

Teaching

Commitment = Results

Be Part of a New Equation.

Learning

The mission of Xavier Math Fellows, a division of the Xavier Math Science Institute, is to eliminate the student achievement gap in mathematics between New Orleans students and their peers statewide and nationally within the next ten years.

XAVIER MATH FELLOWS



Are You Interested?

- + Telephone the Executive Director, Barbara MacPhee at 520.5143
- + Attend one of our Coffee Shop & Question Sessions
Time, date & location to be announced. Call 520.5143 for details

Xavier University gratefully acknowledges the support of ExxonMobil in the creation of the Xavier Math Fellows Program. ExxonMobil has provided funding support for the Math Science Teacher Institute (MSTI) at Xavier University. In 2009 the Science Fellows program will open within MSTI. Anyone interested in supporting this Xavier program should contact the the Executive Director at 520.5143.





- + Develop a guild of math teachers in New Orleans who are committed: to each other's development, to sharing resources and effective practice, and to forging a professional community of math teachers in our city.

Program Activities

- + Orientation and Welcome Luncheon (Saturday in May or June date tbd; 9am – 2pm)
- + Summer Institute, July 7-18, 9:00am to 4:00pm daily (lunches provided)
- + Six twilight workshops during the school year (dinners provided)
- + Two weekend residential workshops during the school year
- + Peer coaching and curriculum planning groups

How You Benefit+

- + Professional development workshops from top local, national, and international math educators who have closed the achievement gap in mathematics
- + A skills profile for you outlining the skills and understandings needed to become an outstanding math teacher
- + Curriculum resources, including lesson plans developed by you and your fellow participants for use in your classroom
- + An opportunity to work with 19 other math teachers in New Orleans who share your commitment to learn from one another and to join in a system-wide effort to close the math achievement gap.
- + An opportunity to visit exemplary schools that are showing extraordinary gains in their students' mathematics achievement
- + An opportunity to earn \$3800 for the Xavier Math Fellows year long experience as well as 50 out of the 70 CPU's you must earn to maintain your certification within the next 4 years.

Be a Positive Influence

- + Call 520-5143 to request an application be mailed to you, OR go to the Xavier University website, <http://newsite.xula.edu/msti/>, to download and print the application.
- + Mail the application to: Xavier Math Fellows, Campus Box 198, Xavier University, New Orleans, LA. 70125 OR email it to bmacphee@xula.edu

Selected candidates will be invited for an interview. Following the interviews, 20 candidates will be selected as Xavier Math Fellows

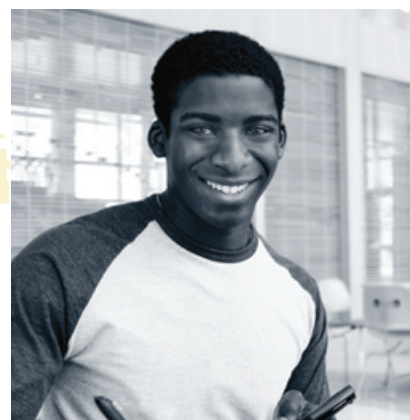
Program Contents

- + Designing an enriched curriculum aligned to Louisiana state assessments (LEAP tests)
- + A balanced approach to teaching mathematics:
 - + Computational fluency
 - + Conceptual understanding
 - + Problem-solving
 - + Mental math
 - + Application of mathematical skills
- + Formative assessment practices to help you know at all times what your students are learning and where their gaps are
- + Increasing student motivation and intellectual perseverance
- + Specific techniques for leading student discussions of mathematics, teaching students to write about mathematics, and helping students explain their mathematical thinking

