Tennessee Aquarium Virtual Curriculum Map '22-'23

Virtual programs range from 45 min.-1 hr. 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.

Program Name	Description	Grade Level	Standards
GENERAL AUDIENCES			
Animal Enounter	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. *Some groups may be mixed depending on availability.*	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!	*Can be modified to hit certain standards regarding adaptations and environmental impact.*	**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 observe **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
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

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 thier new knowledge they will identify some of our animal ambassadors!	2nd-5th	**TN:** 2.LS1.2 **GA:** S5LI **AL:** SCI.3.7.2-3
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			
Name Game	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 animal ambassadors!	6th-8th	**TN:** 8.LS4.3 **GA:** S7L1 **AL:** SCI.7.15.2; SCI.7.16.1
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.	6th-8th	**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
HIGHSCHOOL			
Serve & Protect	Through a fishing simulation, participants will take part in **"the tragedy of the commons"** and explore how technology, population growth, and sustainable practices impact fish catches and fisheries management.	9th-12th	---
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.	9th-12th	---