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Mission

To research and develop model programs and self-sustaining learning communities that engage students from all backgrounds in doing mathematics at a high level.

Mathworks is a center for innovation in mathematics education at Texas State University. We conduct research of and develop model programs in the following areas:

- Summer Math Programs
- Teacher Professional Development
- Curriculum Research & Development

Support math learning opportunities for all students

Spring 2018



Mathworks wishes you a happy and bright spring!

In this newsletter:

- 29 Year Mathworks Legacy Campaign
- Planning for the 30th Anniversary of Mathworks

[Donate online today](#) to the Mathworks Legacy Campaign!

Mathworks

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- All About Math Camps
- Mathworks 23rd Annual Junior Summer Math Camp - Half-Day Program at a Glance
- Professional Development for Teachers
- Graduate Student Research
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- Mathworks Fellows Program
- In Memory of Darrell T. Piersol
- Primary Math World Contest Team Announced

29 Year Mathworks Legacy Campaign

This is the 29th year of Mathworks. Our goal through the Mathworks Legacy Campaign is to raise \$29,000 in scholarships to support students with financial need. We hope you can participate and help. Thank you so much! To donate, [click here](#).

30 Years of Excellence in Mathematics

In 2019, Mathworks will celebrate the 30 year anniversary of Mathworks, which began with its first summer math camp in 1990. We are now planning special events for 2019 to commemorate the successes of our students and plans for the future. We invite all of our former students and teachers to send in stories and memories of their time at Mathworks for a Mathworks History that we are putting together. We would especially appreciate any ideas and suggestions you might have for special events. Please send your suggestions and stories to mathworks@txstate.edu, or max@txstate.edu. Thank you, and we hope to see you again soon!

All About Math Camps

www.txstate.edu/mathworks
mathworks@txstate.edu

Forward this email to
friends and family.

Dear Alumni,

Have you recently...
Moved?
Started graduate school?
Landed a new job?
Written a book?
Received an award?

Or simply want to
reconnect with other
alumni?

We at Mathworks would
love to hear what alumni
are doing these days!

Simply fill out this [online
update form](#).



A member of the Texas State
University System

Applications opened on January 1 for the 2018 summer math camp programs. With three camps to choose from, students can engage in doing camp at a high level this summer!

JSMC Half-Day Camp (Grades 3 - 8)
June 4th- June 15th

[Find out more about Half-Day Camp here!](#)

JSMC Residential Camp (Grades 6 - 8)
June 3rd- June 15th

[Learn more about Residential Camp here!](#)

HSMC Camp (Grades 9 - 11)
June 18th- July 28th

[Find out more about Honors Camp here!](#)

Mathworks 23rd Annual Junior Summer Math Camp - Half-Day Program at a Glance



There is still lots of time before summer begins, but it's never too early to start your planning! This year's 23rd annual Half-day Junior Summer Math Camp might just be the perfect way to begin your summer. There

are still spots open, and we'd love to have you join!

Dates: June 4 - 15, 2018

Time: Monday - Friday 8am - 12pm

Location: San Marcos High School
2601 E McCarty Ln, San Marcos, TX 78666

*Transportation may be available for SMCISD students

Cost: \$400; Need-based Scholarships are available! (Includes tuition, all supplies, and a camp T-shirt)

Our Junior Summer Math Camp caters specifically to students currently in grades 3 through 8. [Click here to view a curriculum outline for each class!](#)

Math Quest 1 - Current 3rd and 4th

Math Quest 2 - Current 4th and 5th

Math Quest 3 - Current 5th and 6th

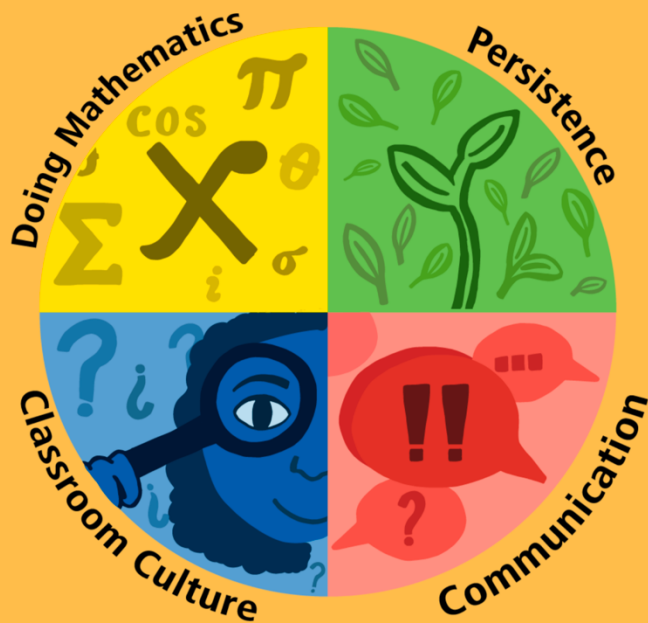
Math Quest 4 - Current 6th, 7th, and 8th

Math Quest 5 - Current 7th and 8th

Still need help deciding on a class? Try working our [diagnostic sample problems](#) to help you select the class that you feel most ready for!