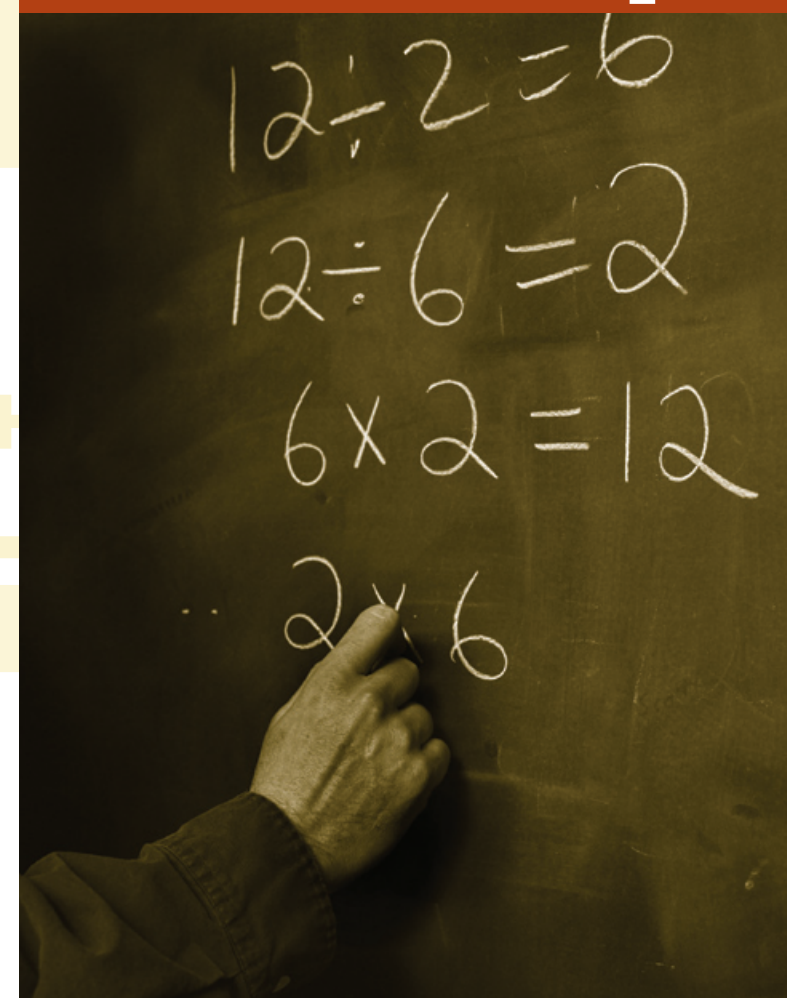
Program Participants

Xavier Math Fellows Program is designed and delivered by leading local, national, and international mathematics teachers and educators, including:

- + Cynthia Costello, former math department chair of New Orleans Charter Middle School, the first charter school in New Orleans and a school that closed the achievement gap in mathematics
- + Members of the Math Solutions team, founded by Marilyn Burns, one of the leading mathematics educators in the United States.
- + Lynn Cunningham, a leading mathematics educator from Great Britain, where she advises on national math strategy and is the Mathematics Director for ARK Schools.
- + Staff from Uncommon Schools, one of the leading charter school networks in the United States, with several non-selective schools in New York City, Newark, Boston, and Rochester that have demonstrated outstanding student achievement in mathematics.



It all adds up.



Are You Eligible? Xavier Math Fellows:

- + Teachers of 4th – 8th grade mathematics who have a deep commitment to closing the achievement gap for students in New Orleans.
- + Teachers who have been recruited to teach math and want to be effective mathematics teachers, whether or not they majored in mathematics in college.
- + Teachers who want to learn better strategies for teaching math to all their students, helping students with weak math foundations catch up and challenging students who are already strong in mathematics.
- + Teachers who feel a sense of urgency to have their students achieve at higher levels.
- + Teachers who will make a commitment to remaining as a teacher in a N.O. public school (charter, RSD, or OPSB) school for two years.

We encourage two or more teachers from one school to apply.

Xavier Math Fellows Program

A summer and school year professional development program designed to:

- + Promote high student achievement in and enthusiasm for mathematics by supporting 4th – 8th grade math teachers through developing their skills in curriculum design, instruction, and formative assessment.
- + Ensure the achievement of students significantly below their expected level in math by providing their teachers with the necessary resources and skills.