



SOCIETY OF PHYSICS STUDENTS

An organization of the American Institute of Physics

Future Faces of Physics Award Proposal

Project Proposal Title	Future Face of Physics Trivia for Underrepresented Groups
Name of School	University of North Alabama
SPS Chapter Number	4815
Total Amount Requested	\$281.92

Abstract

The University of North Alabama SPS Chapter wants to promote physics and astronomy to women and other underrepresented demographics on campus by hosting a trivia night. Those who attend will participate in groups, promoting inclusivity and meeting new people. The trivia questions will be regarding advancements made by women and minority groups in the fields of physics and astronomy.

Proposal Statement

Overview of Proposed Project/Activity/Event

- Brief description – We will create a Kahoot or PowerPoint with various questions on the contributions that women and minorities have made in physics. The teams will be in groups of four, and the top scores will get various prizes from highest to lowest.
- Goals of the project – Our main goal is to share knowledge of minorities in physics to people in these underrepresented groups. In turn, letting them know that they can do anything they set their mind to despite not looking like the stereotypes in the field.
- Intended audience – Our intended audience is a couple of organizations we have reached out to on campus such as the Black Lioness Alliance. However, anyone on campus is welcome to join. Included in these clubs, are international students and disabled students as well as people of color.
- Background and motivation – We are building off of an event our campus library does. They often have a PowerPoint trivia night in teams. It draws in a large crowd especially when they have themed nights. We decided to take that and make the trivia questions about people in the physics field who often get overshadowed.

How Proposed Activity Promotes Physics Across Cultures

This project should be funded by the Future Faces of Physics Award because our trivia night will help bring awareness to under-represented groups in physics and astronomy and let members of these respective minorities know that we strive to create a field that is accepting and open to them and helping them succeed in advancing their knowledge of astronomy and physics.

Plan for Carrying Out Proposed Project/Activity/Event

- Personnel – The officers of our Society of Physics Students chapter as well as our faculty advisor, Dr. Blake, will be over the event. We will monitor our progress by making sure we have all the prizes, questions, and answer forms ready to go for the trivia night.
- Marketing – We will make posters for the event to post around campus. Our school has an app for all campus organization activities, and we will post the app there online also.
- SPS member participation – We will have all officers working and try to recruit a few volunteers from our chapter.
- Expertise – For this event, we will have Dr. Andrea Hunt, the Executive Director of the Mitchell-West Center for Social Inclusion on campus, speak on the struggles minorities face in school. She is our expert in the social aspect of how underrepresented groups are impacted.

Project/Activity/Event Timeline

An executive of our chapter will be meeting with Dr. Andrea Hunt, the Executive Director of the university's Mitchell-West Center for Diversity and Inclusion at the end of November to further discuss collaboration and set an exact date for the trivia night. We will need to order the needed prizes listed above by the second week of January 2023. We will make the presentation/question bank the week before our event. This trivia night will be held in late February 2023, during Black History Month. We will use the timeframe to our advantage and tie in advancements made by women and African Americans in the fields of physics and astronomy. We will be discussing and shining light on advancements in the fields by various women and other under-represented groups.

Activity Evaluation Plan

A success for us would be an event that is high in attendance and people are very interactive and competitive. This shows that they are very interested in the topic of the night. We hope to have the volunteers making easy conversation and learning themselves as individuals come to our planetarium. Promoting physics for all involves an activity that makes science fun and exciting.

Budget Justification

Most of our budget will go to prizes for each trivia round. The spherical cow stickers we will give to each attendee as a participation gift as well as a reminder of the Society of Physics Students. We tried to aim our prizes as things that would entrance people who do not know much about the field. The moon light is something that is trending currently; Newton's Cradle is a physics demonstration that anyone can do; posters are a common decoration; and adult coloring books are making a comeback. Each item, excluding the stickers, will go to groups of four based on their scores. Everyone in the team will get the prize. For example, if they are in the group in third place, all the people in the team would get the Curie Poster. **Our total funding request is \$281.92.**