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

Standard(s)

Connecticut Goals and Standards
Transportation Technology: 12

- Explain how governmental regulations impact transportation. *TRAN.01.05*
- Define and properly use common transportation technology terminology (e.g. combustion. pathways. velocity. vehicle. mode. payload. and terminal). *TRAN.02.01*

Madison Public Schools Profile of a Graduate

- Analyzing: Examining information/data/evidence from multiple sources to identify possible underlying assumptions, patterns, and relationships in order to make inferences. (POG.1.2)

Transfer

Students will be able to independently use their learning to...
T1 Demonstrate professionalism through exhibiting attentiveness, growing from feedback, and adhering to industry standards (safety).
T2 Explore and hone techniques and skills in safe boat operation to operate any recreational vessel including a personal watercraft in the state of Connecticut.

Meaning

Understanding(s)

Students will understand that...
U1 Understanding what to do before you get underway increases your safety on the water.
U2 The way people operate their boat is directly related to safety on the water.

Essential Question(s)

Students will keep considering...
Q1 How does this type of boat (and the parts for that type of boat) affect its performance?
Q2 What do I need to know before I get underway?
Q3 What are the things I should know in order to operate my boat safely?
Q4 What do I need to do in a boating emergency?

Acquisition of Knowledge and Skill

Knowledge

Students will know...
K1 Boating nomenclature, propulsion systems and hull types.
K2 Basic navigation and "Rules of the Road"
K3 Federal and state boating laws
K4 Types of boating emergencies
K5 Legal requirements on State waterways that apply to boating.
K6 Legal requirements of boating in the state of CT

Skill(s)

Students will be skilled at...
S1 Identify different parts of a boat, types of boat hulls, propulsion systems, and varieties of vessels.
S2 Apply legal requirements and best practices needed before departing on a vessel.
S3 Apply navigational skills and knowledge of boating laws to operating a boat safely.