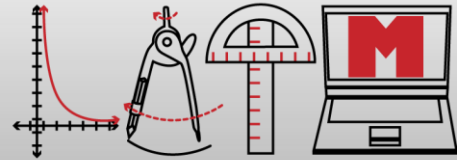


# THE NUMBER LINE

February 2020

[www.lamath.org](http://www.lamath.org)



LOUISIANA ASSOCIATION of  
TEACHERS of MATHEMATICS

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# PRESIDENT'S MESSAGE

Happy New Year!

I hope everyone had a smooth start to his or her new year.

Thank you to everyone who attended our annual conference in November. LATM and LSTA joined forces to bring together math and science educators from around the state. The conference committee received some great feedback and we hope that it ignited a spark in your teaching!

If you were not able to attend the event or missed a session, we will once again be publishing *Conference Reflections*, which will feature presentations selected, based on attendee feedback. Be on the look out next month!

At the conference, we honored several outstanding educators. Jamar Ferguson, Shannon Gary, Jordan Vicknair and Jeffrey Weaver were named LATM Outstanding Math Teachers. We also honored the Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) winners Mandy Boudwin (2017) and Troy Hobson (2018). Congratulations to all of the honorees. For more information about these awards, please visit our website <http://www.lamath.org>.

During the LATM general membership meeting, we elected some new members to our Executive Council. Lori Gerard was elected Vice President of Secondary Schools and Christen Timmins was elected President Elect. The membership also voted to pass the constitutional changes regarding Regional Representatives. If you are interested in representing your area on the board please contact me at [tfos1@lsu.edu](mailto:tfos1@lsu.edu). We are looking to have all eight BESE regions represented!

Just as one conference ends, planning for the next begins! We will hold a math only conference in Lafayette on October 26 and 27. Stay tuned for more information.

Wishing everyone the best in 2020!



Trisha Fos  
LATM President  
[tfos1@lsu.edu](mailto:tfos1@lsu.edu)



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# VICE-PRESIDENTS' CIRCLE

## Connecting Area and Perimeter

By Leann Vinson, VP – Elementary Schools

Have you ever challenged your students to make the connection between area and perimeter? It is important to introduce area and perimeter at different times in order to build a strong conceptual understanding of each. Area is how much surface a shape takes up in square units without any overlaps or gaps. Perimeter is a continuous line forming the boundary of a closed geometric figure which can be measured using units of length.

Some problems your students may encounter with area and perimeter:

- Students confuse the two terms; not knowing which measurement to use when applying the concepts to real world situations
- Students think area and perimeter of a figure are always the same
- Students make errors in counting squares when finding area and/or counting units when finding perimeter
- Students draw and label figures incorrectly

Here is an example of an activity you can try with your students that challenges them to make rectangles of different sizes.

1. Give your students the same number of tiles and ask them to create different rectangles using all of the tiles. They should record the number of tiles used, area and perimeter of each rectangle.
2. Ask your students if all the rectangles have the same area and perimeter. Students should find the rectangles all have the same area with different perimeters.
3. Next, ask students to create a rectangle with the smallest perimeter possible.
4. Then, challenge them to create a rectangle with the largest perimeter possible.

Throughout the process, allow your students to struggle and guide their thinking to see the connections between area and perimeter. Plan your questions and anticipated student responses. Try these:

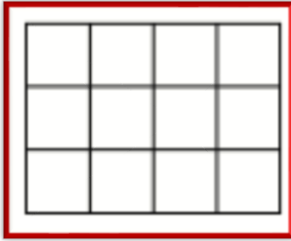
- How many tiles were used to construct each rectangle?
- What happens when the tiles are more compact versus spread out?
- Which orientations have the largest perimeter? area?

Have a discussion to see if they can identify any patterns and elicit conjectures about the causes of any changes they see. Some examples of rectangles with the same area and different perimeters are shown below.