Professional Development for Teachers

MATHWORKS TEACHER PROFESSIONAL DEVELOPMENT BROCHURE



Innovation in Mathematics Education

TEXAS  STATE
UNIVERSITY

The rising STAR of Texas

The Mathworks Teacher Professional development (PD) program prepares middle school math teachers to engage students from all backgrounds in doing mathematics at a high level. This prepares students for success in future courses in math and science, and careers in STEM.

In 2018, the program will be held from June 4 - 15. This immersive two-week professional development program is conducted each summer in San Marcos in early June, in conjunction with the Junior Summer Math Camp (JSMC). In the morning, participants will be a

part of the half-day Junior Summer Math Camp program. In the afternoon, teachers participate in a class covering research-based mathematics pedagogy and engaging math activities.

A total of 45 hours of Professional Continuing Education hours is awarded, approved by the State Board of Education (SBOE).

Graduate Student Research

Math Camp activities appear in national journal

Texas State faculty and graduate students co-authored articles that will appear in the *Mathematics Teaching in the Middle School*, a journal for educators and researchers with a readership of over 28,000.

Mathematics education graduate students Xiaowen Cui, Christina Koehne, Sonalee Bhattacharyya and former graduate students Ellen Robinson and Nama Namakshi co-authored the articles with Mathworks faculty Max and Hiroko Warshauer. The activities were implemented in the Level 4 and Level 5 Junior Summer Math Camps.

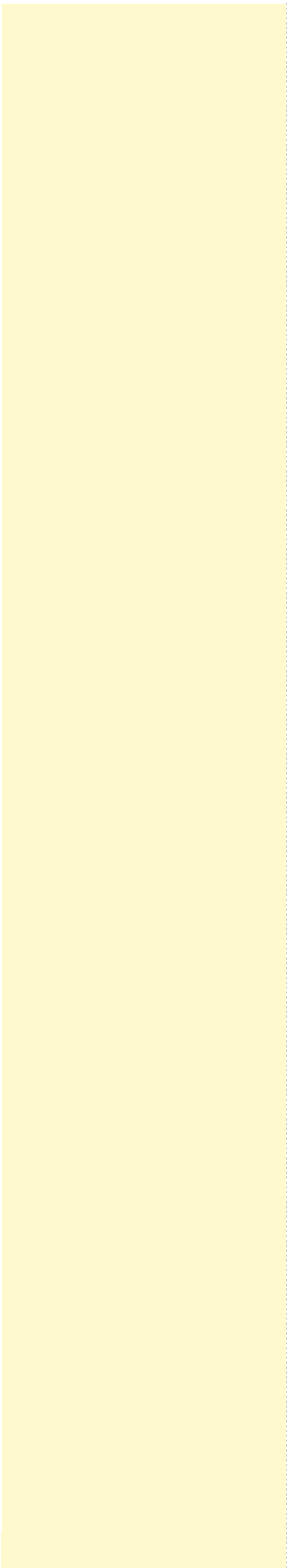
- Abacus Interactive (March, 2018)
- Collaboratively engaging with GCF and LCM (to appear in 2018)
- Tortoise and the Hare: Investigating Rates (to appear in 2018)

Camp research

Faculty and graduate students are analyzing data from the 2016 JSMC and 2017 HSMC with plans to report findings in 2018. Research plans for the 2018 JSMC and HSMC are currently in the design phase as Mathworks faculty plan for this year's summer camps.

HSMC Research Projects

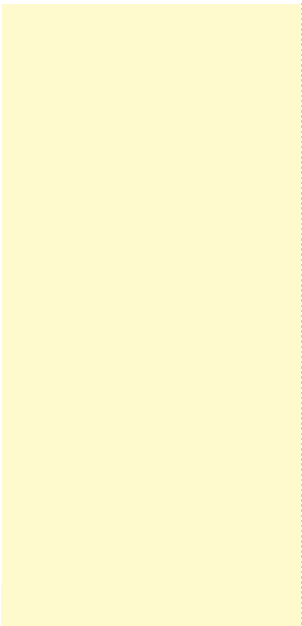
Mentors are gearing up for 2018 HSMC with plans to have students join in research projects. Returning students are mentored by University Professors who will oversee original research projects. The research can be submitted to competitions such as the Intel Science



and Engineering Fair (ISEF) or to research journals. Along with the research component, a Problem Solvers seminar will be offered for the first time.

STEM Fair and Family Math Night in San Marcos

On Saturday, February 10, Mathworks joined other vendors at the San Marcos STEM Fair to promote events and careers in the STEM (Science,



Technology, Engineering, and Math) field. Our Valentine's theme "For the Love of Math" engaged students in geometry making origami hearts while the parents learned about the math camps. We had a great time talking with and meeting local families.

Join us on March 21, at 5:00pm for the San Marcos CISD Family Math Night at Dick's Classic Car Museum on 120 Stagecoach Trail, San Marcos, Texas. We will play fun math games and hold a contest for guessing the number of jelly beans in a jar!

