

FAMILY SCIENCE NIGHT

ADAPTATION CELEBRATION STATIONS

1. Biomimicry

Engineers often look to nature to help them design other things. See if you can engineer the best paper helicopter possible by referencing the fins, wings, and feet of other animals.



2. Bird Beaks

How do you think birds get their food? Explore how different beak adaptations can impact a bird's dietary habits.



3. Bone Detective

Use the skeletons from animals alive today to reconstruct the 3D printed bone structure of a prehistoric animal.



4. Ecosystems

Do you have what it takes to create the most successful ecosystem?



5. Bug Eyes

Try out how and why other animals see the world differently than we do, rather than be with one eye or many, in technicolor or in black and white.



6. Sticky Tongues

How many bugs do you think you could catch if you had a tongue like a frog?



7. Invasive Species

Frantic for food? Discover what happens when an invasive species takes over an ecosystem and see if you can help save it.



8. Life Cycles

Non mammals have a life cycle that is very different from our own. See if you can help our animals transform from juveniles to adults by placing the life cycle in the correct order.



9. Animal Imitation

Use your senses to distinguish between dangerous and delicious. Will you be fooled by the imitation?



10. Rule of Thumb

Experience how animals without opposable thumbs perform everyday tasks, do you think you can do it, too?



11. Tooth Sleuth

Investigate the characteristics of different animals and how they use their teeth to survive.



12. Webbed Feet

Test out different types of fins and flippers to see what type of animal can travel through water best.



13. Designer Ears

What animal do you think can hear best? Design your own set of animal ears that you think will optimize your hearing abilities.



14. Penguin Parade

Explore how these flightless birds stay warm and dry in frigid cold and icy waters of Antarctica by creating your own waterproof, feathery friend.



15. The Perfect Animal

Think about all of the adaptations that you have explored during the Family Science Night. Draw a picture of your discovery on shrinky dink film and turn it into a necklace to take home.