

# MAD SCIENCE WORKSHOPS MEET CUB SCOUT BADGE REQUIREMENTS!



Mad Science offers exciting hands-on workshops to help boys explore science!

To schedule a workshop for your troop:  
Call Mad Science at (916) 779-0390 or email  
info@madsciencesacto.com

## Wolf Badges

**Boys who have completed first grade and are under 8**

### Your Living World

A hands on ecology workshop discussing pollution

- Practice cleaning up an oil spill
- The Wolves will devise and test oil spill techniques in a mock oil spill. They will also explore the causes and remedies for acid rain through pH testing and monitoring methods.
- Satisfies requirement 7b

### Machine Power Arrow Point Trail

Learn about levers and pulleys and make their own.

- Explore incline planes and build a pair of scissor-lift pinchers
- Satisfies Elective 8

### Make it yourself Arrow Point Trail

- Build a functional model rocket to launch
- These are the voyages of young inquiring minds on a quest to discover Space! Their mission: to take an exciting look at planets, moons, comets, and the stars... to boldly go where bright young minds love to go!
- This workshop meets Elective 5.



## Bear Badges

**Boys who have completed second grade or are 9 years old.**

### Weather Arrow Point Trail

- This is an excellent introduction to the science of meteorology and the forces of nature. The Bears will be able to apply their newly acquired knowledge from this class when they experience the changes in weather that occur naturally everyday.

### Electricity Arrow Point Trail

- Discover the invisible fields surrounding magnets with our iron filings. Devise and perform experiments to test magnetic strength.
- Excite some electrons as you construct some serious circuits. Test various materials for conductivity with space-age plasma balls.
- This workshop will cover all requirements for this badge.

### Space Track Arrow Point Trail

- This workshop can be used as a primer for this track.
- Space... The Final Frontier is an excellent introduction to the science of astronomy and to the vastness of the Universe. Bears will explore the outer reaches of space and will understand why we continue our voyages of discovery to the Moon and beyond!

To schedule a workshop for your Pack:  
Call Mad Science at (916) 779-0390  
or email info@madsciencesacto.com

## Webelos

**Boys who have completed third grade or are 10 years old**

### Technology Group: Scientist

- Covers Bernoulli's Principle, Newton's Laws of Motion, Air Pressure, Crystal Formation, Center of Gravity, Optical Illusions and weather (fog).

### Outdoor Activity Geologist

- This workshop covers all of the material needed for the geologist badge.
- Recreate the process of rock formation and devise ways to identify and classify rocks and minerals. Experience the thrill of panning for gems; the gems you find, you can take home for further study and identification.

### Cub Scout Pricing:

Wolves and Bears:

- ♣ 60-minute workshop
- ♣ \$10.00 per boy (minimum of 15 boys)

Webelos Pins:

- ♣ 90-minute workshop
- ♣ \$13.00 per boy (minimum of 15 boys)

\*\*Travel fee may apply  
\*\*Badges are NOT included

Blue & Gold Ceremony packages also available!

combine 2 dens  
for even more science fun!