



Shoot for the

S.T.A.R.s!

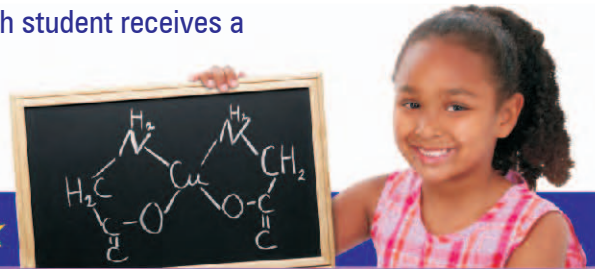
Outshine The Rest

On The

STAR Science Test!

Boost your students' 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 Package (4th Grade Series)

Earth Science

Earthworks
Mineral Mania
Under Pressure

Life Science

Body Basics
Decomposers
Ecosystems

Physical Science

Current Events
Magnificent Magnets
Watt's Up



Big Dipper Package (5th Grade Series)

Earth Science

Black & Blue Oceans
Space The Final Frontier
Walloping Weather

Life Science

Cell Basics
Inner Workings
Photosynthesis

Physical Science

Che-mystery
Dry Ice
Matter of Fact



Workshop Descriptions

Black & Blue Oceans - Oil can make quite a mess when it ends up where it isn't supposed to be. Cooperative groups plan and tackle the aftermath of a simulated spill.

Body Basics - Explore the amazing abilities and functions of the human body. See what happens when you breathe. Students make their own working model of a human lung.

Cell Basics - Investigate the building blocks of all living things. Use microscopes to view plant cells and learn their functions. Students make their own model cell.

Che-mystery - Explore the basics of chemistry. Make a crystal garden and create an amazing substance that has the properties of a liquid and a solid.

Current Events - Learn about current, conductors, insulators and the basics of electricity. Students make their own electroscope.

Decomposers - Conduct experiments with worms to learn the natural process of decomposition. Students take home their own pet worm.

Dry Ice - Explore the states of matter using frozen carbon dioxide. Turn water into ice in 30 seconds and create a giant bubbling potion.

Earthworks - Take a voyage to the center of Earth and investigate the powerful processes that shape our planet, move mountains and cause earthquakes! Students take home their own UV light detectors.

Ecosystems - Explore the natural interconnections of Earth's ecosystems. Conduct experiments to learn how sensitive our ecosystems are to external factors.

Inner Workings - Discover how the digestive, respiratory and circulatory systems work together to keep the body going strong. Students take home their own "digestor inspector".

Magnificent Magnets - Experiment with electromagnetic fields and investigate the properties and common uses of magnets. Students build their own magnetic puzzle.

Matter of Fact - Investigate the building blocks of the universe. Create model molecules, electroplate a nickel and make Mad Science putty.

Mineral Mania - Peek beneath Earth's crust and uncover its composition. Learn about volcanoes and earthquakes and find out how scientists classify and identify rocks and minerals. Experience the thrill of panning for gems.

Photosynthesis - Investigate the amazing process of photosynthesis and learn how plants and trees help us breathe. Young botanists take home their own mini-greenhouse.

Space...The Final Frontier - This voyage takes inquiring minds on a quest to discover space. The mission: take an exciting look at planets, moons, comets and stars. Young explorers make their own propeller-driven space orbiter.

Under Pressure - Uncover the science of aerodynamics and the properties of air. Suspend ping pong balls in moving columns of air. Students make their own wind generator.

Walloping Weather - Discover how thunderstorms and tornadoes form and how powerful they can be. Learn how air temperature affects weather. Young meteorologists take home their own mini-tornado.

Watt's Up - Explore the properties of electricity and examine its role in natural phenomena. Make indoor lighting with our electrostatic generator - a "hair raising" experience.

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 WORKSHOPS TODAY

Mad Science of San Diego

5555 Magnatron Blvd. Suite F, San Diego, CA 92111

Phone: (858) 505-4880 Fax: (858) 505-4888

mail@madsciencsd.com

www.madscience.org/sandiego