

## Aquatic Science Parent Guide

Aquatic Science provides an understanding and awareness of fresh and saltwater systems. Topics of study include aquatic systems and their habitats, cycles within an aquatic environment and adaptations of aquatic organisms, watersheds, geological phenomena, and fluid dynamics. Students conduct field and laboratory investigations, gather complex quantitative and qualitative data, and make conclusions based on data analysis. Emphasis is placed on independent lab skills and critical thinking skills. Students study a variety of current topics that revolve around societal questions and how humans have influenced aquatic environments. Texas Essential Knowledge and Skills for Aquatic Science [§112.32. Aquatic Science](#)

**1<sup>st</sup> 6 Weeks:**

Introduction to Aquatic Science  
Water is life  
The ultimate recyclable  
Watersheds and the land

**4<sup>th</sup> 6 Weeks:**

Wetlands  
Bays  
Estuaries

**2<sup>nd</sup> 6 Weeks:**

Living in the water  
From sun to sunfish  
Aquatic systems of Texas

**5<sup>th</sup> 6 Weeks:**

Oceans – Gulf of Mexico  
Oceans – Global  
Marine Organisms

**3<sup>rd</sup> 6 Weeks:**

Aquifers and springs  
Streams and rivers  
Lakes and ponds

**6<sup>th</sup> 6 Weeks:**

Fishing for conservation  
Water for people and the environment  
Human activities impact on aquatic environments

**Questions?** Please contact your course science teacher.