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!

Habitats

- A Beach for the Birds by Bruce McMillan
- A Place for Fish by Melissa Stewart
- The Quest for the Tree Kangaroo: An Expedition to the Cloud Forest of New Guinea by Sy Montgomery

Camouflage and Mimicry

- The Mixed-Up Chameleon by Eric Carle
- How to Hide a Butterfly & Other Insects by Ruth Heller
- Hide-And-Seek Science: Animal Camouflage by Emma Stevenson
- Animals in Camouflage by Phyllis Limbacher Tildes

Environment

- A House for Me by Mary Ann by Sy Montgomery

Nests

- Bird Builds a Nest by Martin Jenkins
- Mama Built a Little Nest by Jennifer Ward
- A Nest is Noisy by Dianna Hutts Aston

Adaptations

- What If You Had Animal Feet? by Sandra Markle
- Over and Under the Snow by Kate Messner

Underwater Habitats

- The Big Book of the Blue by Yuval Zommer
- Commotion in the Ocean by Giles Andrea
- The Quest for the Tree Kangaroo: Over in the Ocean in a Coral Reef by Marianne Berkes

Structure

- The Big Book of Birds by Yuval Zommer

Conservation

- Bird House by Libby Walden
- Buster Bear and the Bird House by Merrily Home

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.

Companion Site: