

### Mississippi Objectives – Elementary

**Propeller Challenge:** Propellers are used to move large ships, but why are their capabilities limited? Visitors will crank a propeller in water and determine how fast they can go. Then they'll see how increasing the speed of the propeller requires an exponential amount of energy.

Math:

Grade 3.OA.1

Grade 4.OA.1

Grade 5.OA.1

**Cross Staff and Quadrant and The Sextant:** Early sailors used tools such as the cross staff, the quadrant, and the sextant to determine their ship's latitude. Visitors will use these same tools to measure the angle between Polaris and the horizon, and determine their position north or south of the equator.

Social Studies:

Grade 3: 2b

Math:

Grade 1.MD.3a

Grade 3.OA.7

Grade 4.MD.5

Grade 5.G.1

**Longitude Challenge:** Until the 1770s, mariners were unable to determine longitude because no timepiece could keep accurate time at sea. What if you were "lost at sea"? Through this exercise, visitors will discover how they can use time to tell your longitude on the open water.

Social Studies:

Grade 3: 2b

Math:

Grade 1.MD.3a

Grade 3.OA.7

Grade 4.MD.5

Grade 5.G.1

**What's Inside?:** In every port, goods headed to market are shipped inside huge stacks of containers. Visitors will explore an interactive, multi-media environment that demonstrates how containers are used to transport products worldwide.

Math:

Grade K.MD.1

## Exhibit Connections



**Beneath the Bay:** Visitors will view over 100 shipwrecks located in Mobile Bay, originating from every period of North American history, from Spanish colonization to modern times. Visitors will explore the locations of the more storied shipwrecks from the area's maritime history.

Social Studies:

Grade 1: 2b

Grade 2: 2b

**Ocean Planet Theater:** A six-foot diameter planet Earth is suspended, rotating on its axis. With stunning visualizations of our amazing "ocean planet", visitors will engage in theater programs on the Gulf of Mexico that utilize real satellite data and other images.

Science:

Grade K: 4c

Grade 1: 4b, 4c

Grade 2: 4e

Grade 3: 4b, 4f

Grade 4: 4b, 4c

Grade 5: 4c

Social Studies:

Grade 1: 2a, 2d

Grade 2: 2a, 2d

Grade 3: 2a

Grade 4: 3a, 5f

Grade 5: 2a

**Comings and Goings:** This two-story, interactive world map allows visitors to explore historic and current waterborne commerce to and from the Gulf, from the routes of early Spanish, French and British explorers, to modern trade that links Mobile and the Gulf to the world.

Social Studies:

Grade 2: 4

Grade 4: 2, 3c

Grade 5: 4b

**MariTimeline:** The comprehensive maritime history of the Gulf of Mexico and Mobile is displayed in a user-friendly format designed for the casual viewer as well as the history buff. On parallel timelines, visitors will explore early discoveries, inventions, economic events, political upheavals, and social milestones that defined Gulf Coast maritime history. Reproduced engravings, paintings and photographs illuminate fascinating facts from the Gulf's storied past.

Social Studies:

Grade 3: 2a

Grade 4: 3a

Grade 5: 2c

## Exhibit Connections



**Extreme Storms:** Inside, visitors will encounter a calm beach day that becomes a hurricane, and will be called upon to become "emergency response managers", making decisions based on rapidly-incoming information. Visitors will make choices that affect loss of property and life.

Science:

Grade 4: 1f

Social Studies:

Grade 4: 5f

Math:

Grade 1.NBT.1, 1.NBT.4

**Ocean Today:** At this media kiosk, visitors can view selections from the latest video feeds issued by NOAA (National Oceanic and Atmospheric Administration) relative to maritime research and events that are affecting our ocean environment.

Science:

Grade 2: 4d

Grade 4: 4d

Grade 5: 4d, 4g

Social Studies:

Grade 4: 5f

**Cargo Handler:** Visitors will use block and tackle like stevedores to hoist heavy goods (36 pounds of weight). See how the right combination of pulleys can make the job easier.

Science:

Grade 3: 2c

Math:

Grade 3.OA.2, 3.OA.5

Grade 4.OA.2

**Hidden Highways:** See how you can ship goods on the nation's river system, from a variety of Gulf ports to destinations far north. Watch the route your goods would take on the inland waterways as well as the number of miles traveled and the change in elevation as you go.

