participating enthusiastically in local projects, and providing service in the area of mathematics. A number of these \$4,000 scholarships will be available each year. Scholarships will be sent to the recipient's college to be used for educational expenses within 18 months of award notification. In order to receive these funds, recipients must be enrolled full-time at an accredited college or university.

**The Kalin Award** is named in honor of Dr. Robert Kalin, a former president of Mu Alpha Theta. A Kalin Award nominee must be a student who is representative of all student members who excel in mathematics and who has provided notable service to Mu Alpha Theta. Nominees must be graduating high school seniors who will begin college in the year the award is made. The current award amount is \$4,000, which may be taken as a cash prize or as a scholarship. The winner's school will receive a \$1,000 chapter grant. Top candidates for the award must attend our national convention with their chapter and will be interviewed in person by our Governing Council. Interviewed finalists who do not win the award will each receive a \$500 cash prize. There is a separate application for this award.

**The Andree Award**, named in honor of Mu Alpha Theta founders Richard and Josephine Andree, is awarded to a student who is interested in becoming a mathematics teacher. Mu Alpha Theta will present two \$2,500 Andree Awards, one to a graduating high school member and one to a current or former member now in college. The award may be taken as a scholarship or as a cash prize. There is a separate application for this award.

**The Governors' Leadership and Service Award**, established in 2015 by the governors of Mu Alpha Theta, recognizes a graduating member for his/her outstanding leadership skills and exceptional service to his/her chapter. In 2017, the winner will receive \$4,000 as a scholarship or cash prize. Each chapter may submit only one nomination per year for this award. Nominees do not need to attend our national convention to win this award. There is a separate application for this award.

**The Mary Rhein Memorial Scholarship** honors Mary Rhein, a mathematics teacher and chapter sponsor from Ohio, who was active in the national Mu Alpha Theta organization for 22 years. Mary believed that Mu Alpha Theta gives students who excel in mathematics an identity and a place to belong. She always encouraged her members to act as ambassadors for Mu Alpha Theta, and she viewed competition as a dynamic way for students to use math concepts learned in the classroom. The Mary Rhein Memorial Scholarship was initially funded by a bequest from the estate of Mary Rhein, after her death in 2005 at the age of 48. The \$5,000 scholarship is now supported by the Mu Alpha Theta Educational Foundation.

**The Sally Scudder Memorial Scholarship** honors Sallie Scudder, who was born to do two things: teach math and coach softball. She was passionate about making a difference in the lives of her students and had a positive influence on everyone around her. She taught calculus and softball at Berkeley Preparatory School from 1996 to 2002. She then returned to her alma mater, H. B. Plant High School, to teach until her death at the age of 36. This \$5,000 scholarship is supported by donations from the Berkeley Math Club of 2000 – 2001.

**The Paul R. Goodey Scholarship** was established to honor our former secretary-treasurer who served from 2001-2014. Dr. Goodey, a University of Oklahoma George Lynn Cross mathematics professor, encourages students to see the beauty and power of mathematics through research. The Paul R. Goodey Scholarship recipient is a student who has participated in a mathematics-related research project while a member of Mu Alpha Theta. This \$5,000 scholarship is supported by the Mu Alpha Theta Educational Foundation.

**The Kay Weiss Scholarship** was established to honor Mu Alpha Theta's former executive director from 2003 to her retirement in 2016. Kay worked tirelessly to bring tremendous growth to our organization, and she had a special love for physics and astronomy. The Kay Weiss Scholarship recipient is a student who has demonstrated a commitment to promoting women's participation in the STEM fields. This \$5,000 scholarship is supported by the Mu Alpha Theta Educational Foundation.

**Mu Alpha Theta**  
*High School Scholarship Application*  
2018-2019

1. The Mu Alpha Theta Scholarship for high school students is awarded to exceptional, graduating high school seniors who are members in good standing of an active Mu Alpha Theta chapter. The recipients will have advanced the mission of Mu Alpha Theta by excelling in mathematics, providing exemplary leadership and loyalty to their Mu Alpha Theta chapters, and providing service in the field of mathematics to local projects.
2. Only graduating seniors are eligible to apply for this scholarship.
3. All scholarships will be sent to the recipient's college/university to be used for tuition, fees, books, or other educational expenses. Scholarships will expire 18 months from the date winners are notified.
4. In order to receive these funds, the recipient must be enrolled full-time at an accredited college or university.
5. Each chapter may submit **no more than two** nominations for Mu Alpha Theta scholarships per year. The chapter's sponsor will determine how nominees are selected according to the above criteria.
6. Mu Alpha Theta Scholarship recipients' names will be posted to our website no later than April 1, 2019.

