

# FREE PROFESSIONAL DEVELOPMENT FOR ARIZONA PHYSICS AND CHEMISTRY EDUCATORS

## QUANTUM + OPTICS TEACHERS WORKSHOP



Bring modern physics into your classroom through hands-on activities that make quantum ideas visible, practical, and engaging.

**AUGUST 10–13, 2026**

5:00–6:30 PM each evening

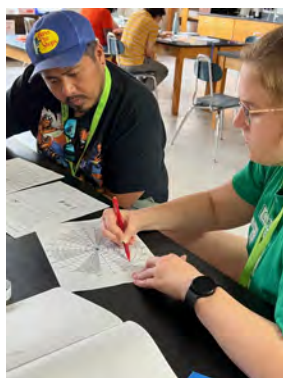
**TUCSON, ARIZONA**

Wyant College of Optical Sciences

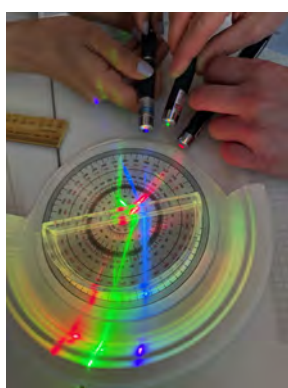
**Led by Karen Jo Matsler**

**BUILD IT. TEST IT. TAKE IT BACK TO YOUR CLASSROOM.  
STANDARDS BASED CONTENTS.**

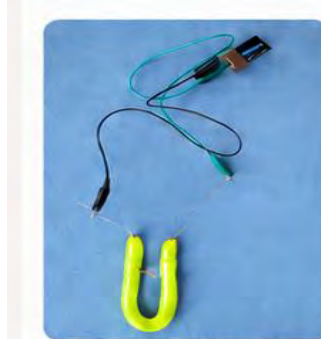
**MATTER AND ATOMIC  
STRUCTURE  
FROM STANDING  
WAVES TO BOHR  
MODEL**



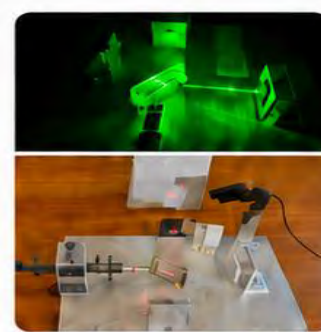
**REFRACTION &  
OPTICAL DENSITY  
FREQUENCY,  
WAVELENGTH AND  
SPEED OF WAVES**



**PLANCK'S  
CONSTANT  
ENERGY AND  
CONNECTION TO  
QUANTUM  
MECHANICS**



**SUPERPOSITION AND  
INTERFERENCE IN  
OPTICAL DEVICES  
QUANTUM  
PROPERTIES OF  
LIGHT**



**HANDS-ON • STIPEND PROVIDED • CLASSROOM DEMOS • DINNER INCLUDED**

**Participants receive a stipend for participation and demos for  
classroom use.**

### **WHO SHOULD ATTEND?**

High school physics, chemistry, and STEM educators. **Space is limited.**

Presented through a collaboration among the University of Arizona, Arizona State University, and Northern Arizona University.

### **QUESTIONS / REGISTRATION**

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