

SCIENCE ON WHEELS

Summer 2019 Library Programs

SCIENCE IS EVERYWHERE. SO ARE WE!

Pacific Science Center's Science On Wheels program is proud to bring the excitement of science, technology, engineering and math to your library! Like you, we are celebrating the 50th anniversary of the moon landing with offerings that feature fun, hands-on astronomy activities designed to enhance your library's 2019 summer reading program. Participants will also gain a greater understanding of the educational and career pathways associated with **aeronautics and space**.

Schedule individual sessions or combine them to create a larger event or series. Listed here is just a sampling of what Science On Wheels has to offer; for a complete list of programs, visit pacsci.org/science-on-wheels or call (206) 443-2925.

SCIENCE SHOWS

40-minute, interactive shows include audience participation and giant props to make science engaging and fun. Up to 400 participants.

Space Odyssey: Help our astronaut-in-training prepare for a trip to the moon! This show takes off with a mind-blowing demonstration about balloons in the vacuum of space. Contemplate the real size of the moon, investigate astronomy tools and cheer for one of your students as they race at the speed of light.

Super Cool Science Show: Discover what happens when things get super cool with liquid nitrogen! Watch as gases become liquids, liquids become solids and matter fizzes, freezes and flies.

PLANETARIUM

Bring our inflatable planetarium to your location for an astronomical show! Planetariums can be booked for a three-hour period with flexible scheduling for all ages and group sizes. Additional hours are available at reduced rates. Live Planetarium Shows allow for flexibility in the length and content of each show for various audiences. Science On Wheels educators will be your guides to the stars, planets, moons and space exploration this summer.

Visit pacsci.org/science-on-wheels to learn more about the planetarium requirements and see if it fits within your library program needs.



“The lesson was challenging enough to push the students to problem solve and use critical thinking skills, while not being so challenging as to discourage them. All students were engaged throughout the workshop, which showed that it was just the right balance.”

— Joyce M. in Bonney Lake



WORKSHOPS

50-minute, in-depth sessions can accommodate up to 24 participants.

AGES 4-8

Lighten Up: Our original story leads students in an exploration of the amazing properties of light as we experiment with a unique collection of objects and flashlights to learn about sunlight, reflection, rainbows and more.

Your Place in Space: Why is Earth a planet and Pluto a dwarf planet? Explore how astronomers classify objects in our solar system and create your own classification system!

AGES 8+

Lunar Logic: Why does the moon change shape? This workshop is an introduction to moon phases and lunar exploration. Listen to the voices of the Apollo 11 crew as an astronaut takes the first steps on the moon!

Plan It: Mars: Explore the science and mathematics behind planning space travel. Work with a team to design the next rover mission to Mars. Think like a NASA scientist to stay within budget and ensure the successful completion of your team's mission!

ALL AGES

Radical Robots: We explore other worlds with robots called rovers. Watch as your students use our robots to develop and optimize programs and complete challenges while discovering the world of robotics and basic program design.

Spectacular Spectra: What can astronomers learn about the lives of stars from rainbows? Using spectroscopic glasses, analyze star gases to learn about stellar composition and evolution. A dark space is needed for this colorful and enlightening workshop.

EXHIBIT SETS

Interactive science exhibits create an engaging "science playground" for all age participants to explore hands on at their own pace.

Space Odyssey: Launch your students on an amazing celestial journey. Explore meteorites, constellations and Jupiter's storms. Manipulate a robot arm and explore the Martian terrain. What would the Big Dipper look like from the other side of the universe? How much do you weigh on Venus? Find out answers to these questions and more!

Physics On Wheels: It's not magic; it's physics! Physics On Wheels will resonate interest in sound waves, generate excitement for electricity, use lenses to enlighten and more! Hear secrets from across the room, explore how sound vibrations travel, experiment with high and low pitched sounds and discover amazing phenomena from magnetism to magnification. Physics has it all: sound, light, electricity and motion!
In English and Spanish!



COMBINE AND SAVE

The more programming that we book, the less expensive that programming is for you. Many libraries combine planetarium experiences with our Space Odyssey exhibit sets for an entire family day of science explorations. Libraries that are close to each other save together. By booking the same program back-to-back with a neighboring library, both libraries can save on the cost of doing the program alone.

Our individual programs are surprisingly affordable. We will be happy to collaborate with you on a program that best fits your needs. For information on pricing and finding a program that best fits your needs and budget, visit pacsci.org/science-on-wheels, call (206) 443-2925 or email edprograms@pacsci.org.

FINANCIAL ASSISTANCE

Financial assistance may be available to support our goal to enable access for all. Discounts in pricing are based on the need of youth populations that are served. Financial assistance is available on a first come, first served basis. Call (206) 443-2925 to see if your program qualifies.