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Lehigh Valley Partnership to Enhance Science, Technology, Engineering and Math (STEM) Education through G4-12 Teaching Fellows

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Abstract
The Lehigh Valley Partnership to Enhance STEM Education through G4-12 Teaching Fellows project puts graduate and undergraduate college students in grade four through twelve classrooms where they help to teach hands-on lessons about science, technology, engineering and math. Teachers, students, professors and industry partners work together to develop real world applications that supplement each classroom’s curriculum. The project has three primary objectives: to increase interest and learning in STEM
disciplines for women and under-represented minority G4-12 students; to instill in our Teaching Fellows a life-long awareness, appreciation and advocacy for G4-12 educational issues; and to provide our G4-12 STEM Teachers with training and resources to develop professionally by for example incorporating inquiry-based learning methods in STEM education.