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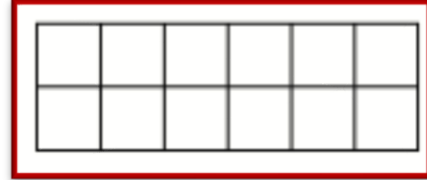
### Rectangle A

Area: 12 square units  
Perimeter: 14 units



### Rectangle B

Area: 12 square units  
Perimeter: 16 units



### Rectangle C

Area: 12 square units  
Perimeter: 26 units



Students should find the relationship is when a figure's area gets closer to a square, the perimeter is smaller. An example of this is Rectangle A, the most compact rectangle. Conversely, when a figure's area is more spread out, the perimeter is larger. Rectangle C is longer, skinnier and has a larger perimeter. This investigation may be challenging for some of your students yet will create a lasting experience with the concepts of area and perimeter. Have fun with discussions and celebrate your students' thought processes to exploring the relationships between area and perimeter!



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# 2019 LATM/ LSTA Joint Conference

## Lifetime Service to Mathematics Education Award

The Lifetime Service to Mathematics Education Award recognizes an LATM member for distinguished service in the field of mathematics education. The award is designed to recognize an LATM member who has made extraordinary contributions to the advancement of math education in mathematics and/or mathematics teaching over a significant period of time. The recipient of the 2019 LATM Lifetime Service to Mathematics Education Award is Fan Disher. Fan has dedicated 43 years to sharing her enthusiasm for mathematics with students and teachers alike.



As a high school teacher, Fan sought to make doing math FUN so students might become happy, productive, lifelong learners. Some of her creative teaching methods included allowing her students to use Playdoh™ and cakes to investigate methods of measuring volume in Calculus. She also took her students on field trips to gather real world data which was then used for mathematical modeling back in the classroom. The cooling time of coffee and the stopping time of boats on the water are some of the real-world phenomena that her students investigated. Fan enjoyed connecting with students and teaching students about life as well as math.

Fan's enthusiasm for math proved too great to be contained by the four walls of single classroom. Though she remained a classroom teacher until retirement, Fan expanded her ability to share her knowledge and enthusiasm by giving presentations at educator conventions including LaCue, LATM, NCTM, T3 International Convention, MSP, MCTM, and local professional development workshops. The effective use of graphing calculators in high school math courses was a perennial topic of her presentations and she eventually became a Texas Instruments certified instructor. Recognizing that the students' success in upper-level high school math courses is partially dependent on the quality of learning in prior math classes, Fan also gave presentations aimed at helping 6<sup>th</sup>-10<sup>th</sup> grade teachers deepen their content knowledge and gain a better understanding of the vertical alignment of math topics. Even in retirement, Fan has continued to give presentations at LATM conferences.

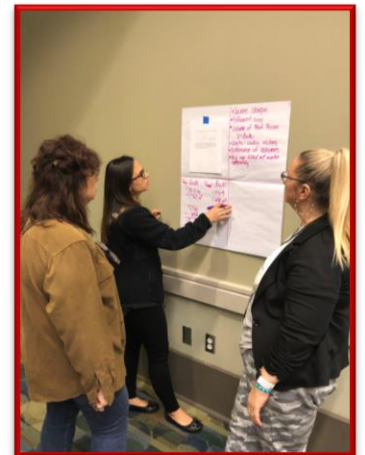
Other outstanding achievements of Fan's include earning a Masters +30 certification, earning National Board Certification, being name the 2009 LATM Outstanding High School Mathematics Teacher, and being named a national Presidential Awardee for Excellence in Mathematics Teaching in 1998. Additionally, Fan served as an Advanced Placement Calculus test reader for 15 years, which involved spending a week each summer grading hundreds of student answers to free response questions on the standardized AP Calculus test. Now, Fan spends a lot of her time mentoring current teachers.

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For her significant contributions to mathematics education in Louisiana and across the country, the LATM Executive Council was pleased to surprise Fan Disher with the LATM Lifetime Service to Mathematics Education Award during the LATM/LSTA award ceremony held on November 4<sup>th</sup>, 2019 at the Louisiana Art and Science Museum in Baton Rouge.

## Conference Reflections Publication

*Conference Reflections* will be back for its second issue! This time highlighting presentations from the 2019 LATM/LSTA Joint Conference! [In the last issue](#), nine presentations were featured, and each highlighted presentation had a summary, bio, as well as the materials used during the presentation. Below are a few photos from this fall's conference. Stay tuned to see which presentations make this issue!



