

LEARNING GUIDE

Texas Shipwrecks: Futtocks and Trunnels

Grades 4-7



Boca Chica Shipwreck Number 2. Texas Historical Commission

Overview: Parts of a Ship(wreck)

Between the arrival of the earliest European explorers and the beginning of the 20th century, thousands of ships were wrecked along the Texas coast. Marine archeologists must understand what they're looking at when timbers are exposed in the sands or washed up on shore. In this activity, learners will match names and images of ship parts.

Objectives

- Identify ship terminology and other marine archeological terms
- Label images of ship timbers from Boca Chica Number 3 shipwreck

Social Studies TEKS

4th Grade: 21A-C, 22A

7th Grade: 7.2., 7.3, 7.3A

Materials

- ship term cards worksheet
- ship image cards worksheet
- poster board or index cards
- scissors
- glue or tape

Context

The Texas Historical Commission's State Marine Archeologist is responsible for the protection, preservation, and investigation of historic shipwrecks in all state-owned waters of Texas. Marine stewards (volunteer archeologists), as part of the Texas Archeological Stewardship Network (TASN), often help with investigations.

Fragments of a shipwreck began washing ashore Boca Chica Beach in south Texas in March, 2016. Mr. Kevin Reynolds, a member of TASN, was contacted by Texas Historical Commission to investigate. Upon arrival, Mr. Reynolds discovered that some people were burning the timbers to create large fires on the beach. He was able to collect the timbers for delivery to THC. Marine archeology staff continue to study three shipwrecks on Boca Chica Beach.

Additional Resources

More information about the Boca Chica shipwrecks can be found here:

- THC marine archeology webpage <https://www.thc.texas.gov/preserve/projects-and-programs/marine-archeology>
- Article by THC marine archeologist Amy Borgens with contributions by Stephen Hoyt about the Boca Chica number 2 shipwreck, *Journal of Texas Archeology and History*, Volume 4, 1-42
https://drive.google.com/file/d/1IpCX9_3NiURCAbaqi4g1ZNCfDIQmcseK/view?fbclid=IwAR0T2bdQa6ehmrOsT92VnyF5VXO5CdCA23rtuln4NcRypDKlQtI3297ubKc

Activity: Parts of a Ship(wreck) Matching

10-15 minutes

1. For sturdier matching cards, glue or tape the terms and images worksheets onto poster board or index cards before cutting them out.
2. Place the term and image cards in random order facedown.
3. Turn two cards over at a time. If the image and term don't match, or two of the same type of cards are turned, place them facedown again.
4. Turn two cards at a time until a term and image match. Remove matching pairs and continue until all cards are matched.

SHIP TERM CARDS

hull

frame or body of a ship that is below the waterline

bow

front end of a ship; points forward when the ship is sailing

timber

wooden post

trunnel

hard wooden pin used to fasten timbers together

futtock

curved timber piece that forms the frame of a ship

marine

relating to the sea

iron

concretion

hard mass or shell formed around corroding iron; occurs over time

mast

vertical pole that supports sails

wood grain

lines that appear naturally in lumber; a result of sawing

deck

covering on top of the hull; top "floor" of the ship that crew stand and walk on

SHIP IMAGE CARDS



Matching Key

