

# STEM ADVENTURE!

## Animal Habitat



### What is STEM Adventure?

#### STEM

STEM stands for Science, Technology, Engineering and Math and though these sound like big, difficult ideas for young children, children are using these skills every day in play and discovery. Observing, measuring, making guesses, testing ideas, building things, and solving problems are natural to children at play. When we help children think and talk about what they are doing, we help support learning. By encouraging this kind of thinking, we are giving children the tools to be the innovators of tomorrow.

#### Adventure

We have created these project plans to allow your child to interact with the material in the way that feels best for him or her. You can:

- Watch a program on WITF
- Use online resources to support learning
- Read a book
- Talk with your child
- Do hands on activities (including extension activities to try more)
- Be active
- Learn about STEM Careers

#### 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.

#### How can you help?

- The supplies you need for each activity are all included in this kit. Keep materials together so you know where to find them each week.
- Talk with your child as you explore each plan. Ask your child to make guesses about what might happen next or what a program might be about based on word, pictures and ideas. Practicing making inferences helps children be effective readers.
- Ask them to explain the steps of what they are doing. Talking through a process helps children to become organized writers.
- After a program, a story or an activity, ask children to reflect on their guesses or inferences they had at first. What did they learn? What did they guess correctly? Reflecting on our experiences helps children make learning their own.
- Have fun! Model that learning about the world is fun and exciting!



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.



[witf.org/STEM](http://witf.org/STEM)

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Companion Site:

<http://bit.ly/PBSiu121315>