History of the Submarine

First Submarine Design
- Drafted by William Borne in 1578
- Based on ballast tanks
- Never got past the drawing stage

First Oared Submersible
- Conceived and Built by Cornelis Drebbel
  - Dutch Inventor
  - Born in Alkmaar, Netherlands in 1572
- First to address the problem of air replenishment

Human Powered Submarine
- Built by David Bushnell in 1776
  - Called the Turtle
  - First submarine to dive, surface and be used in Naval combat

Holland VII and Holland VIII Submarines
- Introduced by John P. Holland in 1895
- Used petroleum engine for surface propulsion and electric engine for submerged operations
- Served as a blueprint for all the world’s navies for submarine design

French Submarine Aigette
- First submarine built with a diesel engine for surface propulsion and electric engine for submerged operations
- 1904