

Handout - North Carolina Science Museum Scavenger Hunt - ANSWER KEY FOR DAD

Over the next 75 minutes, work with your partner and your Dads to answer the following science scavenger hunt questions. If you can complete at least one Floor Specific Tic Tac Toe Board AND the Silly Selfie Tic Tac Toe Board, you qualify for a special "Terror of the South" science museum patch for your vest!

First Floor Tic Tac Toe Board

Complete Tic Tac Toe by answering three questions in a row, horizontally, vertically or diagonally. You may also complete Tic Tac Toe by answering the four corner questions.

<p>Why do Blue Marlins -- a primary predator in the oceans off of North Carolina -- swallow their prey whole?</p> <p>Answer: They have no jaw teeth.</p>	<p>What animal carries sponges -- or bundles of eggs -- from the shore into the sea in order to reproduce?</p> <p>Answer: Ghost Crabs</p>	<p>What makes Fox Squirrels different from Tree Squirrels?</p> <p>Answer: Fox squirrels spend most of their time on the ground.</p>
<p>Like lightning bugs, many marine animals bioluminesce -- or produce their own light. What are three reasons that animals bioluminesce?</p> <p>Answer: To find food, attract a mate or confuse their predators.</p>	<p>Learn an interesting fact and share it with your Dad.</p> <p>Answer: Varies</p>	<p>Find the skeleton of the Blue Whale hanging from the ceiling. Estimate how long it is. Then, starting at the head, check your estimate by counting the number of steps that it takes to get from one end to the other.</p> <p>Answer: Varies. Blue whales can grow, however, to be up to 100 feet long.</p>
<p>Which tiny animal is small enough to pass through the eye of a needle but essential to the survival of all other marine animals?</p> <p>Answer: Phytoplankton</p>	<p>Why are the rings on Bald Cypress trees so close together?</p> <p>Answer: They live in Black Water swamps, which have poor nutrients.</p>	<p>Find the Saltmarsh Grasses. Name two things that they do to help the animals of Coastal Carolina.</p> <p>Answer: They provide shelter and they become an important food source after they die.</p>

Second Floor Tic Tac Toe Board

Complete Tic Tac Toe by answering three questions in a row, horizontally, vertically or diagonally. You may also complete Tic Tac Toe by answering the four corner questions.

<p>Which blood red stone was used as bullets by Native Americans who believed they would cause more deadly wounds in their enemies?</p> <p>Answer: Garnets</p>	<p>Which animal lays more eggs: Leopard Frogs or Spotted Salamanders?</p> <p>Answer: Leopard Frogs lay 4,000-5,000 eggs. Salamanders lay 60-100 eggs.</p>	<p>Which highly intelligent, adaptable and cute mammal will eat anything from grapes to grasshoppers?</p> <p>Answer: Racoons -- who will also poop on the porch of your cabin if you make them mad enough!</p>
<p>Which common mineral can be found in many different colors -- including pink, yellow and purple?</p> <p>Answer: Quartz</p>	<p>Learn an interesting fact and share it with your Dad.</p> <p>Answer: Varies</p>	<p>Which bird has a four inch barbed tongue that helps it to spear its prey.</p> <p>Answer: The Woodpecker</p>
<p>Name the four "ingredients" in soil.</p> <p>Answer: Air, water, weathered rock and organic material.</p>	<p>Which sneaky bird removes eggs from the nests of its neighbors and then replaces them with their own eggs?</p> <p>Answer: Cowbirds</p>	<p>Which green gemstone is North Carolina's state gem?</p> <p>Answer: Emerald</p>

Third Floor Tic Tac Toe Board

Complete Tic Tac Toe by answering three questions in a row, horizontally, vertically or diagonally. You may also complete Tic Tac Toe by answering the four corner questions.

<p>What is unique about a snake's ears?</p> <p>Answer: They have no external openings.</p>	<p>What is North Carolina's smallest rattlesnake?</p> <p>Answer: The Carolina Pygmy Rattlesnake</p>	<p>Instead of using their noses, snakes smell with their _____.</p> <p>Answer: Tongues</p>
<p>Which snake often bluffs its predators by rolling on its back, opening its mouth and faking death?</p> <p>Answer: The Eastern Hognose Snake.</p>	<p>Learn an interesting fact and share it with your Dad.</p> <p>Answer: Varies</p>	<p>True or false: You can tell the age of a rattlesnake by counting the number of segments on its rattle.</p> <p>Answer: False</p>
<p>What is North Carolina's largest venomous snake?</p> <p>Answer: The Eastern Diamondback Rattlesnake</p>	<p>How are a snake's teeth uniquely designed to help it eat?</p> <p>Answer: They are curved backwards to keep prey from escaping.</p>	<p>Name three ways that snakes subdue their prey.</p> <p>Answer: Constriction, venom, swallowing them alive.</p>

Fourth Floor Tic Tac Toe Board

Complete Tic Tac Toe by answering three questions in a row, horizontally, vertically or diagonally. You may also complete Tic Tac Toe by answering the four corner questions.

<p>What percentage of animal species are arthropods?</p> <p>Answer: 75%</p>	<p>What do we call arthropods with wings?</p> <p>Answer: Insects</p>	<p>Maine lobsters lay 10,000 eggs. How many of those eggs will survive for longer than one month?</p> <p>Answer: 10</p>
<p>How long does it take for a caterpillar to go from an egg to a full grown, adult butterfly?</p> <p>Answer: 30 days.</p>	<p>Learn an interesting fact and share it with your Dad.</p> <p>Answer: Varies</p>	<p>Which animal curls up and releases a poisonous gas when it is threatened?</p> <p>Answer: The Giant Milipede</p>
<p>What arthropod does a headstand into the sun in order to stay cool?</p> <p>Answer: Dragonflies</p>	<p>What body feature does the Bird Eating Spider use to hunt its prey?</p> <p>Answer: Its body hair -- which it uses to sense vibrations made by nearby prey.</p>	<p>How many different species of arthropods are there in the world?</p> <p>Answer: 1.6 million</p>

Silly Selfie/Neat Fact Tic Tac Toe Board

Complete Tic Tac Toe by answering three questions in a row, horizontally, vertically or diagonally. You may also complete Tic Tac Toe by answering the four corner questions.

<p>Take a silly selfie with -- and learn a neat fact about -- a Hissing Cockroach.</p> <p>Location: Fourth Floor</p>	<p>Take a silly selfie with -- and learn a neat fact about -- a meteorite.</p> <p>Location: Second Floor</p>	<p>Take a silly selfie with -- and learn a neat fact about -- a Giant Ground Sloth.</p> <p>Location: Third Floor</p>
<p>Take a silly selfie with -- and learn a neat fact about -- a seahorse.</p> <p>Location: First Floor</p>	<p>Take a silly selfie with -- and learn a neat fact about -- the largest venomous snake in North Carolina.</p> <p>Location: Third Floor</p>	<p>Take a silly selfie with -- and learn a neat fact about -- a Longnose Gar.</p> <p>Location: Second Floor</p>
<p>Take a silly selfie with -- and learn a neat fact about -- a Greater Siren.</p> <p>Location: Second Floor</p>	<p>Take a silly selfie with -- and learn a neat fact about -- a seahorse.</p> <p>Location: First Floor</p>	<p>Take a silly selfie with -- and learn a neat fact about -- a Megalodon Jaws.</p> <p>Location: First Floor</p>