

# Boat Building and Navigation Unit 1: Connecticut Safe Boating Certification

## Unit Focus

In this unit, students will learn about Boating Safety. Although there are inherent risks in virtually any sport, a well-educated boater who uses common sense and courtesy on the water contributes to everyone's safety and enjoyment. As a result of the content in this unit, students will be eligible to obtain a Certificate of Personal Watercraft Operation through the CT Sportsman Database. This is required to operate a power boat or vessels over 19 1/2 feet on all state waterways.

## Stage 1: Desired Results - Key Understandings

Established Goals	Transfer	
<p><b>Connecticut Goals and Standards</b>  <i>Transportation Technology: 12</i></p> <ul style="list-style-type: none"> <li>Explain how governmental regulations impact transportation. <i>TRAN.01.05</i></li> <li>Define and properly use common transportation technology terminology (e.g. combustion, pathways, velocity, vehicle, mode, payload, and terminal). <i>TRAN.02.01</i></li> </ul> <p><b>Student Growth and Development 21st Century Capacities Matrix</b>  <i>Collaboration/Communication</i></p> <ul style="list-style-type: none"> <li>Presentation: Students will be able to relay information and ideas to an authentic audience (other than the teacher) to promote collective understanding. <i>MM.3.3</i></li> </ul>	<p><b>T1</b> Demonstrate professionalism through exhibiting attentiveness, growing from feedback, and adhering to industry standards (safety).  <b>T2</b> Explore and hone techniques and skills in safe boat operation to operate any recreational vessel including a personal watercraft in the state of Connecticut.</p>	
	<b>Meaning</b>	
	<b>Understandings</b>	<b>Essential Questions</b>
	<p><b>U1</b> Understanding what to do before you get underway increases your safety on the water.  <b>U2</b> The way people operate their boat is directly related to safety on the water.</p>	<p><b>Q1</b> How does this type of boat (and the parts for that type of boat) affect its performance?  <b>Q2</b> What do I need to know before I get underway?  <b>Q3</b> What are the things I should know in order to operate my boat safely?  <b>Q4</b> What do I need to do in a boating emergency?</p>
	<b>Acquisition of Knowledge and Skill</b>	
	<b>Knowledge</b>	<b>Skills</b>
<p><b>K1</b> Boating nomenclature, propulsion systems and hull types.  <b>K2</b> Basic navigation and "Rules of the Road"  <b>K3</b> Federal and state boating laws  <b>K4</b> Types of boating emergencies  <b>K5</b> Legal requirements on State waterways that apply to boating.  <b>K6</b> Legal requirements of boating in the state of CT</p>	<p><b>S1</b> Identify different parts of a boat, types of boat hulls, propulsion systems, and varieties of vessels.  <b>S2</b> Apply legal requirements and best practices needed before departing on a vessel.  <b>S3</b> Apply navigational skills and knowledge of boating laws to operating a boat safely.</p>	