Mathworks Fellows Program



MATHWORKS FELLOWS PROGRAM

ARE YOU INTERESTED IN GAINING CLASSROOM EXPERIENCE?

Consider being a Mathworks Fellow this summer!

The Mathworks Junior Summer Math Camp (JSMC) creates small learning communities of students, teachers, and faculty while giving undergraduates the opportunity to gain valuable classroom experience and work with students.

JSMC will be held from **June 4 - 15, 2018** at San Marcos high school. there will be an introductory meeting on **April 20** and an orientation meeting for fellows and teachers on **June 2**. Mathworks Fellows will be paid a stipend of **\$700**. You don't want to miss out on this exciting opportunity!

Daily schedule from June 4 - 15, 2018

- 7:30 am - 8:00 am Facilitate student check in / breakfast
 - 8:00 am - 12:00 pm JSMC class assistant
 - 12:00 pm - 12:30 pm Facilitate student pick-up / lunch
 - 12:30 pm - 2:30 pm Math education seminar
-

Apply Online Now!!!

www.txstate.edu/mathworks/fellows.html

DEADLINE FOR APPLICATIONS IS APRIL 6

TEXAS STATE UNIVERSITY
The rising STAR of Texas

Mathworks
ASBS 110
512-245-3439



The Mathworks Fellows Program continues to develop as an exciting program for undergraduates to learn about the art of teaching mathematics. In 2017, 22 undergraduates participated as Mathworks Fellows, assisting in the Mathworks Junior Summer Math Camp in the morning, and reflecting on math content and pedagogy in the afternoon. Sponsored by the Meadows Foundation, the Mathworks Fellows program adds an exciting new dimension to our teacher preparation program at Texas State, providing students with an

introduction to the joy and excitement of teaching. This coming summer, we expect to have at least 22 more undergraduates participate as Mathworks Fellows. Students interested in being a Mathworks Fellow can find more information online at www.txstate.edu/mathworks and apply at: <http://www.txstate.edu/mat.../Fellows/Fellows-Application.html>. The deadline for receipt of applications is April 15, 2018.

In Memory of Darrell T. Piersol

Mathworks is sad to report that Dr. Darrell Piersol passed away on Feb. 24, 2018 at the age of 91. Numerous Mathworks students and faculty at the Honors Summer Math Camp remember Darrell for his inspiring talks about Careers and Planning for the Future. He volunteered his time and wisdom in helping others, and was an inspiration to us all.

Dr. Piersol spent 26 years with IBM Corporation, rising to the position of IBM Corporate Director of Personnel Development. After leaving IBM, he became a professor at Texas State University teaching Business Management until his retirement. He mentored numerous future state leaders as Director of the Governor's Executive Development Program in the Lyndon B. Johnson School of Public Affairs, UT Austin. In 1989 he was named as the 15th recipient of the President's Excellence Award at Texas State University. The award is presented by the Texas State President to individuals "who have brought special recognition to the University through significant contributions to society, their professions or the University." We will all miss Darrell, and send our heartfelt condolences to his wife, Barbara, and family.

Primary Math World Contest Team Announced



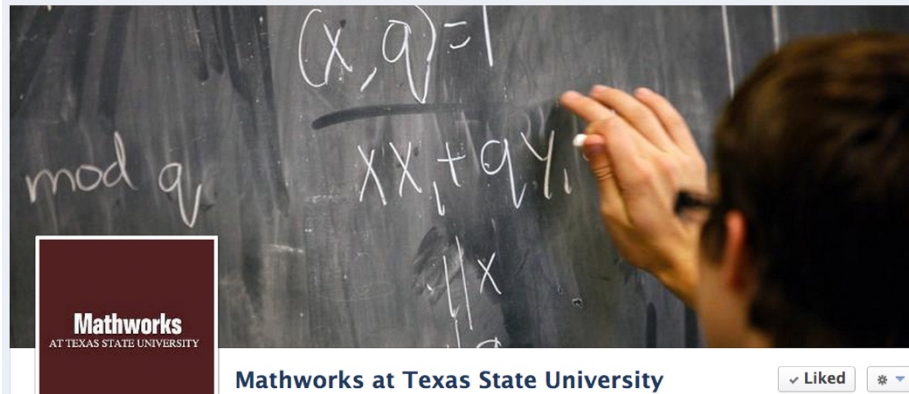
We had 599 students take the Mathworks Math Contest and 28 teacher and coaches who proctored the test. Out of those students four are selected to represent the United States at the Primary Math World Contest (PMWC). These four students are selected based on their test scores and their eligibility to attend the PMWC. The two boys and two girls who were selected are:

- Dylan Yu
- Edward Xiong
- Jasmine Wang
- Hannah Guan

In July after attending our Residential Summer Math Camp these students will fly to Hong Kong and compete at the 2018 PMWC! Congratulations to all the students who participated in the Mathworks Math Contest. We wish our team good luck as they began to prepare for the PMWC.

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facebook page!

Receive instant news updates, connect with other alumni, and check out fun math topics!



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