

Outreach: More than Meets the Eye

OSA

The Optical Society

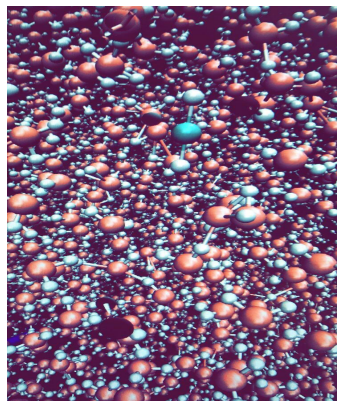
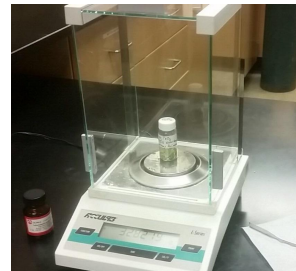
Brigette Smith



Brigette Ann Smith

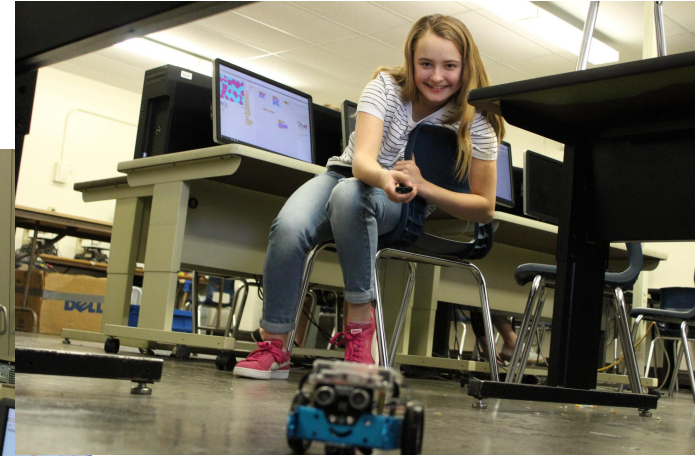


- ❖ Current student at Coe College
- ❖ Glass Researcher
- ❖ Computational Researcher
- ❖ Outreach Coordinator for Women in STEM
- ❖ The Optical Society 2018 SPS Summer Intern



What is Outreach?

- ❖ The provision of materials and opportunities to groups that may not have access to them.



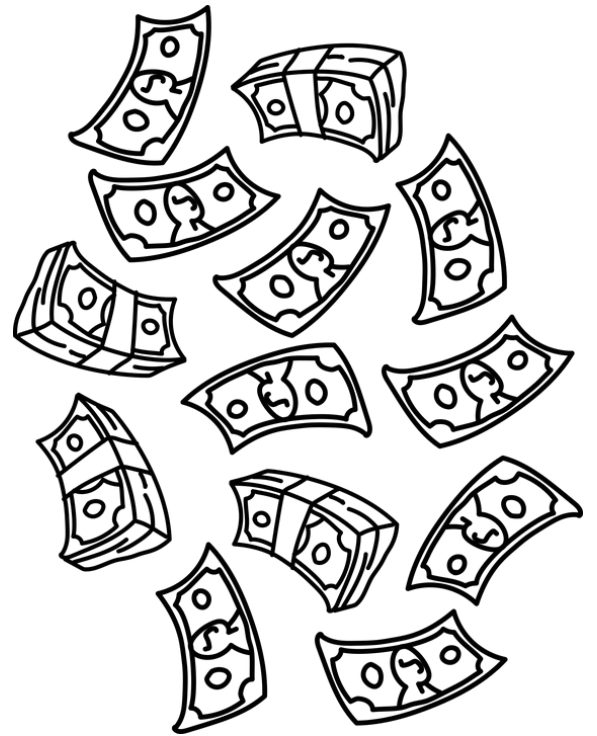
The pictures on this slide are from a program partially funded by the SPS Future Faces of Physics Award



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Special Program Grants

- ❖ Award letters
- ❖ Financial documents
- ❖ Assessing and closing follow up reports
- ❖ Organizing event photos



