

The Maritime Academy of Toledo Curriculum Focus for Grades 5-12

Marine-related themes are integrated into traditional subjects through developmentally appropriate practices (lecture, projects, and hands-on real life experiences) that directly support Ohio Grades 5-12 Outcomes and Standards, Ohio Achievement Tests for Grades 5-8 and the Ohio Graduation Test. These themes include but are not limited to the following:



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| 1. Marine Biology | 11. History of the Great Lakes and Seas | 24. Ports Of Call |
| 2. Marine Science | 12. Literature of the Great Lakes and Seas | 25. Bridge Administration |
| 3. Environmental Science including Pollution Control | 13. Music of the Great Lakes and Seas | 26. Islands, Canals, And Locks |
| 4. Coastline Habitats And Ecosystems and Wildlife Management | 14. Healthy Living On/Near The Water | 27. Dredging And Channels |
| 5. Meteorology | 15. Economics of the Great Lakes | 28. Rules Of The Road (Sea) and Maritime Law |
| 6. Astronomy | 16. Marine Art, Architecture, and Woodworking | 29. Homeland And Port Security including Local Police, Federal, And Military Service On U.S. Waterways |
| 7. GPS - Satellite Communications And Navigation | 17. Civilian Marine/Maritime Careers | 30. Maritime History Of The State And Region |
| 8. GIS - Chart Mapping And Reading | 18. Leisure and Sports | 31. Local, State, Regional And World Cargo / Transportation Systems |
| 9. Robotics/Remotely Operated Water Vehicles | 19. Lighthouses and Shipwrecks | |
| 10. Coast Guard JROTC and Navy Sea Cadets | 11. Internship and Mentorship Programs | |
| | 21. Marine Culinary Careers | |
| | 22. Search And Rescue | |
| | 23. Water Vessels | |

The Maritime Academy of Toledo Marine Environment (Workstations and Labs for Grades 5-12)

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| ▪ Navigation Simulator Lab | ▪ Chemistry Lab | ▪ Music Workstation |
| ▪ Radar Simulator Lab | ▪ Physics Lab | ▪ Communications Language Arts Workstation |
| ▪ Engine Room Simulator Lab | ▪ Marine Biology Lab | ▪ Social Studies Workstation |
| ▪ Global Positioning System Lab (GPS) | ▪ Fine Art/Sculpting Lab | |
| ▪ Geographical Info Lab (GIS) | ▪ Woodwork Lab | |
| ▪ Remotely Operated Vehicle Lab (ROV) | ▪ Architecture Lab | |
| ▪ Ecology Lab | ▪ History Workstation | |
| ▪ Weather Lab | ▪ Library/Resource Workstation | |

***Sailing Into the Future— Powered
By Knowledge & Skills***