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## LATM Travel Grants

The Louisiana Association of Teachers of Mathematics awarded up to \$3000 in travel grants with each grant awarded worth up to \$300 to offset the expense of attending its 2019 LATM/LSTA Joint Math and Science Conference in Baton Rouge, November 4-5, 2019. The money could be used to cover conference registration, short course registration, lodging, meals, parking, and/or travel. The money was awarded at the conclusion of the conference. There are two types of grants are offered: attendees and presenters. Applications for the 2020 Travel Grants will be available in Spring 2020.

<b>Congratulations to the 2019 recipients:</b>	
Mary Bissell Lisa Cooper Fan Disher Jamar Ferguson Denny Flannery	Jessica Hunter Tonyaneka Jackson Trinity Noble Seana Smith

## 2020 LATM Conference



**LOUISIANA ASSOCIATION of  
TEACHERS of MATHEMATICS**

# LATM Conference

## Lafayette, La

Double Tree by Hilton

### October 26 - 27, 2020

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# Presidential Award for Excellence



LATM congratulates Presidential Awardees **Mandy Boudwin** (2017) and **Troy Hobson** (2018) who traveled to DC in mid-October for the National Recognition Ceremony.

## Presidential Awards For Excellence In Mathematics Teaching Awardees (PA)



**Mandy Boudwin**

Lutcher High School, St. James Parish



**Troy Hobson**

Greenlawn Terrace Elementary School, Jefferson Parish

The 2019 Louisiana State Finalists for the Presidential Award for Excellence in Mathematics Teaching were recognized during a luncheon at the Governor's Mansion in September and honored during the LATM Conference in November at the annual awards ceremony.

## 2019 Louisiana State Finalists



**Margaret Acree**

Sterlington High School, Ouachita Parish  
Presented by PA Donna Patton



**Stephen Anderson**

Sterlington High School, Ouachita Parish  
Presented by PA Pam Goodner



**Jeffrey Weaver**

Central High School, Central Community Schools  
Presented by PA Fan Disher



The 2019-2020 academic year is an elementary cycle for the Presidential Award program. Teachers of math, science, computer and engineering courses in grades K-6 are eligible. Nominations will be accepted through **March 1, 2020** with application packets due **May 1, 2020**.

You may nominate an outstanding elementary mathematics teacher online at [www.paemst.org](http://www.paemst.org). Don't stop with the nomination. Print the certificate of nomination and present it to the teacher. Then periodically encourage and offer to assist to your candidate. You might be able to review the candidate's application entry or help to have the classroom lesson taped and uploaded to the website.

The narrative component consists of written responses to address Five Dimensions of Outstanding Teaching and supplemental materials. The Five Dimensions of Outstanding Teaching are:

- Dimension One:       Mastery of content appropriate for the grade level taught.
- Dimension Two:       Use of instructional methods and strategies that are appropriate for the students in the classroom and that support student learning.
- Dimension Three:     Effective use of student assessment to evaluate, monitor, and improve student learning.
- Dimension Four:      Reflective practice and life-long learning to improve teaching and student learning.
- Dimension Five:      Leadership in education outside the classroom.

The full application packet includes a video of no more than 30 minutes. The video may be stopped once during same day class instruction. Nominees may include up to six pages supplemental/supportive material.

For additional information on the Louisiana PAEMST program contact Jean May-Brett at [jam05@bellsouth.net](mailto:jam05@bellsouth.net) or visit <https://www.paemst.org/home/view>

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# LATM Outstanding Teacher Awards

## LATM Outstanding Teacher Awards

One of the goals of our organization is to honor and recognize those individual educators who model and promote standards-based mathematics teaching and learning for their students. Each year LATM honors outstanding elementary, middle, and high school teachers from participating schools. We also honor an outstanding new teacher who is in his/her first three years of teaching. We received many excellent applications for the 2019 Outstanding Mathematics Teacher of the Year. A panel of exceptional Louisiana educators evaluated the applications to select finalists for each grade level band based on the following criteria: professional experience, professional development activities, professional memberships, professional reflection essay, and professional references. LATM is pleased to announce and congratulate the following awardees for 2019.



**Jordan Vicknair**  
Elementary School Mathematics Grades K-4  
Luling Elementary School, St. Charles Parish



**Shannon Gary**  
Middle School Mathematics Grades 5-8  
Houghton Elementary School, Bossier Parish



**Jeffery Weaver**  
High School Mathematics Grades 9-12  
Central High School, Central Community Schools



**Jamar Ferguson**  
Arthur F. Smith Middle Magnet, Rapides Parish

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These teachers were recognized on November 4th, 2019 at an awards ceremony that took place during the LATM/LSTA Joint Conference in Baton Rouge.

**Do you know an outstanding mathematics educator? Do you know a “newbie” teacher who is doing a great job teaching mathematics?** If you answered yes to either question, then please encourage your colleague(s) to apply for the LATM Outstanding Teacher Award. The online award application and judging rubric can be found [here](#) under the awards link beginning Monday, February 17<sup>th</sup>, 2020. Each nominee should complete all portions of the application and print the application for his/her own records before submitting it. **The application must be completed no later than 11:59 pm on Friday, April 10<sup>th</sup>, 2020.** Two letters of recommendation must be uploaded during the application process. Applicants must be current members of LATM or must submit a membership form at the time of application. Membership forms can be found [here](#) under the membership link.

A panel of outstanding Louisiana educators will evaluate the applications to select awardees for each grade-level band based on the following criteria: professional experience, professional development activities, professional memberships, professional reflection essays, and professional references. Awards will be presented during the LATM Conference being held October 26-27, 2020, at DoubleTree by Hilton Hotel in Lafayette.

We know there are lots of great mathematics educators in Louisiana! Thank you for helping us honor them.

## Louisiana Science Technology Engineering & Math

The Louisiana Science, Technology, Engineering, and Mathematics Advisory Council (LaStem) is tasked to coordinate and oversee the creation, delivery, and promotion of STEM education programs, to increase student interest and achievement in the fields of STEM, to ensure the alignment of education, economic developments, industry, and workforce needs, and to increase the number of women who graduate from a postsecondary institution with a STEM degree or credential. The council is composed of leaders from around the state both, in education and industry. Trisha Fos serves as the LATM representative on the board. The Advisory Council meets quarterly. Take some time to explore the Louisiana Science Technology Engineering and Mathematics Advisory Council’s (LaSTEM) official website. The site is a tremendous resource for educators, students and parents. It houses a wealth of information ranging from implemented programs, statistics, educator resources and grant opportunities to the latest news and developments in STEM industries. [Click here to visit the site.](#)



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# Opportunities for Teachers

## Shell NEED Energy Workshop February



The National Energy Education Development Project will be in Louisiana on February 6, 2020 hosting a workshop from 8:00 a.m. until 3:30 p.m. This event is FREE to interested 4<sup>th</sup> – 12<sup>th</sup> grade math and science educators and will be held at the Edward A. Dufresne Community Center, 274 Edward Dufresne Parkway Luling, LA 70070. Participants will receive classroom resources and materials, substitute reimbursement as well as breakfast and lunch! Registration is required. [Click here](#) for more information.

## Dollar General Literacy Foundation Youth Literacy Grants

These grants are awarded to schools, public libraries, and non-profit organizations with the goal of helping students who are reading below grade level or having trouble reading. They are intended to support literacy program implementation or expansion and to fund purchasing literacy program supplies, including new technology. Applications available on **February 27<sup>th</sup>**. [Click here](#) for more information.



## Quality Science and Mathematics Grant Program

You still have time to submit an application for the QSM Spring Round! Is there a concept you would like to teach but do not have the materials? Are you looking for a way to purchase new classroom tools to create better learning experiences for your students? Could you use additional funding to buy equipment to bring an idea seen during last year's conference or a professional development training back to the classroom? The answer may be here through the Quality Science and Math Grant Program (QSM).

[Submit an application TODAY](#) – It's easy... You have until **11:59 p.m. on February 23, 2020** to determine what you would like to request, write and submit an application. Be sure to answer each criterion requested, fully describe what you want to do and justify the expenditures for your proposed project. Anyone who was awarded a fall grant is **not** eligible for the spring round because the two are in the same school year. For those who were not funded in the fall, you may contact [Brenda Nixon](#) and request the feedback from the review process to use in editing/revising and then resubmitting your proposal. The award amount is up to \$1,000 for NON-consumable instructional materials.