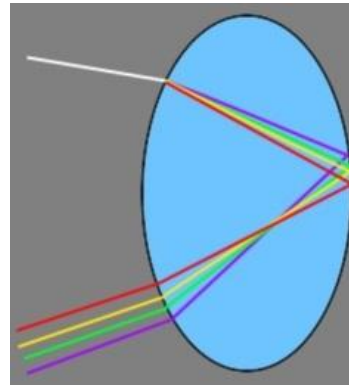
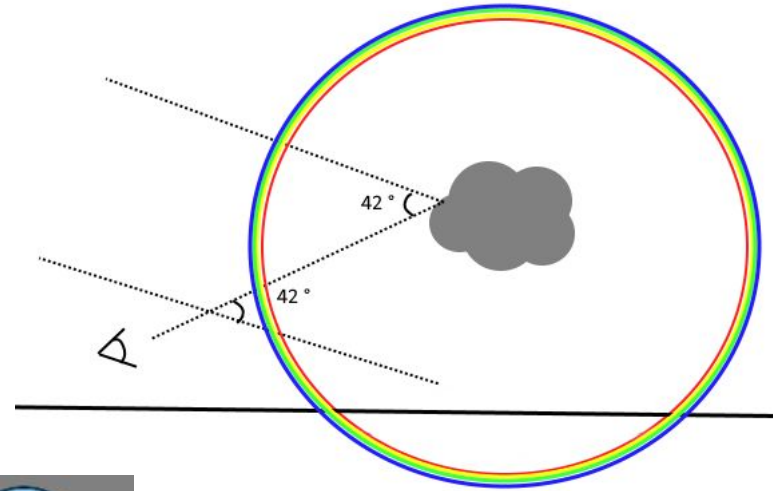
The Second Innovation School

- ❖ Preparing materials and venue
- ❖ Tabling/Greeting participants
- ❖ Catering



My Blog Posts

- ❖ *Rainbows: From Science to Activism*
- ❖ *Creating an Inclusive Environment in Science*
- ❖ *2018 Innovation School*



Optics4Kids Website

- ❖ Researching careers in Optics and Photonics and creating a Career Resource page
- ❖ Researching underrepresented historical figures in Optics

optics careers > career options

Academic

Work in an environment that is concerned with the pursuit of research and education.

- Teacher**
Teaches introductory to medium level courses to children
[EXPLORE](#)
- Professor**
Teaches high level courses at colleges and universities
[EXPLORE](#)
- Post Doc**
A temporary research position done after receiving a doctorate degree
[EXPLORE](#)
- Optics Laboratory Manager**
Manages laboratory at college or university
[EXPLORE](#)
- Physical Science Adviser**
Advising and mentoring students interested in pursuing a major in physical science
[EXPLORE](#)
- Scientific Journal Editor**
Review and evaluate journal submissions and start the peer review process
[EXPLORE](#)

Industry

Work involving commercial production of goods

- Optical Engineer**
Develops optical products
[EXPLORE](#)
- Manufacturing Engineer**
Ensures optimal manufacturing procedures
[EXPLORE](#)
- Ophthalmic Laboratory Technician**
Makes prescription eyeglasses and contacts
[EXPLORE](#)
- Field Service Engineer**
Travels to site to work on lasers
[EXPLORE](#)
- Fiber Optic Engineer**
Designs and manufactures fiber optic cables and their packaging
[EXPLORE](#)
- Chief Executive Officer**
Manages overall operations of a company
[EXPLORE](#)

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Government

Work that involves assisting the government in some way or that is federally funded

- National Laboratories**
Federally funded research centers founded for the purpose of scientific advancement and innovation
[EXPLORE](#)
- Science Policy Adviser**
Helps law makers and members of congress make scientifically informed decisions and policies
[EXPLORE](#)
- Federal Agency Program Manager**
Organizes and oversees programs with the intent of fulfilling the organization's mission
[EXPLORE](#)
- Communications Specialist**
Develops and coordinates communications both internally and externally
[EXPLORE](#)



Networking

- ❖ Collaboration opportunities
- ❖ Resource sharing
- ❖ Collect perspectives
- ❖ Allows you to be informed



Acknowledgements



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- ❖ Coe College Physics department



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