

CAPE COD WORKBOOK

Produced By:



CAPE COD STUDENT FIELD TRIPS

Hosted by Cape Cod Sea Camps

www.CapeCodFieldTrips.com



***Literature – History – Science & Technology – Social Studies
Both National & MA Standards for Curriculum!***

Cape Cod Sea Camps • PO Box 1880 • 3057 Main St. • Brewster, MA 02631
Ph: 508-896-3451 • Fax: 508-896-8272

Groups@capecodseacamps.com • www.capecodfieldtrips.com

FIELD TRIP WORKBOOK

NAME _____ GRADE _____

SCHOOL _____

TABLE OF CONTENTS

This workbook is the evidence of your learning and participation in this field trip.
Be sure to keep track of your work in the chart below.

Activity	Page	Check when complete

CAPE COD HISTORY

Fill in the blanks using the word bank below:

WORD BANK

Artifacts
Harbors
Stone & flake tools
Separatists

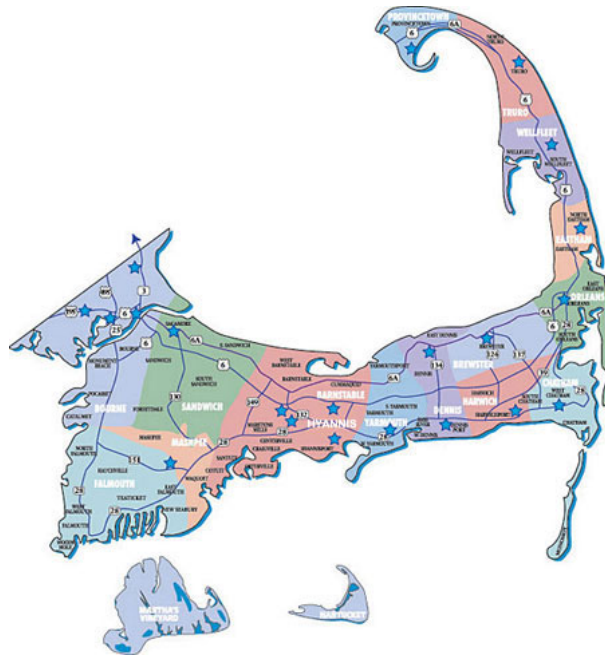
Puritans
King James
Holland
William Bradford

Compact
Race Point
Sparrowhawk

1. _____ found locally indicate that humans have inhabited Cape Cod for the last 10,000 years.
2. Ancient villages were located around Nauset and Wellfleet _____
3. Some of the artifacts found on Cape Cod include _____
4. The Pilgrims were _____ because they wanted to be totally separate from the Anglican Church.
5. _____ wanted to make the Anglican Church more pure.
6. _____ rejected the Pilgrims' request to set up their own church so they moved to _____.
7. _____ was one of the Pilgrim leaders.
8. When they arrived off the tip of Cape Cod, the Pilgrims wrote a _____ which was a promise that they would govern themselves.
9. _____ gets its name because of the swift tide that swirls around the point.
10. The first recorded shipwreck in Cape Cod Bay was the _____

MATCHING

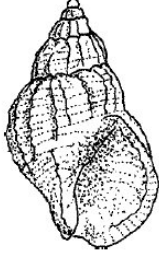


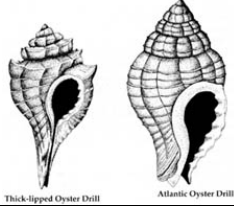
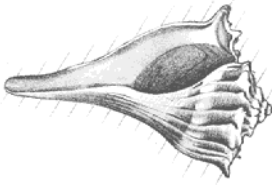