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## Congratulations to the 2019 QSM Winners

### Kindergarten – Fifth Grade

**Alejandra Soileau**

Oberlin Elementary

**Amanda Robinson**

Doyle Elementary

**Bonnie Soulet**

Bourge Elementary School

**Christine Clement**

Mandeville Middle

**Jennifer Comeaux**

Pierre Part Elementary

**Jessica Felder**

Doyle Elementary School

**Jessica Turner**

Fairview High School

**Karen Parrino**

North Live Oak Elementary

**Lova Moreno**

Henry Heights Elementary

**Makayla Benoit**

Magnolia Woods Elementary

**Natalie Boudreaux**

Virtual Academy of Lafourche SME

**Natalie Oubre**

Independence Leadership Academy

### Sixth – Eighth Grade

**Carley Prestenbach**

Youree Drive Middle Advanced Placement

**Carly Tamor**

Copper Mill Elementary

**Hannah Cruz**

Elm Grove Middle School

**Jill Rice**

Kinder Middle School

**John McKenzie**

Benton Middle School

**Johnathon Martin**

Cope Middle School

**Julius LaCaze**

Julius Patrick Sixth Grade Academy

**Margaret Grindstaff**

Patrick F Taylor Science and Tech  
Academy

**Meghan Sage**

Benton Middle School

**Melissa Garison**

Benton Middle School

**Phyllis Kirkland**

Virtual Academy of Lafourche

**Stephanie Marze**

Elm Grove Middle School

### Ninth – Twelfth Grade

**Brenda Garrett**

Sam Houston High School

**Elizabeth Smith**

Neville High School

**Evelyn Loftin**

Virtual Academy of LaFourche, South  
Site

**Henri Loridans**

Captain Shreve High School

**Isaac Bourg**

Career Magnet Center

**Kayla Deshotel**

Lake Arthur High School

**LeeAnn Sepulvado**

Airline High School

**Rebecca Sonnier**

Eunice High School

**Sarah Thomas**

Eunice High School

## Regional Science Lab Challenge

Share your exemplary approach to science lab instruction in your school using limited school and lab resources to enter to win your share of over \$435,000 in prizes to be awarded. This opportunity is open to any K-12 Science teacher in our region. For more information [click here](#).

Shell is also offering another opportunity for grades 6-12 teachers to win a \$20,000 lab makeover support package. [Click here](#) for more details.



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## Honoring Dr. Stan Chadick



Calling on the LATM membership to join in honoring the legacy of Dr. Stan Chadick. Dr. Chadick received the first Lifetime Service to Math Education Award from LATM in 2014. He received numerous awards for teaching and leadership in mathematics education throughout his career. After his passing in 2017 the Department of Mathematics at Northwestern State University began raising money to fund the Chadick Endowed Professor of Mathematics. They are well on our way to the \$80,000 goal with only \$6,000 left to raise, which will be matched by \$20,000 from the state to create a \$100,000 endowment. Income from the endowment will support a deserving faculty

member who carries on his legacy of working with mathematics teachers at all levels. For more information, contact [NSU Director of Development Jill Bankston](#), CFRE, at (318) 357-4241. Donations can be mailed to the NSU Office of University Advancement, Development Office, Natchitoches, LA 71497 (please specify Stan Chadick Endowment on check) or made online [here](#).





Save  
the  
Date



LOUISIANA ASSOCIATION of  
TEACHERS of MATHEMATICS

# LATM Conference

## Lafayette, La

Double Tree by Hilton

# October 26 - 27, 2020

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# Opportunities for Students

## Carol Meyer Memorial Scholarship

Louisiana Association of Teachers of Mathematics will be honoring Carol Meyer, an elementary school mathematics teacher who died unexpectedly at an early age. Carol loved mathematics, and she was a recipient of the Presidential Award for Excellence in Mathematics and Science Teaching. Carol was an outstanding math teacher and a passionate member of the LATM executive board. She was always generous in sharing her love of math with her students and colleagues.

In Carol's memory, LATM is pleased to award two \$500.00 scholarships each year to college upperclassmen with a declared major in elementary education, mathematics education, or mathematics. Additionally, the scholarship awardees will receive complimentary LATM student memberships. It is our hope that another future outstanding mathematics teacher or mathematician will be helped along the way by this award.

