

**Summer Mathematics Institute**  
July 5<sup>th</sup> – 25<sup>th</sup>, 2015  
Sponsored by the Texas Academy of Mathematics and Science  
University of North Texas

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*To School Administrators: (Please feel free to make copies of the information included in this packet and distribute to interested students and parents.)*

The Texas Academy of Mathematics and Science is offering a summer program for middle and high school students who are excited about learning and have excelled in mathematics. The Summer Mathematics Institute (SMI) allows talented students to advance their knowledge of mathematical skills in a self-paced educational environment. Participants enroll in a single class during the three-week program and have the opportunity to master one year of high-school mathematics. Participants may enroll in Algebra I, Algebra II, Geometry, or Precalculus. Students are pre-assessed at the beginning of the program to ensure that the student focuses on areas that have not been previously mastered. This environment facilitates friendships among bright young men and women who are equally passionate about learning. The dynamic faculty/staff are carefully selected to ensure that they possess the in-depth mathematical knowledge required to teach students of such caliber.

Students take a comprehensive final examination at the end of their class. This evaluation is scored and a final grade is given. A letter is sent to the parents of each student reporting the grades, evaluation, and our recommendations concerning the student's placement for the next fall. Each student's school system must decide whether to accept our evaluation of course mastery, whether to place the student in the class we recommend in the fall, and whether to grant high-school credit for courses completed in the summer. Texas Senate Bill 1 (1995) and, consequently, the Texas Education Agency authorize and encourage schools to award credit for content mastered by talented students prior to taking the course in school. This would include awarding credit for mastery of content from courses taken in accelerated summer programs for gifted and talented students such as SMI.

To accomplish the academic goals, classes meet daily Monday through Friday and on Saturday mornings. Students attend evening study/help sessions. We provide individualized evaluation and instruction that occur in individual, small, and large group arrangements. Class size is 12-15 students. In addition to the certified mathematics teacher, each class is assigned one teaching assistant (TA). TAs are outstanding students from the Texas Academy of Mathematics and Science (TAMS). We also provide our own specifically trained residence-hall counselors for non-academic supervision. The TAs also live in the hall with the students and provide further support. Male and female participants live on different wings or floors of a University of North Texas residence hall. Participants eat in a UNT dining room where a wide variety of foods are offered at each meal. After classes and on the weekends, participants engage in a variety of recreational activities. These include: swimming, team and individual sports, SMI sponsored excursions to the Dallas/Ft. Worth metroplex, movies, games, pizza parties, dances, a talent show, time alone, and much more!

**Eligibility Requirements:** Rising 7<sup>th</sup> -11<sup>th</sup> Grade Students; Must be at least 12 years old

**Cost:** \$2,300 (includes tuition, books, room and board, and recreational activities – if student is accepted a \$600 deposit will be due by May 1<sup>ST</sup>)

**Admission & Application Requirements:** Completion of prerequisite courses for requested class, SMI application form, school transcript or most recent grade report, teacher recommendation form, and evidence of mathematics ability such as standardized test scores

We believe it is important for students who master course content at SMI not to repeat the same course in the fall. Parents should talk to their children's teachers and school administrators regarding the following information prior to application.

- Child's readiness for an accelerated program
- Child's ability to work/live independently away from parental guidance
- School's willingness to offer high-school credit for students who master Algebra I, Algebra II, Geometry, or Precalculus
- School's willingness to place the child in the next higher course in the course sequence should the student successfully complete our program.

All requested information must be sent in ONE ENVELOPE and must be received in our office by 5:00 pm by April 17, 2015. Information should be mailed to the following address:

**Summer Mathematics Institute**  
Texas Academy of Mathematics and Science  
1155 Union Circle, #305309  
Denton, TX 76203-5017

Please contact Wendy Boyd-Brown at [wendy.boyd-brown@unt.edu](mailto:wendy.boyd-brown@unt.edu) or Samuel Earls at [samuel.earls@unt.edu](mailto:samuel.earls@unt.edu) if you have questions.

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Summer Mathematics Institute (SMI)  
2015 Student Application  
July 5 – 25, 2015

Glue or tape  
student photo here.

Do not staple

**Directions:** To receive full consideration, the following documents must be mailed in **ONE Envelope**, and must be received by **5:00 pm, April 17, 2015**. Faxed, e-mailed, incomplete, and applications received after this deadline will not be considered!!

