

**Providence Career & Technical Academy**  
***“Maritime Welding and Pipefitting Program - Years 1-4” Syllabi***

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**Year 2 - Level 10**

**Instructor Name:** Nate Hoffman

**Time Frame:** 2021-2022

**Email:** nathan.hoffman@ppsd.org

**Course Description:**

The Maritime Welding Program's, "Level 1" course, is the second year of instruction received in the four year Maritime Welding and Pipefitting Program and it is taught in alternating weeks from Pipefitting. Meeting one period per day, in alternating weeks, this course will serve as an introduction into the principles and fundamentals of maritime welding, and it will begin a more in-depth look into the metal cutting processes of Oxygen Fuel Cutting (OFC), Plasma Arc Cutting (PAC) and Carbon Arc Cutting (CAC), Base Metal preparation, Welding of

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synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

#### **Required Textbooks, Reading and Supplementary Materials**

Textbook: ***NCCER - “Core Curriculum: Introductory Craft Skills, Fifth Edition;” NCCER - “Introduction to the Maritime Industry;” NCCER – “Welding, Level - 1, Fifth Edition;” NCCER – “Welding, Level - 2, Fifth Edition;” along with a variety of online resources.***

#### **Assignment and Examination Schedule:**

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electric shock; burns; exposure to arc rays; exposure to fumes; and other general construction safety hazards. Therefore, to ensure student safety, we expect that all students will thoroughly understand and adhere to the safety procedures established. Due to the inherent and associated risks, safety training will take place at the beginning of each school year. Horseplay and not adhering to proper safety will affe\_

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