# UNIT 8 - NAVAL SKILLS - NAVAL WEAPONS AND AIRCRAFT

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

## Enduring Understandings

Demonstrate an understanding of naval weapons

## Essential Questions

1. Describe the evolution of naval weapons from 1453 to present
2. Discuss basic weapons terminology as it applies to the Navy
3. Describe the Navy weapons organization
4. Discuss the range of weapons used by the Navy
5. Describe the major considerations used to select ship's weapons systems
6. Describe weapons systems elements and requirements
7. Describe the shipboard weapons control systems used by the Navy

1. Describe the evolution of naval aviation
2. Describe the types of naval aircraft
3. Explain the evolution of naval aircraft weapon systems
4. Describe the general types of guided missiles
5. Describe the four basic component parts of guided missile systems
6. Describe the types and usage of guided missiles used in the Navy.
7. Describe the Navy's submarine-launched ballistic missile program
8. Describe the purpose of the Navy's cruise missiles launched from surface ships, submarines and aircraft
9. Describe the Navy's air-to-air missiles used in the front line defense of the naval task force
10. Describe the second line of fleet defense with the use of Navy's surface-to-air missiles
11. Describe the purpose of the Navy's air-to-surface missiles
12. Describe the Navy's current Undersea Warfare(USW) weapons
13. Explain the two basic types of guided missile trajectories

## Content

1 Navy Weapons NS3-M3U6C1S1 – Weapons and Terminology
NS3-M3U6C1S2 – Range of Weapons
2 Naval Guns NS3-M3U6C2S1 – Gun Nomenclature
NS3-M3U6C2S2 – Gun Projectiles

3 Naval Aircraft and Missiles NS3-M3U6C3S1 – Naval Aircraft Weapon Systems
NS3-M3U6C3S2 – Uses of Guided Missiles
NS3-M3U6C3S3 – Navy Air-to-Air Missiles
4 Mine Warfare NS3-M3U6C4S1 – Evolution of Mine Warfare
NS3-M3U6C4S2 – Mine Countermeasures
5 Chemical, Biological & Nuclear Warfare NS3-M3U6C5S1 – Chemical Warfare
NS3-M3U6C5S2 – Biological Warfare

## Skills

1. Evolution of naval weapons from 1453 to present
2. Basic weapons terminology as it applies to the Navy
3. The Navy weapons organization
4. The range of weapons used by the Navy
5. The major considerations used to select ship's weapons systems
6. Weapons systems elements and requirements
7. The shipboard weapons control systems used by the Navy
8. The evolution of naval aviation
9. The types of naval aircraft
10. The evolution of naval aircraft weapon systems
11. The general types of guided missiles
12. The four basic component parts of guided missile systems
13. The types and usage of guided missiles used in the Navy.
14. The Navy's submarine-launched ballistic missile program
15. The purpose of the Navy's cruise missiles launched from surface ships, submarines and aircraft
16. The Navy's air-to-air missiles used in the front line defense of the naval task force
17. The second line of fleet defense with the use of Navy's surface-to-air missiles
18. The purpose of the Navy's air-to-surface missiles
19. The Navy's current Undersea Warfare(USW) weapons
20. The two basic types of guided missile trajectories

## 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…

Writing

W.11-12.8. Gather relevant information from multiple authoritative print and digital sources…
W.11-12.9. Draw evidence from literary or informational texts to support analysis, reflection, and research.

Speaking & Listening
SL.11-12.1. Initiate and participate effectively in a range of collaborative discussions…
SL.11-12.2. Integrate multiple sources of information presented in diverse formats and media …
SL.11-12.5. Make strategic use of digital media…

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…