- Completed application – in black ink
- Completed recommendation form from current math teacher in sealed envelope
- Completed parent/guardian recommendation
- Copy of your transcript or most recent grade report
- Head and shoulders photo (school photo) that fits in the space provided above, and
- Confidential financial aid form and supporting documents **ONLY** if applying for a need-based scholarship.

**Please DO NOT staple any part of the application**

Make a copy of the completed application for your records. Since we use a rolling admissions process, spaces will be filled on a first-come first-served basis with qualified students; therefore, we strongly encourage students to apply as early as possible. Submission of an application does not guarantee admission to the program. Students and parents will be notified via e-mail of our decision via e-mail. Please allow three weeks for a decision. The cost of attendance is \$2,300. If accepted, a \$600 deposit is due by May 1, and the balance is due by June 1. **DO NOT SEND ANY PAYMENT WITH THIS APPLICATION!**

**Part 1 A**

**STUDENT INFORMATION**

Please type or PRINT clearly in pen

Name: \_\_\_\_\_ Gender:  Male  Female  
Last First M.I.

Name you prefer to be called: \_\_\_\_\_

Address: \_\_\_\_\_  
Street & Number City State Zip Code

Home Phone: \_\_\_\_\_ Student's Cell Phone: \_\_\_\_\_

Student's E-Mail Address: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Current Grade: \_\_\_\_\_

Current School: \_\_\_\_\_

School Address: \_\_\_\_\_  
Street & Number City State Zip Code

School Phone: \_\_\_\_\_

Please check which course you are applying for enrollment in (Please check only one):

- Algebra I       Algebra II       Geometry       Precalculus

How did you learn about the SMI? \_\_\_\_\_

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Name of Teacher Completing *Teacher Recommendation Form*: \_\_\_\_\_

STUDENT'S NAME: \_\_\_\_\_

**Part 1 A (cont.)**

**STUDENT INFORMATION CONTINUED**

Have you ever attended SMI before?  No  Yes If yes, when? \_\_\_\_\_

Are you currently in an academic program for gifted students?  No  Yes

Are you currently taking honors courses?  No  Yes If yes, what courses? \_\_\_\_\_

Have you ever attended a summer program?  No  Yes If yes, what was the name of the program and when did you attend? \_\_\_\_\_

Were you a participant in a TIP Talent Search?  No  Yes If yes, when? '12-'13 \_\_\_\_\_ '13-'14 \_\_\_\_\_ '14-'15 \_\_\_\_\_

*PSAT Scores	Math _____	Critical Reading _____	Writing _____	Test date _____	
*SAT Scores	Math _____	Critical Reading _____	Writing _____	Test date _____	
*ACT Scores	Math _____	English _____	Reading _____	Science _____	Test date _____

Ethnic Description: (this is used for statistical purposes only)

American -Indian  Hispanic  Asian  White  Black  Other \_\_\_\_\_

Please answer the following questions to better assist our staff with getting to know you. Please **PRINT** your answers.

How many brothers and sisters do you have? \_\_\_\_\_

What kind of music do you enjoy listening to? \_\_\_\_\_

What is your favorite movie? \_\_\_\_\_

What is your favorite TV show? \_\_\_\_\_

What is your favorite food? \_\_\_\_\_

What would you like to be when you grow up? \_\_\_\_\_

What extra-curricular activities are you involved in at your school? \_\_\_\_\_

What do you enjoy doing in your free time? \_\_\_\_\_

Have you ever participated in a camp or program in which you had to share space ((i.e. share a room) with someone you didn't know? If yes, please describe the experience.

**STUDENT'S NAME:** \_\_\_\_\_

***STUDENT INFORMATION CONTINUED***

Instructions: In the space below, please respond to the following question: **Why do you want to attend the Summer Mathematics Institute?** Your response should include information about your specific interest in mathematics and how attending the SMI program will assist you with developing your interest. We ask that you give considerable thought to your response since this is an important factor in the selection process. You may use **ONLY** the space below to answer this question. Additional pages will not be considered. Please **PRINT** your response.

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STUDENT'S NAME: \_\_\_\_\_

**Part 2 A**

**PARENT OR LEGAL GUARDIAN INFORMATON**

With whom do you live?  Father  Mother  Both Parents  Other: \_\_\_\_\_

Guardian 1 Name \_\_\_\_\_  
Last First MI

Home Address \_\_\_\_\_  
Street & Number City State Zip Code

Occupation \_\_\_\_\_ Business Telephone \_\_\_\_\_

E-Mail Address \_\_\_\_\_ Cell Phone \_\_\_\_\_

Guardian 2 Name \_\_\_\_\_  
Last First MI

Home Address \_\_\_\_\_  
Street & Number City State Zip Code

Occupation \_\_\_\_\_ Business Telephone \_\_\_\_\_

E-Mail Address \_\_\_\_\_ Cell Phone \_\_\_\_\_

**Parent/Guardian Recommendation (Part 2 B):** In the space provided on the next page, please respond to the following question: **What would you like for the SMI selection committee to know about your child, and how do you think attending the SMI program will benefit your child?**

*I (student & parent) have reviewed the above information. Our signatures below indicate that all the information contained in this application is correct and honestly represented. Further, I (parent) give permission for the SMI/TAMS Program to publish photographs of my child and provide information to news agencies for any purpose the SMI deems appropriate. I relinquish all rights, title and interest in the finished photographs and news releases. If accepted to the SMI, I (student) understand that I will be required to attend classes 6 hours per day during the week and 3 hours on Saturday mornings. I further understand that I will be required to attend a 1 hour study/tutorial session on weekday evenings. Special Message to Parents: Since this is a 3 weeks residential camp that requires students to be in class for 6 hours a day on Mondays – Fridays and 3 hours on Saturday mornings, this program is designed for students who truly enjoy math and have a strong desire to learn more math. Therefore, we ask that parents please discuss this with their child before applying. Your child MUST WANT to attend. Parents, it is also important that you and your child understand that SMI is a self-paced program, and does not follow the same teaching approach used in traditional classes.*

\_\_\_\_\_  
Student Signature Date Parent/Guardian Signature Date

Completed forms must be received in **ONE ENVELOPE** in our office by 5:00 pm on April 17, 2015.

Summer Mathematics Institute  
Texas Academy of Mathematics and Science  
1155 Union Circle, #305309  
Denton, TX 76203-5017

If you have questions, please e-mail Wendy Boyd-Brown at [wendy.boyd-brown@unt.edu](mailto:wendy.boyd-brown@unt.edu) or Samuel Earls at [Samuel.earls@unt.edu](mailto:Samuel.earls@unt.edu)

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STUDENT'S NAME: \_\_\_\_\_

**Part 2 B**

***PARENT/GUARDIAN RECOMMENDATION***

Student's Name: \_\_\_\_\_

**What would you like for the SMI selection committee to know about your child, and how do you think attending the SMI program will benefit for your child? Use only the space below to respond. Additional pages will not be considered.**

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**Summer Mathematics Institute (SMI)**  
**2015 Confidential Financial Aid Form**  
(Complete only if applying for a need-based scholarship.)

***This application must be completed by the parents/guardians of students seeking a need-based scholarship. This form must be submitted with the student application. EARLY APPLICATION IS RECOMMENDED SINCE SCHOLARSHIP FUNDS ARE LIMITED.***

Name of Student (last, first, middle) \_\_\_\_\_

Parent's Marital Status:  Single  Married  Divorced  Separated  Widowed

Number of children in family (including applicant) \_\_\_\_\_

Are any children in college or private school:  No  Yes If so, how many? \_\_\_\_\_

What college or private school are they attending \_\_\_\_\_

Do they receive financial aid?  No  Yes

**FINANCIAL INFORMATION**

A. Total Family Income (gross before taxes) \$ \_\_\_\_\_ 2014 \$ \_\_\_\_\_ 2015 estimated

B. You must attach a copy of the parents/guardians' most recent federal income tax return AND copies of the 2014 W-2 form(s)

C.

D. What additional, non-taxable income (if any) have you received? \$ \_\_\_\_\_ \$ \_\_\_\_\_

E. Explain any financial or family circumstances which we should consider when awarding scholarship funds in the space below. Examples are extended family responsibilities, unusual medical or educational expenses, changes in employment, and other family needs and responsibilities. You may attach a separate sheet if needed.

