

2022-2023 Aquatic Science Year-At-A-Glance

Unit Title	Student Expectations
1st Nine Weeks: August 18 – October 14 Assessment - 1st 9Weeks: ~ October13-October 14	
Unit 1: Introductions, Lab & Field Safety, Interactive Notebooks, Field Guide Introductions	Process TEKS
Unit 2: Water Quality Properties, Parameters, and Quality	4A B C, 5B, 6A, 7A B, 8A
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
Unit 4: Cycles: Water, Nitrogen, Carbon	4A B, 5A B, 6A, 8A, 9C
2nd Nine Weeks: October 17 – December 16 Assessment - Semester 1 CBA Testing Window: ~ December 13- December 16	
Unit 5: Marine Systems: Tides	4A B, 6A, 8B
Unit 6:Marine Systems: Currents	4A C, 6A B, 8A B
Unit 7: Oceanic Divisions & Bathymetric Mapping Project	4A C, 9B C
Unit 8: Excel: Tables, Graphs, & Data Analysis	4C, 5A B, 6B, 7C
3rd Nine Weeks: January 4 – March 10 Assessment - 3rd 9 Weeks: ~ March 9-March 10	
Unit 9: Autotrophs: Phytoplankton, Algae, & Seagrasses	4A, 5C D, 10 A B, 12A C D
Unit 10: Invertebrate Aquatic Life – 7 Phyla & Dissections	4A B, 5C D, 7A B C, 8C, 9A B,
4th Nine Weeks: March 21 – May 25 Assessment - Semester 2 Window: ~ May 18-May 25 Senior Finals: ~May 18-May 20	
Unit 11: Vertebrate Aquatic Life – Bony & Cartilaginous Fish & Dissections	4A B, 5D, 10A B C, 11A B, 12E
Unit 12: Vertebrate Aquatic Life – Marine Mammals	4A B, 5D, 10B C, 11A B, 12E
Unit 13: Human Interactions & Impacts	4A B, 5D, 12 A B C D E
Unit 14: Marine Debris & Plastics: End of the Year Project	12A B D

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 forAquatic Science.](#)

Year Long Field Experiences and Research Development (Embedded in units throughout the school year)

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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: