Professional Development, Curricula, and Teacher Support
A Summer with AAPT

Simon Wright
Mentor: Rebecca Vieyra
OSA Workshop
Writing Lesson Plans for the AAPT Summer Meeting

- Created 9 lesson plans that could be used from K-8
- Curriculum Development
- Working with Teachers
Lesson Plans on Optics for K-12

- Description
- Purpose
- Materials
- NGSS Connections
- Exercises/Activities
Next Generation Science Standards

Main Sections:

- Performance Expectations
- Science and Engineering Practices
- Disciplinary Core Ideas
- Crosscutting Concepts
OSA Workshop Lesson Plans

• 9 lessons
  – Light & Color
  – Geometric Optics
• K-8, with extensions to HS and beyond
• Easily modifiable
• Reference to NGSS
• Cheap/accessible materials
Other Projects

- Physics Master Teacher Leader Taskforce
- NASA Heliophysics Grant
- Bootstrap for Physics
- K-12 Portal
Acknowledgements

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