UNIT 7 - NAVAL SKILLS - RULES OF THE ROAD AND MANEUVERING BOARD

Content Area: **Social Studies**
Course(s):
Time Period: **January**
Length: **5 blocks**
Status: **Published**

Enduring Understandings

Demonstrate the basic concepts of maneuvering a small boat under classroom conditions through the use of the maneuvering board

Essential Questions

1. Describe the two main sets of nautical rules

2. Explain the importance and purpose of nautical rules
3. Describe the rules for shipboard lights and day shapes in inland and international waters
4. Describe whistle, fog and distress signals used on marine vessels
5. Describe the inland and international rules for steering and sailing vessels to avoid risk of collisions

1. Describe the purpose and use of the maneuvering board
2. Explain the relationship between relative motion and reference point
3. Describe the major steps for plotting directions with the use of a maneuvering board
4. Given a set of problems related to the Closest Point of Approach(CPA), apply the major concepts to maneuver a ship
5. Describe the wind effect on maneuvering a ship

Content

1 Nautical Rules of the Road NS3-M3U5C1S1 – Rules, Lights and Day Shapes
NS3-M3U5C1S2 – Special Rules of Naval Vessels
2 Maneuvering Board NS3-M3U5C2S1 – The Maneuvering Board Plot
NS3-M3U5C2S2 – The CPA Problem

Skills

1. Main sets of nautical rules
2. The importance and purpose of nautical rules
3. The rules for shipboard lights and day shapes in inland and international waters
4. Whistle, fog and distress signals used on marine vessels

5. The inland and international rules for steering and sailing vessels to avoid risk of collisions
6. The purpose and use of the maneuvering board
7. The relationship between relative motion and reference point
8. The major steps for plotting directions with the use of a maneuvering board
9. The Closest Point of Approach(CPA), apply the major concepts to maneuver a ship
10. The wind effect on maneuvering a ship

Resources

http://www.njrotc.navy.mil/curriculum.html

Naval Science III, Naval Knowledge and Skills for The NJROTC Student

Standards

Reading: Informational Text
RI.11-12.1. Cite strong and thorough textual evidence to support analysis of what the text says explicitly…
RI.11-12.4. Determine the meaning of words and phrases as they are used in a text…
RI.11-12.7. Integrate and evaluate multiple sources of information presented in different media or formats …

Writing
W.11-12.2. Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately...

Speaking & Listening
SL.11-12.1. Initiate and participate effectively in a range of collaborative discussions…

Language
L.11-12.4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases…
L.11-12.6. Acquire and use accurately general academic and domain-specific words and phrases…