Math:

Grade K.MD.2

Grade 2.NBT.1

### Mississippi Objectives – Middle School

**Ocean Planet Theater:** A six-foot diameter planet Earth is suspended, rotating on its axis. With stunning visualizations of our amazing "ocean planet", visitors will engage in theater programs on the Gulf of Mexico that utilize real satellite data and other images.

Science:

Grade 6: 4f

Grade 7: 4a, 4b

Grade 8: 4b, 4c, 4e, 4h

Social Studies:

Grade 6: 4a, 5

**What's Inside?:** In every port, goods headed to market are shipped inside huge stacks of containers. Visitors will explore an interactive, multi-media environment that demonstrates how containers are used to transport products worldwide.

Social Studies:

Grade 8: 2b

**Comings and Goings:** This two-story, interactive world map allows visitors to explore historic and current waterborne commerce to and from the Gulf, from the routes of early Spanish, French and British explorers, to modern trade that links Mobile and the Gulf to the world.

Social Studies:

Grade 6: 4a, 4b

Grade 8: 3a

**Riverboat Run:** The vessels that traversed the inland rivers of the Gulf evolved from paddle to steam to diesel over the years. Witness the evolution of riverboats in a fun way as an animated sequence "morphs" from canoe to keelboat to flatboat to steamboat to diesel tow.

Social Studies:

Grade 8: 2b

**El Cazador:** Step into a glass-bottom boat and witness the amazing shipwreck of El Cazador, a Spanish galleon that could have changed history had it completed its mission in 1784 to deliver new currency to Spain's struggling Louisiana colony.

Social Studies:

Grade 8: 5b

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## Exhibit Connections



parallel timelines, visitors will explore early discoveries, inventions, economic events, political upheavals, and social milestones that defined Gulf Coast maritime history. Reproduced engravings, paintings and photographs illuminate fascinating facts from the Gulf's storied past.

### Social Studies:

Grade 6: 4a

Grade 8: 2b, 3a

**Ocean Today:** At this media kiosk, visitors can view selections from the latest video feeds issued by NOAA (National Oceanic and Atmospheric Administration) relative to maritime research and events that are affecting our ocean environment.

### Science:

Grade 6: 4g

Grade 8: 4h

### Mississippi Objectives – High School

**Ocean Planet Theater:** A six-foot diameter planet Earth is suspended, rotating on its axis. With stunning visualizations of our amazing "ocean planet", visitors will engage in theater programs on the Gulf of Mexico that utilize real satellite data and other images.

Science:

Earth and Space: 3a, 3d, 4a  
Geology: 2d

Social Studies:

Intro to World Geography: 2a, 3a, 5a  
WH Enlightenment-Present: 7b  
Advanced World Geography: 2a, 4a

**Comings and Goings:** This two-story, interactive world map allows visitors to explore historic and current waterborne commerce to and from the Gulf, from the routes of early Spanish, French and British explorers, to modern trade that links Mobile and the Gulf to the world.

Social Studies:

Intro to World Geography: 5b, 5d

**Discovery Hull Theater:** This theater showcases "Port of Victory", a film on the history of the Port of Mobile during World War II, focused on the shipbuilding and shipping industries that helped the nation sustain the war.

Social Studies:

U.S. Post-Reconstruction-Present: 2a, 3c

**MariTimeline:** The comprehensive maritime history of the Gulf of Mexico and Mobile is displayed in a user-friendly format designed for the casual viewer as well as the history buff. On parallel timelines, visitors will explore early discoveries, inventions, economic events, political upheavals, and social milestones that defined Gulf Coast maritime history. Reproduced engravings, paintings and photographs illuminate fascinating facts from the Gulf's storied past.

Social Studies:

WH Enlightenment-Present: 4b, 7b  
U.S. Post-Reconstruction-Present: 3c

**Ocean Today:** At this media kiosk, visitors can view selections from the latest video feeds issued by NOAA (National Oceanic and Atmospheric Administration) relative to maritime research and events that are affecting our ocean environment.

Science:

Earth and Space: 3d, 4b  
Environmental: 3a

Social Studies:

Intro to World Geography: 2a, 3a  
Advanced World Geography: 2b

## Exhibit Connections



**Cargo Handler**: Visitors will use block and tackle like stevedores to hoist heavy goods (36 pounds of weight). See how the right combination of pulleys can make the job easier.

**Science:**

Physical Science: 2b