

# SPECTROSCOPY SOCIETY OF PITTSBURGH

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**To:** High School Administrator, Science Department Chairperson, or Science Teacher

**From:** Rich Pawlish, Committee Chairman

**Topic:** Now Accepting **High School Equipment Grant Applications** for 2008

**Date:** September 2007

**Background:** The Spectroscopy Society of Pittsburgh (SSP) is a non-profit organization dedicated to the promotion of science education. Spectroscopy generally deals with light and color interference and diffraction phenomena, line spectra, spectrophotometry and chemical analysis. This grant is to help foster the study of spectroscopy in high schools. Annually teachers are encouraged to submit proposals for equipment and supplies to accomplish this. Typically 50% of the proposals are funded.

**Who is eligible to apply for this grant?** Teachers who directly or indirectly employ spectroscopy in their curriculum are eligible. These are usually teachers of biology, chemistry, physics and general science. Public or private schools must be located in the SSP membership area. The geographical boundary map is on the next page.

**Are there any equipment restrictions?** Yes. Computers and calculators are generally not funded. However probes and various accessories can make a reasonable grant proposal.

**How is my proposal evaluated?** A committee assigns points to the following questions:

--How well does the proposal encompass some aspect of spectroscopy?

--How well does the requested equipment and learning outcomes support each other?

--How reasonable is the cost per student ratio?

--How does equipment need and financial background of this school compare to others?

--What is the school's grant history? (Recent grant recipients are given a lower preference.)

--What is the overall quality of the proposal?

The proposals are ranked and the awarded from the top-down until all funds are exhausted.

The outcome will be emailed to you in March 2008.

**When and how does the equipment arrive?** Funded equipment is shipped directly from the vendor in May 2008.

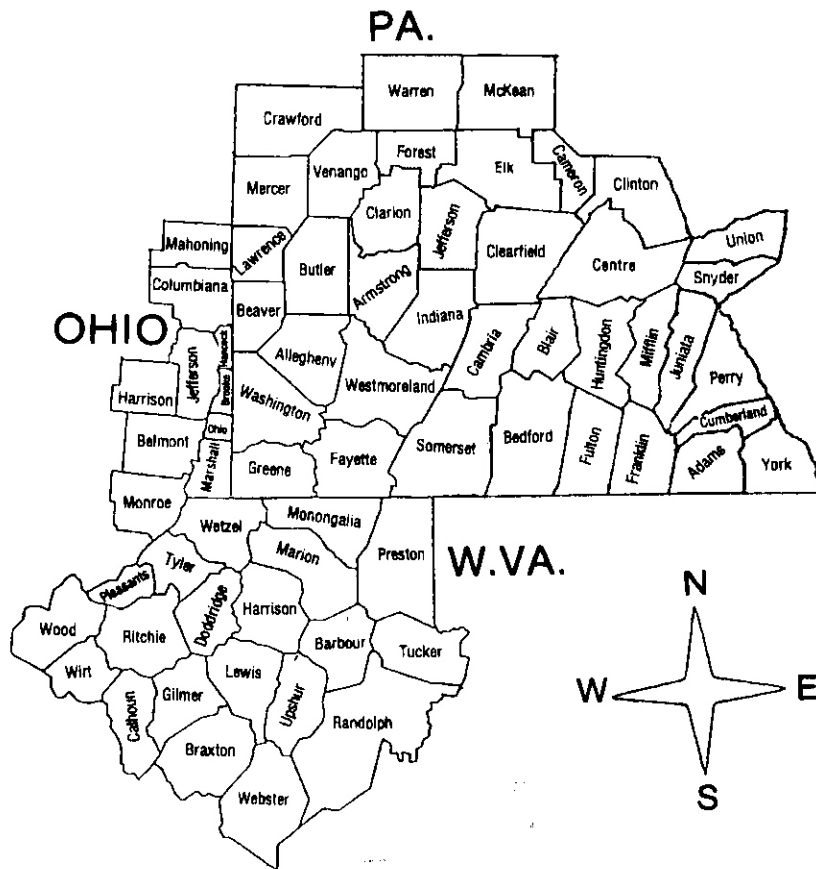
**Survey?** If funded, you will be emailed a short survey in the spring of 2009. We are looking for feedback. Was your program effective? Is our program effective? Etc...

**Application deadline?** December 15, 2007

**Questions?** Contact Rich Pawlish, Committee Chairman at [rpawlish@wpa.net](mailto:rpawlish@wpa.net) . Use subject block "SSP Grant Question".

