

## Using ROVs to Teach a Blended STEM Curriculum

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**Abstract :** Over the past year we have developed and implemented a blended STEM curriculum based on ROV (Remotely Operated Vehicle) underwater technology with over 300 students in grades 2-9. This paper presents an overview of the curriculum, what we have learned from the development and implementation, with suggestions of how to build a similar statewide ROV program, and how we will continue and enhance the effort this next year with more than 300 additional students. The benefits of the program are the application and blending of STEM principles using inquiry based instruction, where students have shown to increase in STEM self-efficacy and interest.

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