



## Maritime Weather Treasure Hunt

Grades 4-8

### Deck 1A: Cargo Deck

#### Exhibit: Setting Sail

What does weather provide that powers sail boats?

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What do you think would happen to the boat if the weather was really calm?

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#### Exhibit: Fact or Folklore

Use the touch screen and select the wind category. Try and see if you can answer the questions correctly.

What is commonly predicted by observing the wind?

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### Deck 2A: Lower Containers

#### Exhibit: Ocean Planet

Ask the educator to show you the "Wind Forecast" dataset. Which direction do wind and weather usually move around the world? Why do you think this is?

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Now ask the educator to show you a hurricane on the sphere.

Which hurricane did you see? What year did it hit? Where did it make landfall?

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### **Deck 3: Discovery Hull**

Exhibit: MariTimeline

What is the worst river flood event in United States history which occurred in 1927?

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How many states were affected by this flood?

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Exhibit: Significant Shipwrecks of the Gulf

Look at the wall and find some of the shipwrecks that sunk due to weather. Can you find the one that was hit by a hurricane? What was its name?

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### **Deck 3A: Upper Containers**

Exhibit: Extreme Storms

Watch the show in this exhibit (starts every 10 minutes). Write down one thing you learned about hurricanes in the show.

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Exhibit: Ocean Today

Use the touch screen to select a video. Choose “Danger Zone” and then watch the “Storm Surge” video. What is storm surge and why is it so dangerous?

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Exhibit: Weather Signals

Draw the flag symbol that signifies a hurricane warning.

### **Deck 4: Upper Deck**

Exhibit: NOAA Timeline

In what year did the President establish a national weather warning service? Which President was it?

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When was the first successful weather satellite launched by NOAA? What was its name?

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### **Deck 5: The Bridge**

Exhibit: Sound Signals

Sound signals can be helpful on the water in bad weather. What is one signal used during fog or low visibility?

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