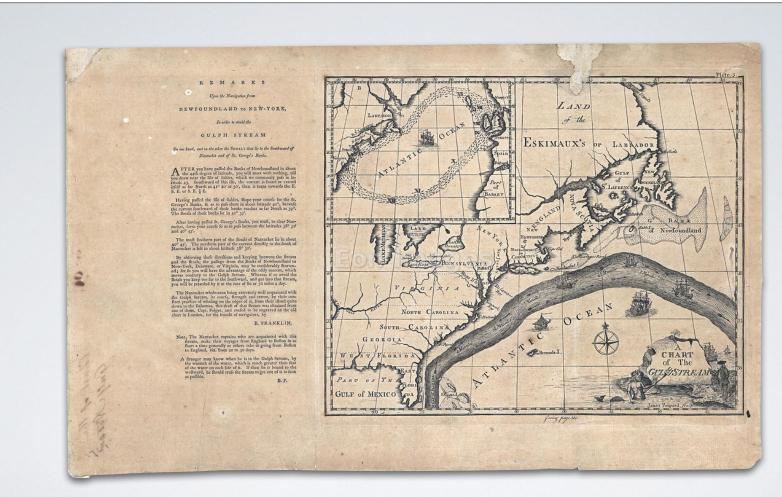


- Ocean scientists continued in the wake of early explorers and navigators by investigating the oceans in a quest for scientific knowledge
- This quest is on going and has resulted in a much deeper understanding of our oceans and planet which is 71% water

- Benjamin Franklin (1706 1790)
  - First to map the Gulf Stream
  - Amazingly accurate map of the warm water current that runs north along the east coast of North America



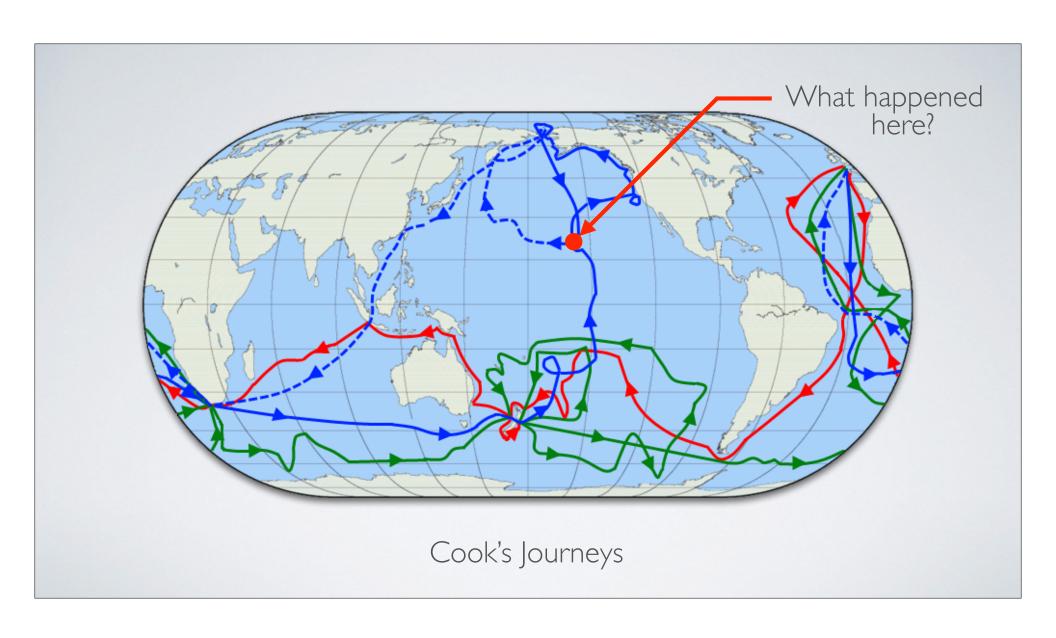


Gulf Stream Mapping

- James Cook (1728 1779)
  - British explorer who mapped the South Pacific in search of Australia
  - Discovered the importance of vitamin C to prevent scurvy
    - Scurvy a disease resulting from a deficiency of vitamin C which is required for the synthesis of collagen

- James Cook (continued)
  - Excellent celestial navigator and understood latitude and longitude
  - Created many detailed maps
  - Killed while exploring Hawaii





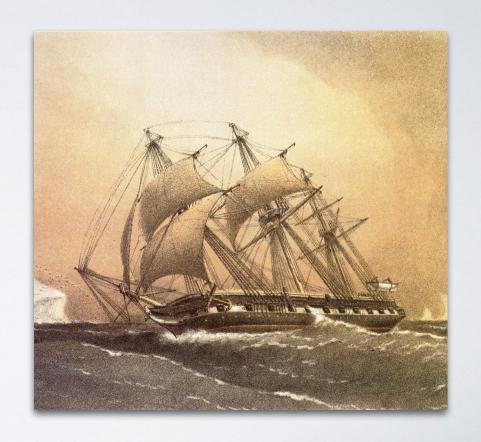


James Cook Documentary

- Matthew Fontaine Maury (1806 1873)
  - American naval officer
  - Father of Oceanography
  - Published "The Physical Geography of the Sea" and "Wind and Current Chart of the North Atlantic"



- H.M.S. Challenger (1873-1876)
  - A refitted British warship which crossed all the major oceans collecting samples 50 volumes worth of data



- H.M.S. Challenger (continued)
  - Scientific data included:
    - 4700 new species discovered
    - Temperature and pressure reading at different depths
      Ocean-floor sediments
    - Tide data





James Cook Documentary