- | | |
|---------------------------|--|
| _____ Right Whale | A. Author of <i>Cape Cod</i> |
| _____ Henry Beston | B. A fish with the “devil’s mark” |
| _____ Henry David Thoreau | C. Native American leader |
| _____ Smith Tavern | D. Original destination of the <i>Mayflower</i> |
| _____ Ocean Pout | E. Author of <i>The Outermost House</i> |
| _____ William Bradford | F. Native Americans indigenous to Cape Cod |
| _____ Hudson River | G. Author of the first written account of Cape Cod |
| _____ Wampanoags | H. Endangered species native to Stellwagon Bank |
| _____ Sachem | I. Author of <i>Of Plymouth Plantation</i> |
| _____ Samuel de Champlain | J. Built on Great Island in 1690 |

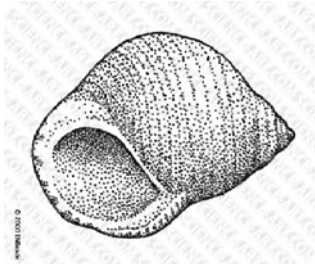
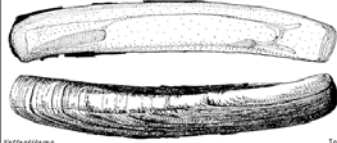





SCAVENGER HUNT






Check off each of the following items as you find them.



MOLLUSKS

<p>Waved Whelk</p>		
<p>Moon Snail</p>		
<p>Common Slipper Shell</p>		
<p>Oyster Drill</p>		 <p><small>Thick-lipped Oyster Drill Atlantic Oyster Drill</small></p>
<p>Knobbed Whelk</p>		
<p>Channeled Whelk</p>		


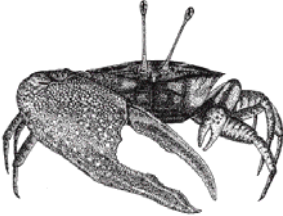

Common Periwinkle		 A detailed black and white stippled illustration of a Common Periwinkle shell, showing its characteristic spiral shape and the large, rounded aperture.
Razor Clam		 A black and white stippled illustration of two Razor Clam shells. One shell is shown from a side view, highlighting its elongated, flattened shape, while the other is shown from a top-down perspective.
Blue Mussel		 A color illustration of a Blue Mussel shell, showing its characteristic blue and white striped pattern and its rounded, slightly curved shape.
Quahog		 A color illustration of a Quahog shell, showing its smooth, rounded shape and the characteristic light brown and white concentric stripes.
Bay Scallop		 A black and white stippled illustration of a Bay Scallop shell, showing its characteristic fan shape and the numerous radial ribs.

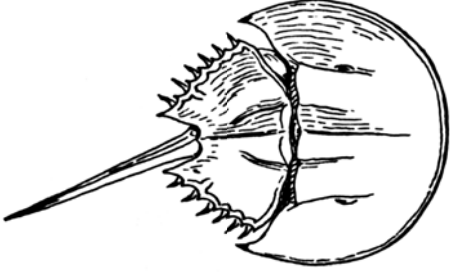


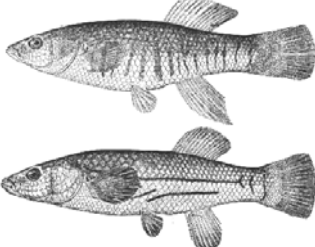
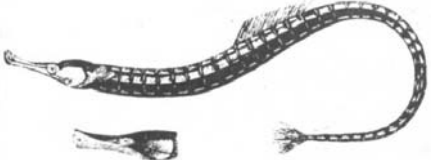
COMMON PLANTS

