

Student Name	SEAMANSHIP	FFA	21st CENTURY LEADERSHIP SKILLS	NAVIANCE	POWER BOAT HANDLING	SHOP/BOAT BUILDING	NAVIGATION	SOLID WORKS CAD PROGRAM	P/F
	MASTERY LEVEL	M.L.	MASTERY LEVEL	MASTERY LEVEL	MASTERY LEVEL	MASTERY LEVEL	MASTERY LEVEL	MASTERY LEVEL	

Aquaculture Technology 2 is using Mastery Based Learning/Grading this year. Students are working on specific skills and content in the areas of nautical science and leadership. We evaluate their knowledge and understanding using verbal, practical (hands-on) and written forms of assessment. The City of New Haven grade reporting software displays student grades for this course as "Pass", "Fail", or "Incomplete". The student's report card will be accompanied by this Mastery Grading Report. Skills and content that have been "mastered" will earn a 3 (Meets mastery requirements) or a 4 (Exceeds mastery requirements). If they have not yet reached mastery level in a specific skill or content area, they will receive a 1 (Minimum progress towards mastery) or a 2 (Making progress towards mastery) and a plan will be put in place for them to work on specific skills or content areas they need to master. In most cases, this will need to be done after school as the class moves on to new material.

The Mastery Based system allows for individualized student learning. Students can move at their own pace within a given marking period. There are approximately 50 specific skills or content areas within the 8 units covered in this course and with Mastery Based Learning the students are able to assess where they stand (what they have mastered and what they need to work on) at any given time. Mastery Based Learning/Grading offers a specific and individualized assessment of what the students have learned. Students must master each required area/unit. A failing grade "F" for the course will require the student to register and successfully complete the Summer Credit Recovery Course for Tech 2 before moving on to Aqua Tech 3 next year or prior to graduation.

Description of Units:

Seamanship: This unit includes nautical terminology, 12 knots and their uses, whipping and splicing.

FFA: This unit exposes students to the vast number of programs and leadership opportunities within the FFA organization. As members, our students may participate in a variety of workshops, conferences, career development events and awards programs.

21Century Leadership Skills: These skills are regularly evaluated and students also evaluate themselves throughout the course. This unit includes the following: On time to class, Works consistently, Homework on time, Communicates effectively, Assess and solves problems, Takes initiative, Accepts guidance, Works as part of a team, Positive influence on class, Demonstrates ability to teach others.

Naviance: This unit will continue throughout the course. Naviance is a career planning/goal setting, student portfolio program. Students may access their account at home to continue work and view progress.

Powerboat Handling: This unit includes 10 specific skills used in operating a small powerboat and also includes specific safety skills, weather, tides.

Shop: Tech 2 is responsible for maintaining the small boat moorings, the 24 foot powerboat we use, dock lines and anchors on all school's powerboats. We may involve students in a small building project. Mastering this unit also includes knowledge of tools and their uses.

Navigation: In Navigation will include specific navigation skills, an introduction to nautical charts, plotting a course, finding their position and speed/distance/time calculations.

SolidWorks: SolidWorks is the Computer Aided Design(CAD) software introduced to the sophomore class in Tech 2. We encourage the students to learn how to use the tutorials. These are the best means of learning what this program can do. They are each responsible to complete five (5) tutorials as part of their class work. There are three (3) more drawings to be delineated as part of the final exam; these do not include step-by-step directions.