

HANDOUT FOR CLASS ACTIVITY 3.2. PART OF A GRANT PROPOSAL



Example Excerpt From Project Description

The goal of this pilot project is to plan, design, implement, and test a new model of learning environment that increases student interest and achievement in high school science.

This goal focuses on addressing the following challenges:

- How can students be presented the opportunity to learn significant STEM content in context of informal science?
- How can we engage the learners and provide high quality STEM education for students?
- How can we create new learning environments by infusing cutting-edge technologies that enhance learning experiences for a diverse student body?
- How can we create the strong and engaging content with interdisciplinary links?

The PAC-Involved pilot project will introduce and teach selected high school physics and astronomy topics in an engaging and novel way through the vehicle of repurposing popular sci-fi movies and TV shows to focus on science content.

The PAC-Involved pilot project seeks to meet students' needs in traditionally underserved and underrepresented schools where there is a lack of quality educational options. High school students from public high schools in an urban area (Washington Metropolitan Area Public School Systems) will be immersed in an innovative learning environment that PAC-Involved will create, which allows students to learn physics, astronomy, and cosmology in an investigative way, connect students with STEM professionals, and provide them with rich hands-on experiences related to science while utilizing the full potential that modern technology can offer.

Small Maps

Source: Howard University PAC-Involved Project.

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