

CFISD Aquatic Science

Scope and Sequence 2024-2025

Course Description:

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including natural and human impacts on aquatic systems. Investigations and field work in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science acquire knowledge about how the properties of water and fluid dynamics affect aquatic ecosystems and acquire knowledge about a variety of aquatic systems. Students who successfully complete Aquatic Science conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills

Texas Essential Knowledge and Skills: Aquatic Science TEKS

Instructional Units	Days**	Date Range	
First Semester	81	Start Date	End Date
1st Grading Period			
Unit 1: Influence of Water	15	Aug. 19	Sept. 9
Unit 2: Aquatic Ecosystems	14	Sept. 10	Sept. 27
Unit 3: Sources of Water	14	Sept. 30	Oct. 18
2nd Grading Period			
Unit 4: Oceanography & Currents	18	Oct. 21	Nov. 15
Unit 5: Climate & Weather	20	Nov. 18	Dec. 20
Second Semester			
Second Semester	92	Start Date	End Date
3rd Grading Period			
Unit 6: Life Zones & Aquatic Plants	20	Jan. 7	Feb. 4
Unit 7: Aquatic Verts. & Inverts.	21	Feb. 5	Mar. 7
4th Grading Period			
Unit 8: Human Impacts	25	Mar. 17	Apr. 22
Unit 9: Aquatic Careers	26	Apr. 23	May 29

**The length of each unit is a specific number of days, but it is understood that there is a range of +/- a day. The purpose of the flexibility is meant to allow teachers the opportunity to plan for the needs of their students and to accommodate re-teaching or review when necessary. If pre-assessment indicates student mastery could be obtained in a fewer number of days, the additional time could be used for extension or carried into the next unit.

Instructional Material(s):

National Geographic Oceanography:

An Invitation to Marine Science

Garrison, Ellis

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