

TAKS Pak Program Descriptions

The TAKS Pak workshop series is designed to supplement your school's current science curriculum by using hands-on experiments and exciting demonstrations to introduce students to the four TAKS Elementary Science Objectives. Mad Science offers two Pak Programs: a Five-Week and a Ten-Week Program. The Five-Week Program is designed as an overview to highlight the topics found in each Objective. The Ten-Week Program offers more in-depth coverage of the specific skills listed in each Objective. At least two sessions are spent on each objective; multiple experiments and demonstrations convey the details of the four objectives.

The following Program Descriptions indicate how each hour-long session relates to the Objectives.

Five-Week Program

Detective Science – Discover how science is used to solve real crimes! Watch as the classroom is transformed into a crime lab for this exciting exploration of the fundamentals of forensics. Children will even take home their very own Child Identification Kit. It's so much fun, it's criminal!

Related TAKS Objective: 1

Energy Burst – Explore the energy of motion (potential versus kinetic energy) and how energy can be conserved. Build a rubber band-powered rattlesnake egg to help learn all about energy — and scare your friends.

Related TAKS Objective: 3

Exploring Ecosystems – Not all webs are made by spiders! See how plants and animals are connected and how they interact with their surroundings. Construct an Eco-Cube and take home your very own Journal so that you can continue your ecology adventures at home!

Related TAKS Objective: 2 and 4

Optical Illusions – Use a periscope while learning about optics, reflection and sight. Watch celebrity images change before your eyes. Make your own periscope to take home.

Related TAKS Objective: 3 and 4

Mad Science Machines – Peek into a class to watch elementary-age engineers hard at work with pulleys and levers. They will design, problem-solve and have a whole lot of fun! Students will even take home a cool Mad Science Machine that they built themselves!

Related TAKS Objective: 3



Ten-Week Program

In addition to the classes offered in our Five-Week Program, this Program offers more in-depth coverage of the TAKS topics.

Dry Ice – Explore the 3 states of matter. Turn water to ice in 30 seconds, build a giant bubbling potion, carbonate plain drinking water and create the same awesome smoke illusions used in the movies.

Related TAKS Objective: 1

Matter of Fact – Investigate the ingredients of the universe! Build your own marshmallow molecules! Play Alchemist by turning a nickel into gold (well, almost...) and use our secret formula to make your own Mad Science Putty!

Related TAKS Objective: 3

All About Animals – Feathers, fins, fur and more! Explore the animal kingdom and learn about the habitats, anatomy and life cycles of your favorite creatures. Make your own animal track to take home, experiment with camouflage and explore the amazing — and sometimes strange — sounds that animals make.

Related TAKS Objective: 2

Lights, Color, Action – Uncover the hidden components in ordinary light and build your own Newton's Color Wheel to prove it. Attend a spectacular chemical energy display!

Related TAKS Objective: 3

Earth Works – Take a voyage to the center of the Earth! We'll investigate the powerful process that shapes our planet and forms remarkable rocks, magnificent minerals, and glittering gems! Children will take home Ultraviolet Detectors which they build themselves!

Related TAKS Objective: 4

**Don't have a TAKS attack!
Book your TAKS Pak today!
(972)436-2500 or (972)724-3623**

*We also do birthday parties, summer camps, after school classes, special events, scouts and more!
Check us out on the web for more information at:*

www.madscience.org/dentoncounty or www.madsciencedallas.com

