

Material List for Engineering Challenge

“ZOO-ineering” – Zoo Habitat Design Challenge - Tails are animal adaptations that help them to survive in an environment. Tails are used for balance, for climbing and hanging, for protection/defense, for mating, for swimming, for flying, and for communication. **Imagine that you are a structural engineer in charge of designing habitats and exhibits for tailed animals at a zoo.**

- Using the following materials, design and build a habitat for any animal that has a tail that is important for its survival (such as a monkey, a kangaroo, lizard, cat, etc)
- Materials:
 - Cardboard
 - Straws
 - Sheets of paper
 - Glue
 - String/yarn
 - Plastic wrap
 - Craft sticks
 - Items from outdoors, like twigs/small branches, leaves, rocks, etc.
- Explain how your habitat design helps the animal use its tail.