The Young Scholars Program for mathematically talented students who have just completed grades 10 and 11 will take place at the University of Chicago from July 5th to July 29th, 2016. The program began in the summer of 1988 under Paul J. Sally Jr. and Diane Herrmann in order to further Paul’s vision of teaching young talented students some “real” mathematics, and it continues to honor that vision.

The aim of the program is to strengthen the participants’ mathematical powers through a deep experience in mathematical thought and effort. Our intention is to broaden and enrich the students’ understanding of mathematics rather than to accelerate them through the standard high school curriculum.

The mathematical content of the program for Summer 2016 will be topics in number theory. The 11th-12th component has included such topics as advanced number theory and finite fields.

The first day of the program will be Tuesday, July 5th, 2016, during which students will take a diagnostic exam. **Students must be able to attend all four weeks of the program.**

The program will take place Monday through Fridays from 9:30AM to 2:30PM (except on Fridays when the program will end at 12:00 noon). Mornings will be spent in lecture-based classes. Students will be given an hour break during the day for lunch. Parents/Guardians are responsible for all transportation and meals. Students are also encouraged to bring water bottles and snacks. Each day, the students will be divided into small groups, with each group conducted by a seminar leader who will discuss homework problems and the ideas underlying the day’s lectures.

YSP is generously supported from various sources, but these do not cover the full cost of the program. In order to continue the program, we have instituted a tiered tuition system based on household income. **Please note that ability to pay will not be taken into account in the application process in any way and financial assistance is available to qualifying students.** Tuition will be charged as follows:

<table>
<thead>
<tr>
<th>Household Income</th>
<th>Tuition</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; $150,000/year</td>
<td>$750</td>
</tr>
<tr>
<td>$75,000-$150,000/year</td>
<td>$500</td>
</tr>
<tr>
<td>&lt;$75,000/year</td>
<td>$250 (Scholarships are available)</td>
</tr>
</tbody>
</table>

*We will be unable to provide assistance with housing or transportation. Space in the program is extremely limited. Because of the highly competitive nature of the program, if you are offered admission into the program and accept, you must attend all meetings for all four weeks. If there is any reason for a possible absence, we must be informed upon acceptance of admission.*

**FOR MORE INFORMATION AND APPLICATION FORMS, WRITE OR CALL:**

ysp@math.uchicago.edu    (773) 702-7389

Professor Robert Fefferman    Professor John Boller
Director of the Young Scholars Program    Co-Director of the Young Scholars Program
**email:** r-fefferman@uchicago.edu    **email:** boller@math.uchicago.edu
The University of Chicago Young Scholars Program
For Mathematically Talented Youth

Summer 2016: July 5–July 29, 2016
11th and 12th Grade Component

Application Form: (Please PRINT or TYPE)

Name _________________________________ Male/Female_____ Birth Date _____/_____/______ (Last, First Middle) (MM/DD/YY)

Permanent Address: ____________________________________________________________________

City: _____________________________________ State: ________ ZIP: ____________

Telephone (________)________________________ Grade completed by June 2016: _____________

Email: ______________________________________________________________________________

Name of Parent(s) or Guardian: ___________________________________________________________

Name of Math Teacher: ________________________________________________________________

Current Mathematics Course: _____________________________________________________________

School’s Name: _______________________________________________________________________

School’s Address: _____________________________________________________________________

Have you been in YSP before? If so, when? _______________________________________________

Check List for Applicants:

_____ Completed and signed application form

_____ Teacher recommendation

_____ Short essay

_____ (Optional) Application for Additional Support

Teacher Recommendation: Please have your mathematics teacher send us a letter of recommendation on the attached form. We strongly prefer that the attached form be used. (The letter of recommendation must be sealed.)

Short Essay: On a separate sheet of paper, write us a short essay about your interest in mathematics.

Send this completed and signed form, along with the accompanying materials, to:

Young Scholars Program
Department of Mathematics, University of Chicago
5734 South University Avenue
Chicago, IL 60637

Applications must be received by March 31st. All applicants will be notified by mail by the end of April. We will not notify applicants as to their admission status over the phone. Applications without an essay or teacher recommendations will NOT be processed.

I understand that if admission into the program is offered and accepted, the student must attend all meetings for the four weeks of the program. Students who fail to attend all meetings will not be considered for admissions to future programs.

Signature of parent or guardian _____________________________ Date ___________