

2023-2024 Aquatic Science Year-At-A-Glance

Unit Title	Student Expectations	Suggested Instructional Days
1st Nine Weeks: August 22 – October 13 First Nine Weeks Exam Window: October 10-13		
Unit 1: Introductions, Lab & Field Safety, Interactive Notebooks, Field Guide Introductions	Process TEKS	8
Unit 2: Water Quality Properties, Parameters, and Quality	4A/B/C, 5B, 6A, 7A/B, 8A	7
Unit 3: Greater Houston Aquatic Systems: Galveston Bay, Estuaries, Wetlands, Salt Marshes, Bayous	4A/B, 5A/B/C/D, 9 A/B, 12 A/B/C/D	13
Unit 4: Cycles: Water, Nitrogen, Carbon	4A/B, 5A/B, 6A, 8A, 9C	5
2nd Nine Weeks: October 17 – December 16 First Semester Exam Window: December 12-15		
Unit 5: Marine Systems: Tides and Waves	4A/B, 6A, 8B	11
Unit 6: Marine Systems: Currents	4A/C, 6A/B, 8A/B	10
Unit 7: Oceanic Divisions & Bathymetric Mapping Project	4A/C, 9B/C	9
Unit 8: Excel: Tables, Graphs, & Data Analysis	4C, 5A/B, 6B, 7C	4
3rd Nine Weeks: January 8 – March 8 Third Nine Weeks Exam Window: March 4-8		
Unit 9: Autotrophs: Phytoplankton, Algae, & Seagrasses	4A, 5C/D, 10 A/B, 12A/C/D	11
Unit 10: Invertebrate Aquatic Life – 7 Phyla & Dissections	4A/B, 5C/D, 7A/B/C, 8C, 9A/B	25
4th Nine Weeks: March 18 - May 30 Second Semester Final Window: May 28-30 (seniors test early)		
Unit 11: Vertebrate Aquatic Life – Bony & Cartilaginous Fish & Dissections	4A/B, 5D, 10A/B/C, 11A/B, 12E	17
Unit 12: Vertebrate Aquatic Life – Marine Mammals	4A/B, 5D, 10B/C, 11A/B, 12E	8
Unit 13: Human Interactions & Impacts	4A/B, 5D, 12 A/B/C/D/E	10
Unit 14: Marine Debris & Plastics: End of the Year Project	12A/	10

Process skills should be embedded into instruction throughout the school year (1A-B, 2A-J, 3A-F).
 Dates are flexible within a semester as long as the content is learned prior to a semester exam

[Click here to access state standards for Aquatic Science.](#)

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Year Long Field Experiences and Research Development (Embedded in units throughout the school year)		
Smooth Cordgrass Harvesting & Restoration Project with Galveston Bay Foundation	4A B C, 5A B C D, 6A B, 7A B C, 8A, 9A B C, 10B C, 11A B, 12A B C D	15
Field Guide Research for Common Local Aquatics Plants, Birds, Fish, Invertebrates, and Marine Mammals	4A, 5C, 9A B C, 10B C, 11B	20

Any additional notes: