

Jr. STEM Fellow Criteria

Funded through the Board of Higher Education
Berkshire STEM Pipeline
in collaboration with



www.mcla.mass.edu/pipeline/

"The STEM Pipeline Fund was established through the state Economic Stimulus legislation. The STEM Pipeline fund seeks to improve teacher preparation in science, technology, engineering and mathematic (STEM) subjects and to increase the student interest in, preparation for, and success in STEM careers."

DATES: All appointments run from September 25 - December 31st, 2009

ELIGIBILITY:

- Be an undergraduate in good academic standing
- Have a valid drivers license

As a Jr. STEM Fellow, you will:

1. Participate in a semester-long **astronomy** fellowship using the **Starlab Inflatable Planetarium**. This frameworks-based experience provides undergraduates with science and math content (based on the MA State Science and Technology/Engineering Frameworks) through inquiry and project-based instruction.
2. Have opportunities to assist current STEM Fellow (teachers) with their classroom astronomy, math or science projects, create an astronomy presentation with the assistance of MCLA faculty. Have the opportunity to establish long-term working relationships with MCLA scientists, educators, science and math mentors. As a team you will engage in inquiry based science relevant to you, and the STEM Fellows and students.
3. Receive support from a STEM mentor as well as math and physics specialists who will work with you, the STEM Fellow (teacher) and students in the classroom. Undergraduates will spend out of classroom time preparing and designing inquiry-based projects or presentations, and classroom time implementing these projects or units with the use of **Starlab**. Assist in transporting the Starlab Inflatable Planetarium from MCLA to its destination. Receive a stipend in the amount of \$500.

Time Table:

September 25, 2008	Application deadline
September-October	Training
October-November	Planning/Classroom work
December	Classroom work/Presenation

MCLA Faculty and Staff:

Project-Based Instruction, Dawn Rodrigues, Education Department, MCLA
Astronomy and physics, Adrienne Wootters, Physics Department
Math and the stars, Christopher Thomas, Mathematics Department, MCLA
Project Coordinator, Lisa Provencher, Berkshire STEM Pipeline Coordinator
Project Investigator, Monica Joslin, Dean Academic Affairs, MCLA