## SSP Geographical Boundaries Map

PENNSYLVANIA			OHIO		WEST VIRGINIA	
Adams	Cumberland	Mercer	Belmont	Barbour	Ohio	
Allegheny	Elk	Mifflin	Columbiana	Braxton	Pleasants	
Armstrong	Fayette	Perry	Harrison	Brooke	Preston	
Beaver	Forest	Snyder	Jefferson	Calhoun	Randolph	
Bedford	Franklin	Somerset	Mahoning	Doddridge	Ritchie	
Blair	Fulton	Union	Monroe	Gilmer	Tucker	
Butler	Greene	Venango		Hancock	Tyler	
Cambria	Huntingdon	Warren		Harrison	Upshur	
Cameron	Indiana	Washington		Lewis	Webster	
Centre	Jefferson	Westmoreland		Marion	Wetzel	
Clarion	Juniata	York		Marshall	Wirt	
Clearfield	Lawrence			Monongalia	Wood	
Clinton	McKean					
Crawford						



The application follows.



# Spectroscopy Society of Pittsburgh (SSP) High School Equipment Grant Application for 2008

(PLEASE TYPE OR PRINT LEGIBLY)

Name & Address of School: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Teacher Name & Subject Taught: \_\_\_\_\_

Email: \_\_\_\_\_ School Phone Number: \_\_\_\_\_

Indicate the equipment or supplies you are requesting. Sometimes grants are partially funded. List requested items in **order of priority**. Indicate items that must be purchased together. Please use current prices.

**1.**  
Item # \_\_\_\_\_ Catalog # \_\_\_\_\_ Catalog Year \_\_\_\_\_ Page Number \_\_\_\_\_  
Quantity \_\_\_\_\_ Unit \_\_\_\_\_ Unit Cost \_\_\_\_\_ Total Cost \_\_\_\_\_  
Item Description \_\_\_\_\_  
Company Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Company Address \_\_\_\_\_

**2.**  
Item # \_\_\_\_\_ Catalog # \_\_\_\_\_ Catalog Year \_\_\_\_\_ Page Number \_\_\_\_\_  
Quantity \_\_\_\_\_ Unit \_\_\_\_\_ Unit Cost \_\_\_\_\_ Total Cost \_\_\_\_\_  
Item Description \_\_\_\_\_  
Company Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Company Address \_\_\_\_\_

**3.**  
Item # \_\_\_\_\_ Catalog # \_\_\_\_\_ Catalog Year \_\_\_\_\_ Page Number \_\_\_\_\_  
Quantity \_\_\_\_\_ Unit \_\_\_\_\_ Unit Cost \_\_\_\_\_ Total Cost \_\_\_\_\_  
Item Description \_\_\_\_\_  
Company Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Company Address \_\_\_\_\_

**4.**  
Item # \_\_\_\_\_ Catalog # \_\_\_\_\_ Catalog Year \_\_\_\_\_ Page Number \_\_\_\_\_  
Quantity \_\_\_\_\_ Unit \_\_\_\_\_ Unit Cost \_\_\_\_\_ Total Cost \_\_\_\_\_  
Item Description \_\_\_\_\_  
Company Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Company Address \_\_\_\_\_

**5.**  
Item # \_\_\_\_\_ Catalog # \_\_\_\_\_ Catalog Year \_\_\_\_\_ Page Number \_\_\_\_\_  
Quantity \_\_\_\_\_ Unit \_\_\_\_\_ Unit Cost \_\_\_\_\_ Total Cost \_\_\_\_\_  
Item Description \_\_\_\_\_  
Company Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Company Address \_\_\_\_\_

Overall Proposal Total: \_\_\_\_\_

What is the number of students involved and their grade level(s)?

Requested equipment or supplies should help students understand various aspects of spectroscopy. Describe experiment(s) that will be performed with this proposed grant and what is the central concept to be learned?

How would you teach these concepts without this grant?

Please list all equipment **currently** available for teaching any aspect of spectroscopy.

Describe your school's financial need for scientific equipment and supplies.

Mail **18 double sided copies** of this grant proposal by **December 15, 2007** to:

**Spectroscopy Society of Pittsburgh  
High School Equipment Grant Committee  
300 Penn Center Boulevard, Suite 332  
Pittsburgh, PA 15235-5503**

Teacher's Signature \_\_\_\_\_

Principal's Signature \_\_\_\_\_

Shipping Address \_\_\_\_\_

(A maximum of one page maybe attached to further clarify any aspect of your proposal.)