



Tennessee Aquarium Outreach Curriculum Map '21-'22

Outreach programs range from 45 min.-1 hr. and can be conducted on aquarium grounds or in your classroom. Each program was designed for the recommended grade levels based on state standards, however several can be modified on request for your grade/age group. Please feel free to ask questions or further describe what you would like your group to gain from this experience in the form's comment section.

GENERAL AUDIENCES

Program Name	Description	Grade Level	Standards
Animal Encounter	Participants will observe and interact with 3-4 animal ambassadors while learning about their amazing adaptations and native habitats . Can only be done for the following groups of organisms: insects, amphibians, reptiles, and marine invertebrates. <i>Some groups may be mixed depending on availability.</i>	N/A	---
Shaping Our Oceans	Join us as we explore different levels of life within our oceans and our connections with the Gulf of Mexico . Participants will discover how we affect our oceans while living hundreds of miles from the coast and will meet some of our ambassador animals along the way!	<i>Can be modified to hit certain standards regarding adaptations and environmental impact.</i>	TN: 4.ESS3.2 GA: S2F3; S3L2; S7L4 AL: SCI.5.10.2; SCI.6.15.2; SCI.6.15.3; SCI.6.16.4; SCI.7.6.4
Speaker Presentation	Invite Aquarium staff to your classroom or event to allow participants an opportunity to ask questions . These presentations are available on the topic of your choice such as conservation and career pathways. This program is based on availability of someone with the appropriate knowledge of requested topic.	N/A	---

ELEMENTARY

Alive or Not?	How do we determine if something is alive or not ? Participants will interact with bio-facts and ambassador animals in search of evidence of feeding, breathing, movement, reaction to the environment, and reproduction to determine if something is alive or not.	K-1st	TN: K.LS1.2; 1.ETS1.1 GA: SKL 1 AL: SCI.K.3.1-4
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I Got Your BACK	Participants will explore the adaptation of the backbone! They will work together to build animals and put those adaptations to the test.	K-1st	TN: --- GA: SKL2 AL: SCI.K.3.3; SCI.1.5.2
Life Cycles	Are all seeds distributed the same? Do all animal offspring look like the adults? Participants will explore multiple life cycles seen through plants, insects, and amphibians and meet some of our young and adult animal ambassadors.	2nd-3rd	TN: 2.L21.3 GA: S2L1; S3E2 AL: SCI.3.6.1; SCI.3.6.2; SCI.2.6.2; SCI.3.9.1; SCI.3.8.2
Wing It	Participants will explore the adaptation of flight! They will work together to build animals and put those adaptations to the test.	2nd-4th	TN: 3.LS4.1; 4.LS2.5 GA: S3L1 AL: SCI.3.7.3-4; SCI.3.11.2
Name Game	How do scientists decide what group an animal belongs to and what tools do they use? Participants will use an animal's physical adaptations to classify them while utilizing dichotomous keys. Then using their new knowledge they will identify some of our live animal ambassadors!	2nd-5th	TN: 2.LS1.2 GA: S5L1 AL: SCI.3.7.2-3
Decomposers, Producers, & Consumers, Oh My!	Who is eating who and why is that important? Participants will play a food web game that explores trophic levels and how they can be broken or changed over time.	3rd-5th	TN: 3.LS2.4; 3.LS4.3 GA: S4L1 AL: SCI.5.14.1; SCI.5.15.1-3
Eat Like a Fish	Participants will explore the different types of fish mouths and where the fish eat in the water column! Participants will work together to build these mouths and put those adaptations to the test.	3rd-5th	TN: 3.LS1.1; 3.LS4.1-2 GA: S3L1 AL: SCI.3.7.3-4; SCI.3.11.2
Stream Scene	Dive into your local stream and meet the critters who call it home. Participants will play a game to understand our environmental impact on local streams and creeks and what they can do to help.	3rd-5th	TN: 3.LS4.3; 4.LS2.4 GA: S3L2; S5L4 AL: SCI.5.10.2

MIDDLE

<p>Eat Like a Fish</p>	<p>Participants will explore the different types of fish mouths and where the fish eat in the water column! Participants will work together to build animals and put those adaptations to the test.</p>	<p>6th-7th</p>	<p>TN: 7.LS1.6 GA: --- AL: SCI.7.11.4</p>
<p>Decomposers, Producers, & Consumers, Oh My!</p>	<p>Who is eating who and why is that important? Participants will play a food web game that explores trophic levels and how they can be broken or changed over time.</p>	<p>6th-8th</p>	<p>TN: 6.LS2.1; 6.LS2.4; 6LS4.1 GA: S7L4 AL: SCI.7.6.1-5</p>
<p>Name Game</p>	<p>How do scientists classify animals and what tools do they use? Participants will use an animal's physical adaptations to classify them while building a cladogram. Then using thier new knowledge they will identify some of our live animal ambassadors!</p>	<p>6th-8th</p>	<p>TN: 8.LS4.3 GA: S7L1 AL: SCI.7.15.2; SCI.7.16.1</p>
<p>Stream Scene</p>	<p>Dive into your local stream and meet the critters who call it home. Participants will play a game to understand our environmental impact on local streams and creeks and what they can do to help.**</p>	<p>6th-8th</p>	<p>TN: 6.LS2.1; 6.LS2.4; 6.LS4.1 GA: S6E6 AL: SCI.6.15.2; SCI.6.16.4-5; SCI.7.9.1-2</p>