



# SOCIETY OF PHYSICS STUDENTS

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Dear Sock Recipient,

7/26/2023

Welcome to the 2023-2024 Science Outreach Catalyst Kit (SOCK)! The theme this year is Eclipses, in preparation for the two solar eclipses coming up! There is an annular solar eclipse on October 14th, 2023 and a total solar eclipse on April 8, 2024. This kit is designed to be a full table set up at a Physics Outreach event for people of all ages.

What's in the SOCK?

Three awesome demos:

- 1.) Soda Straw Rocket
  - Rocket Body and Fins Printouts
  - 10 Straws
- 2.) Planet Deformation
  - 3 Pieces of Construction Paper
  - 1 Dowel Rod
- 3.) Explaining Eclipses
  - 1 Beach Ball
  - 1 Tennis Ball
  - 1 Ping Pong Ball
  - 3 Washers

100 Solar Eclipse Glasses

100 Solar Eclipse Cow Stickers

10 Bubbles

1 set of Table Cards

1 Thumb Drive containing:

- Copies of the Demo Write Ups
- Copies of the Table Cards
- Copies of the Demo Instructional Videos

Have fun!

*Emily Pavasars & Brad R. Conrad*

Emily Pavasars

SPS 2023 SOCK Intern

Brad R. Conrad, PhD

Director, Society of Physics Students (SPS) & Sigma Pi Sigma ( $\Sigma\Pi\Sigma$ )

