



**OLIVER  
HAZARD  
PERRY**  
RHODE ISLAND

# INTERDISCIPLINARY LESSON GUIDE

## THE PLIMSOLL LINE



**"Ask Us Anything: The Plimsoll Line" video:**

<https://youtu.be/mSk48KwbiP8>

**OHPRI on YouTube:**

<https://www.youtube.com/c/OliverHazardPerryRI>



## SUMMARY

This four minute video features an explanation of the Plimsoll Mark or Load Line, which is used to ensure that ships are not overloaded, and came about thanks to the efforts of Samuel Plimsoll, a major shipping reformer and member of Parliament in the late 19th century, who was deeply concerned about the loss of vessels and crews due to unscrupulous owners overloading their ships for greater profit. Viewers are introduced to the basic concepts of buoyancy, water density, and how a vessel that embarks on a world voyage has to take into account the different types of water they will be operating in as well as the season.



## CONTENT AREA

### Physics

- Buoyancy
- Stability

### Marine Science-Water Density

- Oceans
- Estuaries
- Rivers

### History

- Maritime History

### Social Studies

- Geography
- Economics



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[WWW.OHPRI.ORG](http://WWW.OHPRI.ORG)

NEWPORT



# GRADE LEVEL CURRICULUM GUIDES

## K - 5

- Introduction to buoyancy and differences in water density
- Global trade and the transportation of goods

## 6 - 8

- Empirical evidence collection on buoyancy, ship stability, and water density
- Exploration of physical geography related to oceans, bays, sounds and rivers

## 9 - 12

- Calculation of initial and reserve stability, center of effort and buoyancy
- Development of labor law and maritime law
- Career exploration in Marine Transportation, Naval Architecture, Marine Engineering
- Transportation Logistics

