



What's The Buzz?

Director's Message

We had a wonderful, fun filled nine weeks in the lab. The students learned about frogs, owls, the Amazon Rainforest, and took part in Body Walk. They are filled with Science knowledge already. But, we have only just begun. The next nine weeks we plan to continue to fill your child with lots of great information about Science. During the Human Footprint unit students will learn more about their impact on the environment, how we can be good stewards of the planet and what Scientist do to help and

protect areas that are effected by humans or natural disasters. We will have the students think about how they can reuse and recycle items within the home. We will discuss the effects of the Gulf Oil spill and what methods were and still are being used to clean up this area.

On October 6, 2010 we participated in the 4-H National Youth Science Day with millions of other youth across the nation. The Mississippi Extension Service sponsored this event for 100 students in our school.

I hope that your child has already shared with you information about the new animals in the lab. We currently have two Chinese Water Dragons, two Leopard Geckos, 2 American Tree frogs, 3 aquatic frogs, a hermit crab, a skink, fish and a visiting fire-bellied toad. Students will be voting on names over the next few weeks for all the new pets.

Lab Pictures

www.grenadaupper.org

Check them out!!

Facts: The Human Footprint

1. Each person in the U.S. creates about 4 pounds of garbage and trash daily. That fills 63,000 garbage trucks every day.
2. Today's global population is estimated at 6.6 billion people and is expected to rise to 9 billion by 2050.
3. Americans make up 5% of the world's population, own 30% of the world's cars and consume 25% of the world's energy.
4. Over a lifetime, each American throws away nearly 15 tons of packaging. Most of which end up in the ocean.
5. Over your lifetime, 12,000 oranges will travel 23 million miles to reach you.
6. Humans have influenced 83% of Earth's surface.
7. Over an average lifetime, each American will...
 - Burn 31,350 gallons of gasoline
 - Read 5,054 newspapers = 43 trees
 - Use 1.8 million gallons of water



Discovery Lab

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Animal Spotlight: Skink

Skinks look roughly like true lizards, but most species have no pronounced neck and sport relatively small legs. Skinks usually have long, tapering tails that can be shed and regenerated. Skinks are generally carnivorous and largely eat insects, including crickets, grasshoppers, beetles, and caterpillars. Many species are good burrowers. Most skinks are

diurnal (day-active) and typically bask on rocks or logs during the day. Young Skinks have a bright blue tail with color that fades with age. If seized by a predator its tail is deliberately cast and wriggles violently attracting attention while the lizard may escape. The tail will grow back with time but is often darker in color and misshapen. It will play dead, but this behavior is rarely

seen. Skink females construct nest chambers that are several centimeters deep in loose moist soil.

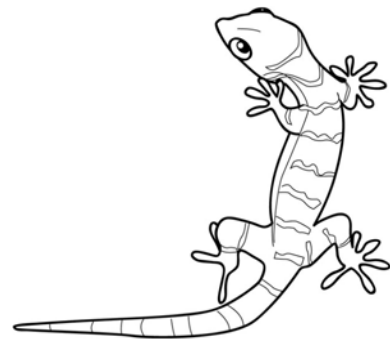


Animal Spotlight: Leopard Gecko

The **Leopard gecko** is a nocturnal ground-dwelling gecko naturally found in the deserts of Southern Central Asia, from the southern parts of Afghanistan, throughout Pakistan, to the northwestern parts of India. The native habitat of the leopard gecko is rocky, dry grassland and desert regions. Unlike most geckos, Leopard geckos possess eyelids. These geckos are

Insectivores that feed on insects, worms, and spiders. They shed their skin once a month on average as adults, but Babies will shed as much as twice a fortnight. Leopard geckos are ectothermic. They absorb warmth and energy during the day as they are sleeping, so they can hunt and digest food at night. Leopard geckos have openings on either side of their head as ears. A

tympanic membrane covers and protects it. They use their ears to locate their prey. Healthy leopard geckos have thick, fleshy tails.



Human influence on Earth can be positive or negative, benign or catastrophic. Recognizing this responsibility is the first step each of us can take to transform the human footprint and save the last of the wild.

-Dr. Eric W. Sanderson

AT GUES INVESTIGATIONS LEAD TO AMAZING DISCOVERIES

Congratulations!!

The following students were selected to take part in the
4-H National Youth Science Day on October 6, 2010

| | | | |
|-------------------|---------------------|------------------|-------------------|
| Aalyria Wright | Christina Fielder | Jordan Ratliff | Presley Caldwell |
| Aaron Ross | Christopher Gatlin | Kacey Carpenter | Presley Rice |
| Abigail Byars | Christopher Morgan | Kaitlyn Slade | Quinton Love |
| Adarius Harris | Colton Smart | Kashun Williams | Reed Madden |
| Adison Bell | Daniel Moore | Katie Tramel | Sabrina Ward |
| Adreyunna Edwards | Daundre Herron | Kayla Ringo | Sarah Manor |
| Alexus Spearman | Day-Day Tidwell | Kelsey Goff | Savannah Conway |
| Alyssa Bennett | Deantrell Long | Kennesha Brock | Savannah Correro |
| Amanda Simmons | Desiree Golden | Kenny Wiley | Savannah Nobles |
| Andrew Ferguson | Devin Guthrie | Keshawn Purnell | Seth Jackson |
| Angel Benefield | Dylan Smith | Kim Kangheng | Shaqvon Shipp |
| Angel Hervey | Gabriela Padron | Kody Causey | Shelby Moorman |
| Angela Badome | Hannah Whitfield | Kristin Salley | Summer Lee |
| Anna Francis | Iyonna Harges | Levi Dade | Swayze Johnson |
| Ashlee Hankins | Jacob Dickson | Lola Green | T'Erica Reece |
| Ashley Smith | Jakeddrick Robinson | Macie McCullough | Tabitha Doubleday |
| Bailey Marshall | Jakiya Hankins | Malik Jones | Taylor James |
| Baylee Miller | Jalen Stokes | Marissa Sparks | Taylor Pounds |
| Blake Morgan | Jamarcus Dunn | Marquevion Mack | Tiakka Wash |
| Blake Thornhill | Jamia Willis | Melissa Wiggins | Tiyana Melton |
| Bradley Terry | Jaquarrious Berry | Mickaeya Spencer | Trey Campbell |
| Calop Brown | Jared Barnes | Miel Smith | Tykerra Chambers |
| Cassie Ingram | Jasmine Swims | Monnae Willis | Webb Roberts |
| Cheyenne Fly | Jasmine Williamson | Myia Reed | William Rounds |
| Christian Cain | Jhamauri Johnson | Peyton Trotter | Zackisha Harris |

