Science Outreach
A Skill-Builder for Undergraduates

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SPS SOCK Interns

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SCIENCE OUTREACH CATALYST KIT
Why is science outreach good for the public?
Why is science outreach good for students?
...to help students transform themselves into contributing members of the professional community...

-SPS Mission Statement
Improve Interpersonal Skills
• Develop verbal and non-verbal communication skills
• Practice problem-solving and decision making skills
Further Own Understanding
• Careful forethought and consideration of fundamental principles
• Challenging questions are asked
Create Community Relationships
• Makes science a community asset
• Investment in a scientist's career
How does SPS facilitate science outreach skill-building?
3-5 demonstrations
20-25 chapters served
$80 per box

1+ demonstration
100 chapters served
$20 per box

20 demonstrations
all 812 chapters served
$5 - $20 per demo
<table>
<thead>
<tr>
<th>Astronomy</th>
<th>Acoustics</th>
<th>Optics</th>
<th>General Physics</th>
<th>Mechanics</th>
<th>Electricity &amp; Magnetism</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eclipse Model</td>
<td>Straw Oboe</td>
<td>Variable Index of Refraction</td>
<td>Borate Glass</td>
<td>Density Column</td>
<td>Ferrofluids</td>
</tr>
<tr>
<td>Composition of the Universe</td>
<td>Fabric of the Universe</td>
<td>Polarization of Light</td>
<td>The Speed of Light</td>
<td>Egg Drop</td>
<td>Cell Phone Charger</td>
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<tr>
<td>Composition of the Universe</td>
<td>Fabric of the Universe 2</td>
<td>Reflection &amp; Refraction</td>
<td>Light Fountain</td>
<td>Egg Crusher</td>
<td>Homopolar Motor</td>
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<tr>
<td>Pinhole Projector</td>
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<td>Eddy Currents</td>
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</tbody>
</table>
spsnational.org/outreach

Thank you

Brad Conrad
James Merrick
Kerry Kidwell-Slak
Tracy Schwab
Gary White
Zakary Noel
Donna Hammer