Applicants must:

- Be a college undergraduate with at least 40 hours completed
- Declare a major in elementary education, mathematics education, or mathematics
- Anticipate graduation after May 2020

Applications must be submitted by **April 10, 2020**.

The link to apply will be on the Awards Page found at <http://lamath.org/Awards.htm>.

## 2020 Arcademics Cup

Registration is now open for the annual [Arcademics Cup](#), an international multiplication competition for traditional and homeschool students in grades K-6. More than 10,000 students are expected to compete during the two-day competition, which kicks off at 8 a.m. EST on Thursday, Feb. 6.

During the [Arcademics Cup](#), students race against each other to solve problems and win prizes in the free multiplayer game Grand Prix Multiplication. Last year's [Arcademics Cup](#) saw students play more than 325,000 games and correctly solve more than 10 million multiplication problems.

"The Arcademics Cup provides a fun, friendly and competitive learning experience for elementary students at all learning levels," said David Scherrer, president of Arcademics. "By racing their friends and classmates, students hone their multiplication skills, and their teachers can mark their progress throughout the competition."



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Last year, teachers saw an overall 5 percent increase in accuracy and 10 percent increase in answer rate (the number of correct answers per minute) for their students during the Cup. In addition, students that began the Arcademics Cup with an 80 percent or lower accuracy experienced an average 19 percent accuracy increase and 34 percent increase in answer rate.

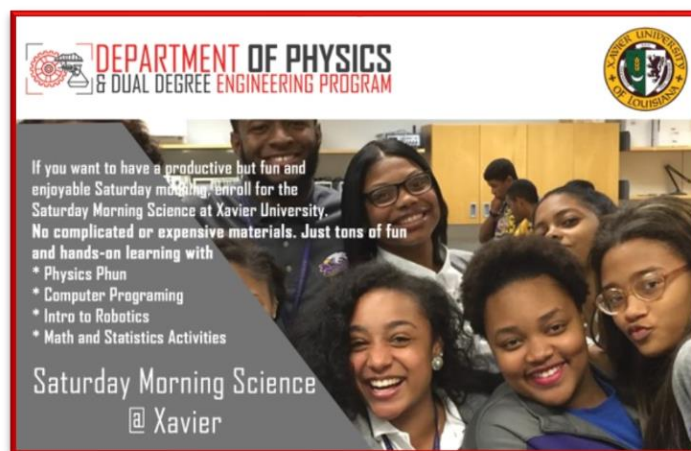


"Incorporating Arcademics into my daily lesson plans has given my students a way to work with each other and practice vital skills simultaneously," said David Woodward, math

intervention specialist with Boulder Valley Schools in Boulder, Colorado. "The excitement garnered during the Arcademics Cup motivated my students to play more, at school and at home, while increasing their multiplication skills. As a result, there was a noticeable improvement in my students' skills by the end of the competition."

Teachers, schools, homeschoolers and other edu-programs can register for the Arcademics Cup now by signing up for a free trial of Arcademics Plus to register their students. For more information about Arcademics, please visit [www.arcademics.com](http://www.arcademics.com).

## Saturday Morning Science at Xavier University



The Physics and Computer Science Department at Xavier University invites all interested middle school and high school students to attend **free** Science sessions at Xavier University.

These sessions open to any middle or high school student who enjoys science (No previous physics experience required). The sessions will be held from February 1<sup>st</sup> – April 25<sup>th</sup> 2020 at Xavier University's Science Building (NCF), Rooms 260 and 271. Register today by sending an email to [physics@xula.edu](mailto:physics@xula.edu) or contact Dr. Anderson Sunda-Meya at 504-520-5107.

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# Louisiana Department of Education (LDE) UPDATE

## Teacher Leader Summit

Planning for the 2020 Teacher Leader Summit is already underway, and we are excited about the trainings that will be available for math! The 2020 Teacher Leader Summit will take place May 27–29 at the Morial Convention Center in New Orleans. Summit objectives include:

- Improving the everyday practice of educators in Louisiana by building their knowledge and skill in key areas related to their role
- Providing opportunities for educators to collaborate and share best practices
- Introducing high-quality resources and professional development that can be adopted and scaled in schools and school systems across Louisiana
- Fostering a culture that celebrates and engages educators and empowers and inspires them to take on an ever greater leadership role within their classrooms, schools, and school systems

Please view the [2020 Teacher Leader Summit Overview](#) for more information on the Summit schedule and pre-registration options. We look forward to seeing you there!