**HOW TO APPLY**

**Incomplete applications will not be accepted. All materials must be postmarked by February 1, 2019. If sent separately, transcripts also must be postmarked by February 1, 2019, to be accepted.**

**Submit the following in a single envelope:**

- COMPLETED APPLICATION FORM**
- OFFICIAL, SEALED HIGH SCHOOL TRANSCRIPT (may be sent separately from the school)**
- STANDARDIZED TEST SCORES (SAT, ACT, or others, if available)**
- CONTEST RESULTS (see application question #8b)**
- MU ALPHA THETA SPONSOR LETTER OF RECOMMENDATION:** If the sponsor is related to the applicant, a different math teacher must write the recommendation letter. Letter must be signed and in a sealed envelope with the teacher's signature across the back flap.
- MU ALPHA THETA MEMBER LETTER OF RECOMMENDATION:** Letter from another Mu Alpha Theta member in your chapter. Letter must be signed and in a sealed envelope with the writer's signature across the back flap.

Mail envelope to:

**Mu Alpha Theta**  
**Scholarship Committee**  
**c/o University of Oklahoma**  
**3200 Marshall Ave, Suite 190**  
**Norman, OK 73019**

**Mu Alpha Theta**  
*High School Scholarship*  
SPONSOR LETTER OF RECOMMENDATION

(Applicant: Give this page to your recommending sponsor.)

Sponsor: In your recommendation letter, please discuss this student's mathematical ability, participation in chapter activities and math competitions, leadership roles and responsibilities, and other contributions to the chapter and community. Please cite specific examples. **If the sponsor is related to the applicant, a different math teacher must write the recommendation letter.**

Return your **signed recommendation letter** to the applicant in a **signed, sealed envelope**. You must include the applicant's first and last name in your recommendation letter. Attach this page to your typed recommendation letter.

In approximately what % of club activities has this applicant attended? \_\_\_\_\_  
In approximately what % of competitions available has this applicant participated? \_\_\_\_\_

**Mu Alpha Theta**  
*High School Scholarship*  
MEMBER LETTER OF RECOMMENDATION

(Applicant: Give this page to your recommending member.)

Member: You must be a member in good standing or a graduated member of the school's Mu Alpha Theta chapter who knows first-hand of this student's service and leadership in your chapter. Please cite specific examples. **You may not submit a recommendation letter for this student if you are related to him/her.**

Return your **signed recommendation letter** to the applicant in a **signed, sealed envelope**. You must include the applicant's first and last name in your recommendation letter.



2. List the Mu Alpha Theta offices (chapter, state, and national) you have held by school year and your responsibilities.

3. List the Mu Alpha Theta projects you have led, your responsibilities, and project outcomes

4. List your best score:

ACT Math: \_\_\_\_\_

AMC 10: \_\_\_\_\_

SAT Math: \_\_\_\_\_

AMC 12: \_\_\_\_\_

SAT II Math: \_\_\_\_\_

AIME: \_\_\_\_\_

USAMO: \_\_\_\_\_

5. GPA (unweighted): \_\_\_\_\_

GPA (weighted): \_\_\_\_\_

Class Rank (if reported): \_\_\_\_\_ out of \_\_\_\_\_

6. List any math courses taken beyond the pre-calculus level and indicate if the courses were AP, IB, or college-level.

7. List any science, computer science, or engineering courses taken and indicate if the courses were AP, IB, or college-level.

8a. Indicate which of the following math competitions you've participated in with an "X" in the appropriate year column. List other state, regional, or local **math** competitions and programs in the blank boxes in the left column. Attach additional sheets if necessary.

Competition	9th	10th	11th	12th
MA $\Theta$ national convention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rocket City Math League	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AMC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
USAMO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moody's Mega Math	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harvard/MIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ARML	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mandelbrot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8b. On a separate sheet, list your corresponding math competition results by high school year. **Your sponsor must verify the accuracy of this list and sign it.** Do not include any results except your own. Please type your response.

9. Describe any math or science research you've conducted that was not a high school classroom assignment, if any.

10. List any STEM accomplishments, such as awards or other achievements with a brief description of work done, not including your research from question #9, if any.

11. What role will mathematics play in your course of study in college and in your future career? How has your participation in Mu Alpha Theta influenced your plans? (Limit of 250 words.)

12. Why should the committee select you as a Mu Alpha Theta scholarship recipient? (Limit of 500 words.)

13. **Optional: Answer if you wish to be considered for the \$5,000 Kay Weiss Scholarship:** How do you plan to advance women's participation in the STEM fields? In what ways have you worked to promote or support women's participation in the STEM fields? Be specific and cite your exact role in projects and their outcomes.

14. **Optional: Answer if you wish to be considered for the \$5,000 Sallie Scudder Memorial Scholarship:** What other extracurricular and volunteer activities or clubs have you participated in outside of Mu Alpha Theta?