F. What is the amount your family will contribute for this student's education this summer? \$ \_\_\_\_\_

***NOTE: Failure to submit complete tax forms and other requested information will delay award notification. All financial information will be kept confidential; no personal financial information is entered on computer records. IMPORTANT: By signing below, I am agreeing to repay the Summer Math Institute any scholarship funds my son/daughter receives in the event that my student withdraws from the program at any time for any reason other than illness.***

Signature of Parent or Guardian

Date

Return this form and all supporting documents with the student application to the following address by **APRIL 17, 2015**.

Summer Mathematics Institute  
Texas Academy of Mathematics and Science  
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Denton, TX 76203-5017

If you have questions, please e-mail Wendy Boyd-Brown at [wendy.boyd-brown@unt.edu](mailto:wendy.boyd-brown@unt.edu) or Samuel Earls at [Samuel.earls@unt.edu](mailto:Samuel.earls@unt.edu).

**TO THE STUDENT:** Please sign one of the following statements before asking your math teacher to complete this form.

I waive the right to see this evaluation form after it is completed.

\_\_\_\_\_  
Applicant's Signature

\_\_\_\_\_  
Parent's/Guardian's Signature

I reserve the right to see this evaluation form after it is completed.

\_\_\_\_\_  
Parent's/Guardian's Signature



## Summer Mathematics Institute 2015 Teacher Recommendation Form

Dear Teacher,

The student who gave you this recommendation form is applying to an accelerated summer mathematics program sponsored by the Texas Academy of Mathematics and Science at the University of North Texas. The Summer Mathematics Institute (SMI) is a fast-paced, three-week residential program. It is for mathematically talented middle and high school students. Participants enroll in a single class and may complete the content of one year of high school mathematics. Participants may enroll in Algebra I, Algebra II, Geometry, or Precalculus. Classes meet daily Monday through Friday and on Saturday mornings. Students participate in evening study/help sessions. The teachers are certified public high school teachers. In addition, each class is assigned one teaching assistant who is a mathematically talented student from the Texas Academy of Mathematics and Science. Each class is limited to 12- 15 students. SMI provides on-going assessment of individual students and matches instruction and practice to the student's needs. Individual, small-group, and large-group instruction is used. Your assistance will help us discern the applicant's readiness for our program. Please complete the front and back of this form and return it to the student in a sealed envelope with your signature written across the seal as soon as possible. Qualified applicants will be accepted into the program until all spaces are filled. Please feel free to contact Wendy Boyd-Brown at [wendy.boyd-brown@unt.edu](mailto:wendy.boyd-brown@unt.edu) if you have additional questions.

Applicant's Name \_\_\_\_\_

Teacher's Name \_\_\_\_\_

Date \_\_\_\_\_

School Name and Address \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

How long have you known the applicant?

Describe the student's self-motivation and self-direction in mathematics.

Considering the student's maturity level, level of self-responsibility, and his or her work ethic, do you believe this student will benefit from a challenging academic program where good study habits are essential for success?

How does this student's math skills and work habits compare to other mathematics students you have taught this year or in the past?

What are his/her strengths and weaknesses?

(continued on back)



Please check the set of words that best describe the SMI applicant

**Self-motivation**

- Always is responsible
- Usually is responsible about working and turning in assignments
- Generally is reliable but needs parent or teacher help to start and finish assignments
- Requires much attention from the teacher or parent to finish or hand in work

**Work Habits**

- Works independently for long periods of time
- Occasionally works independently for long periods of time
- Works independently but tends to become easily distracted
- Needs to be monitored to stay on task

**Math Ability**

- Possesses an extremely high level of math aptitude
- Possesses an above average level of math aptitude
- Possesses an average level of math aptitude
- Possesses a below average level of math aptitude

**Recommendation**

- I highly recommend this student to SMI
- I recommend this student to SMI
- I recommend this student with some reservations to SMI
- I cannot recommend this student to SMI

If you are unable to recommend this student or have reservations, please explain.

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I recommend this student for (circle one): Algebra I   Algebra II   Geometry   Precalculus

Teacher's Signature \_\_\_\_\_ Date \_\_\_\_\_

Please return this evaluation form to the student in a sealed envelope with your signature written across the seal. If you have questions, please feel free to contact Wendy Boyd-Brown at [wendy.boyd-brown@unt.edu](mailto:wendy.boyd-brown@unt.edu) or Samuel Earls at [samuel.earls@unt.edu](mailto:samuel.earls@unt.edu)