

STEM ADVENTURE!

Animal Habitat



Welcome to the STEM Adventure!

We will be practicing language arts, science and math skills as we explore the outdoors. Be observers as we discover how animals use their environments to create their habitats. Discover more in the way you learn best with hands-on activities, on-air PBS KIDS programming and online resources. WITF and IUs 12, 13 and 15 wish you happy exploring!

Talk About It

How do living and nonliving things interact in their habitat? Talk to your child about how she adapts to her habitat. Ask, "What do you do to stay warm when it is cold outside?" and "What special tools do fish have to live underwater?" to prompt discussion. As you watch the programs, identify different ways that the creatures (frogs, beavers, etc.) adapt to their habitats. Do they have special tools? Do they do special things? Is their skin, fur, feathers different because of their habitat?

Key Vocabulary: Adaptation

Try It Out

After viewing one or more of the programs and reflecting on how animals have different ways of living in their habitats, create a pretend creature that has three adaptations that allow it to survive in a habitat you choose for it.

Materials: Paper, Pencil, Crayons

Extension: Create a 3D creature that can solve a problem in the environment or habitat. You can make up a problem to solve or choose a real challenge like litter or pollution.

Explore On-Air

Watch an episode of *Wild Kratts*.

Wild Kratts airs Monday - Friday on WITF TV at 7:30am and 12:30pm. You can also watch on WITFK 24/7 at 6pm and 6:30pm. The *Wild Kratts* episode you choose will help you explore animals and where they live.

Explore Online

Sci Girls Creature Features

<https://tinyurl.com/y8g9hk3k>

Nature Changer

<https://tinyurl.com/yxttseqr>

Nature Sketchpad

<https://tinyurl.com/yy8pqh9f>

You Could Be...

You could be a Conservation Officer!

A conservation officer is a law enforcement officer who protects fish and wildlife.



The Engineering by Design program is built around state and national standards that engage learners in authentic problem/project-based learning activities that build their understanding of Math, Science, Technology, Engineering and English-Language Arts while making sense of the world around them.



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Companion Site:

<http://bit.ly/PBSiu121315>

