



Shoot for the

S.T.A.R.s!

Outshine The Rest

On The

STAR Science Test!

Prepare your school for proficiency on the S.T.A.R. science test.

All workshops feature hands-on, inquiry-based learning methodology, standards-based pre and post assessment tools, teacher resource packages and take home cards with at-home family science experiments. We provide all class materials and each student receives a take-home project that relates directly to each topic.



★★ STAR Power Pack: ★★

Little Dipper Pack (4th Grade Series)

Earth Science

Earthworks
Mineral Mania
Walloping Weather

Life Science

Ecosystem Explorations
Photosynthesis
Decomposers

Physical Science

Current Events
Mischievous Magnets
Watts-Up?



Big Dipper Pack (5th Grade Series)

Earth Science

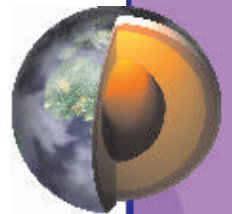
Planets & Moons
Space Phenomena
Walloping Weather
Black & Blue Oceans

Life Science

Body Basics
Cells
Photosynthesis

Physical Science

Chem-in-a-Flash
Dry Ice Capades
Junior Reactors
Matter of Fact
Electricity



Workshop Descriptions

Black & Blue Oceans – Discover our oceans, their content, their coverage and the impact of pollution in this hands-on look into the science of the sea! Problem-solve a real-life pollution solution and put teamwork into action.

Body Basics - Explore the amazing machine that can speak 48,000 words, move liquids 168,000,000 miles, and take in 3 pounds of food all in one day - your body!

Cells - This hands-on workshop provides students with an introduction to cell structure, including an understanding that cells are the building blocks of all living things, basic cell process and cell division.

Chem-in-a-Flash - Hop on the chemistry express for a high-speed science experience! Perform instantaneous experiments in this fast-paced class on reactions that go like mad! Pick up an Action Flask and perform some snappy chemistry experiments at home!

Current Events - Take a tour on the electron freeway! Conductors, insulators, and other elements in the world of circuit electricity introduce themselves to you via the tingle in your fingertips and the twinkle in your eye.

Decomposers - Introduce yourself to fungi, mushrooms, and our favorite decomposer - the WORM! Learn how they eat, see, move, and help people recycle. Receive a real worm to help you start composting at home.

Dry Ice Capades - Explore the three states of matter. Build a giant bubbling potion, carbonate plain drinking water, and create the same awesome smoke illusions used in the movies!

Earthworks - Take a voyage to the center of the Earth! We'll investigate the powerful processes that shape the planet and form remarkable rocks, magnificent minerals, and glittering gems! Children will take home sedimentary stackers that they made themselves.

Ecosystem Explorations - Investigate what an ecosystem is, where it can be found, and what it does. Challenge yourself to rid a "lake" of pollution and build several real ecosystems for the class to keep!

Electricity - Catch up on currents and learn how electricity flows! Build simple and parallel circuits as you explore the science of electricity.

Junior Reactors - Create a tiny world of atoms with your very own set of Atomic Coins! Learn to recognize chemical reactions and mix up a few reactive ingredients for some sensational results!

Mineral Mania - Become a geologist and dig into earth science in this hands-on look at the rocks and minerals that make up our planet. Discover how gold was discovered by panning for "gemstones!"

Mischievous Magnets - Experiment with the properties of magnets - see coins hide, and magnets float! Learn how magnets attract and repel each other and what magnetic fields are. Take home a magical floating paper clip!

Matter of Fact - Delve into the nuts and bolts of the universe as we explore molecules and how they are held together. Mix up a batch of your very own Mad Science Putty to take home.

Photosynthesis - How is a plant like a battery? Why do most plants appear to be green? Explore the process of photosynthesis and germinate your very own seeds to take home!

Planets & Moons - Explore the farthest reaches of our solar system and create a lunar eclipse in this "mad" planetary tour! Learn how the planets stack up. Build and take home Kepler's Cube, a 3-D solar system puzzle!

Space Phenomena - Probe the mysteries of meteors and bounce around satellite light in this phenomenal program on space events! See comets up close as one is formed before your eyes, and take home your very own Catch-a-Comet!

Walloping Weather - Why is it raining outside? How do thunder and lightning work? Explore these ideas and more as the wild and wacky science of meteorology unfolds in this hands-on look at our weather.

Watts-Up? - Learn about electricity, its properties and its role in natural phenomena. Make indoor lightning while conducting hair-raising experiments with our plasma balls!

... and more*!

*Programs subject to availability

We are the world's leading fun science provider!

Mad Science® is on a mission to spark the imagination and curiosity of children everywhere. We provide fun, interactive, educational programs that instill a clear understanding of what science is really about and how it affects the world around us.

Mad Science offers a large selection of after-school programs, assemblies, birthday parties, preschool programs, special events, vacation and summer programs, and workshops. From educational programs to educational entertainment, Mad Science sparks imaginative learning! All Mad Science programs are animated by highly-trained professional instructors, all equipment is provided—and we come to you!

www.madscience.org



**Sparking
Imaginative
Learning**

Get Kids Excited About Science!

CALL MAD SCIENCE TO BOOK YOUR WORKSHOP TODAY

Mad Science of Sacramento Valley

1804 Tribute Road Suite A. Sacramento, CA 95815

p: 916-779-0390 f: 866-846-3563

info@MadScienceSacto.com

www.MadScience.org/Sacramento