## Enhanced Eureka Remediation Tools

The Department is currently working to enhance the [Eureka Remediation Tools](#) beginning with Grade 6. The updated versions provide teachers with additional resources for supporting students who have unfinished learning through targeted mini lessons and student activity sheets. For additional information on helping students access grade-level content using the newly enhanced ER tools, consult [this video](#). We encourage Grade 6 teachers to utilize these tools and provide any feedback to [classroomsupporttoolbox@la.gov](mailto:classroomsupporttoolbox@la.gov).



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# NCTM UPDATE

## NCTM Centennial Annual Meeting



NCTM turns 100 in 2020! It is time to start planning for the April 2020 [NCTM Centennial Annual Meeting](#) & Exposition in Chicago. Join thousands of educators from across the globe in this once-in-a-century celebration of NCTM and mathematics education. Conference strands will allow you to *Implement the Effective Teaching Practices, Experience the Depth and Excitement of Mathematics, Look Back and Move Forward: A Centennial View, Create Positive Change, and Build Student Agency, Foster Student Identity, and Promote Social Change*. You won't want to miss this once-in-a-century opportunity! Something like this only happens every 100 years!

## MET Awards, Grants and Scholarships

The Mathematics Education Trust (MET) of the National Council of Teachers of Mathematics (NCTM) funds projects that enhance the teaching and learning of mathematics. NCTM encourages you to apply for a grant that will advance your professional development and help you increase your effectiveness as an educator. Below are just a few grants offered by NCTM that are to be **postmarked by May 1, 2020**. Be sure to visit <https://www.nctm.org/Grants/> for a full listing and details on how to apply.

### [Enhancing Student Mathematics Learning through the Use of Tools and Technology Grants](#)

Grants of up to \$3,000 are awarded to persons currently teaching mathematics in grades Pre-K–12 for the innovative use of technology and other tools to "help teachers and students visualize and concretize mathematics abstractions...."

### [Pre-K-8 Preservice Teacher Action Research Grants](#)

A grant with a maximum of \$3,000 for action research conducted as a collaborative by university faculty, preservice teacher(s), and classroom teacher(s) seeking to improve their understanding of mathematics in Pre-K–8 classroom(s).

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## [Professional Development Scholarship Emphasizing the History, Number Theory, and Discrete Mathematics](#)

A scholarship of up to \$3,000 for an individual currently teaching mathematics at the grades 6–12. The purpose is for the individual to complete credited course work or design and implement a personal study plan in one of the following areas: some aspect of the history of mathematics, number theory, or discrete mathematics, create and field-test appropriate classroom activities incorporating the history of mathematics, number theory, or discrete mathematics into the curriculum and to prepare and deliver a professional development presentation to colleagues.

## [Program of Mathematics Study & Active Professionalism Grants](#)

A program grant of up to \$24,000 for a classroom grades Pre-K-6 teacher seeking to improve his/her understanding and appreciation of mathematics by completing course work in school mathematics content and pedagogy working toward an advanced degree, and taking an active professional approach toward teaching mathematics. The proposal may outline a study plan for a one-year, a two-year, or a three-year program.

## [Prospective Middle School Teacher Course Work Scholarships](#)

A scholarship, up to \$3,000 for a full-time college or university junior who is pursuing a career goal of becoming a certified teacher of middle (grades 6–8) school mathematics.

## [Prospective 7-12 Secondary Teacher Course Work Scholarships](#)

Scholarships, up to \$10,000 for full-time college or university sophomores who are pursuing a career goal of becoming a certified teacher of secondary (grades 7–12) school mathematics.

## [School In-Service Training Grants](#)

Classroom teachers receive up to \$4,000 for support of in-service programs.

For more information, visit <https://www.nctm.org/MET/>.



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# LATM EXECUTIVE COUNCIL

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