



National Science Foundation
Math and Science Partnership Program (MSP)
Rice University Mathematics Leadership Institute (MLI) for Houston ISD and Aldine ISD
LEAD TEACHER SELECTION CRITERIA

MLI Action Plan

The overarching goal of MLI is to identify, develop, and sustain a cadre of extraordinary school-based intellectual leaders in mathematics who are extremely well grounded in rigorous mathematics content and the latest research in mathematics pedagogy and with the effective leadership skills to ensure that the knowledge they gain is effectively shared with and used by other mathematics teachers at their schools to improve students' achievement and interest in mathematics.

Lead Teacher Selection Criteria

Lead Teacher Requirements

- at least three years of mathematics teaching experience at the high school level
- certification to teach high school mathematics
- overall rating of “exceeds expectations” in teacher evaluations for the previous three years
- willingness to teach at least one section of a mathematics course that novice teachers are generally assigned to teach (e.g., Algebra I)

Lead Teacher Attributes

- desire to be a lead teacher
- desire to learn more mathematics
- recognized as exhibiting exemplary student-centered teaching practices
- recognized by peers as a professional in the field of mathematics education
- committed to supporting colleagues
- demonstrates excellent interpersonal skills
- exhibits pride and enthusiasm for the teaching profession

Teachers who have served as team leaders or department heads, who have shown evidence of long-term commitment to their schools, and who have demonstrated the desire to maintain their knowledge of current practices in mathematics education through work in professional development programs (e.g., The Rice University School Mathematics Project) will be given consideration. Finally, teachers who have demonstrated the skills, knowledge and confidence to assume leadership roles in the two districts will be given top priority.

Every effort will be made to select lead teachers who reflect the ethnic diversity of the student population and teaching force of the two school districts.

Lead teachers must commit to remain at their schools at least throughout the duration of the grant and must be willing to consider pursuing the Texas Master Mathematics Teacher Certification through Region IV (to be paid for from NSF funds).