

LOUISIANA STATE UNIVERSITY

Elementary School Cohort For The STEM Pathways

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INTRODUCTION

Elementary School Cohort/ LSU STEM Pathways

As part of our initiative to encourage STEM education while meeting the needs of Louisiana students at the elementary and middle school levels, the LSU STEM Pathways Project has created an Elementary School Cohort. Its purpose is to bring challenging and rigorous STEM modules and training into the K-12 setting that are both project-based and standards-oriented. The Elementary Cohort is a new pilot for the 2020-2021 school year. Teacher Leaders will be asked to join the pilot by district. It is envisioned that teachers will be trained in high quality STEM Modules for elementary students, that last from 2 days to 2 weeks in duration in the classroom environment.



WHY CHOOSE THE ELEMENTARY SCHOOL COHORT FOR LSU STEM PATHWAYS??

High Quality Project Based STEM Modules

High Quality STEM Modules will last from 2 days to 3 weeks. Each module will be project based, and all modules are designed to enrich and complement the already existing curriculum and standards. The modules will increase student interest and participation with engaging activities based around the curriculum standards. Modules are flexible for use before or after school as well as during the classroom environment.

Teacher Training

Teacher training leads to greater teacher and student understanding and use of STEM skills, while preparing students for middle school. In the initial pilot, teacher leaders will test and add to the modules, piloting their use in the classroom after training and providing feedback for revision. The initial training occurs during summer, with additional support and mentoring during the school year.

Funding

Funding for the class materials and training is the responsibility of the school district. If you are interested in becoming a pilot teacher, contact fneubrande@lsu.edu for more information