Beach Pea		
Rugosa Rose		
Sea Lavender		
Seaside Plantain		
Spikegrass		







<p>Saltmeadow Cordgrass</p>		
<p>Dusty Miller</p>		


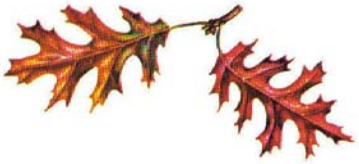

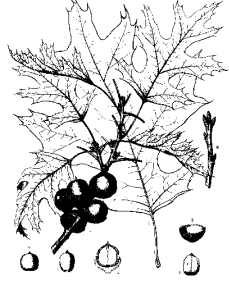
COMMON ANIMALS

<p>Hermit Crab in Moon Snail Shell</p>		
<p>Fiddler Crab</p>		
<p>Blue Crab</p>		

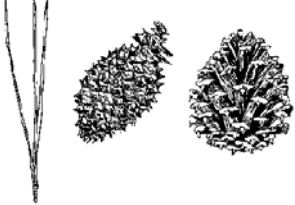

Horseshoe Crab		
Sand Dollar		
Silversides		
Mummichogs		
Pipefish		 <p data-bbox="792 1371 1219 1400">The Great Pipe-Fish (<i>Syngnathus acus</i>) and the head of a Broad-nosed Pipe-Fish (<i>Syphonostoma T.</i>)</p>

COMMON CAPE COD TREES

Red Ash		
White Ash		
Common Elderberry		
Norway Maple		
Sycamore Maple		
Red Maple		

Scrub Oak		
Scarlet Oak		
White Oak		 <p style="text-align: center;"><i>Quercus macrocarpa</i></p>
Black Oak		 <p style="text-align: center;"><i>Quercus velutina Lam.</i> Plate 13</p>

COMMON CONIFERS

Pitch Pine		
White Pine		

CAPE COD FLORA AND FAUNA INVENTORY

Check off any animals you observe over the course of the trip.

FAUNA	√
Acorn Barnacle	
Alewife	
Bat	
Bay Scallop	
Black racer	
Blackback Gull	
Blue crab	
Bobwhite quail	
Calico Crab	
Channeled Whelk	
Chipmunk	
Clam Worm	
Cormorant	
Decorator Worm	
Dogwinkle	
Dragonfly	
Eastern coyote	
Eel	
Fiddler crab	
Finback Whale	
Fringed Worm	
Garter snake	
Glass Shrimp	
Green Frog	
Green Sea Urchin	
Greenhead fly	
Grey Squirrel	
Harbor Seal	
Hermit crab	
Herring	
Herring Gull	
Hognose snake	
Horseshoe crab	
Humpback Whale	
Laughing Gull	
Least tern	
Lobster	

Marsh Snail	
Minke Whale	
Mlue Mussel	
Moon Snail	
Mosquito	
Mouse	
Mummichug	
N.E. Cottontail	
Northern Whelk	
Oyster Drill	
Painted turtle	
Parchment Worm	
Periwinkle	
Pipefish	
Raccoon	
Razor Clam	
Red Squirrel	
Red-winged blackbird	
Ribbed Mussel	
Salamander	
Sand dollar	
Sand Hoppers	
Sea Cucumber	
Sea Scallop	
Slipper shell	
Snapping Turtle	
Softshell clam	
Spider crab	
Spotted Turtle	
Squid	
Starfish	
Stickleback	
Striped Skunk	
Tick	
Water strider	
White-tailed deer	
Woodchuck	



CAPE COD FLORA AND FAUNA INVENTORY

Check off any plants you observe over the course of the trip.

FLORA	√
Bayberry	
Beach Grass	
Beach Heather	
Beach Pea	
Beach Plum	
Bear Oak	
Bearberry	
Beech	
Black Cherry	
Black Grass	
Black Locust	
Black Oak	
Blueberry	
Buttonbush	
Cattail	
Cranberry	
Dusty Miller	
False Solomons	
Goldenrod	
Honeysuckle	
Irish moss	
Kelp	
Ladyslipper	

Mayflower	
Mermaid's Hair	
Milkweed	
Paper Birch	
Pitch Pine	
Poison Ivy	
Queen Anne's Lace	
Red Cedar	
Red Maple	
Red Pine	
Rockweed	
Salt Marsh Grass	
Salt Spray Rose	
Saltwort	
Sea Lavender	
Sea Lettuce	
Sea Rocket	
Solomon's Seal	
Starflower	
Thistle	
White Cedar	
White Oak	
White Pine	



TIDE POOL ANALYSIS SHEET

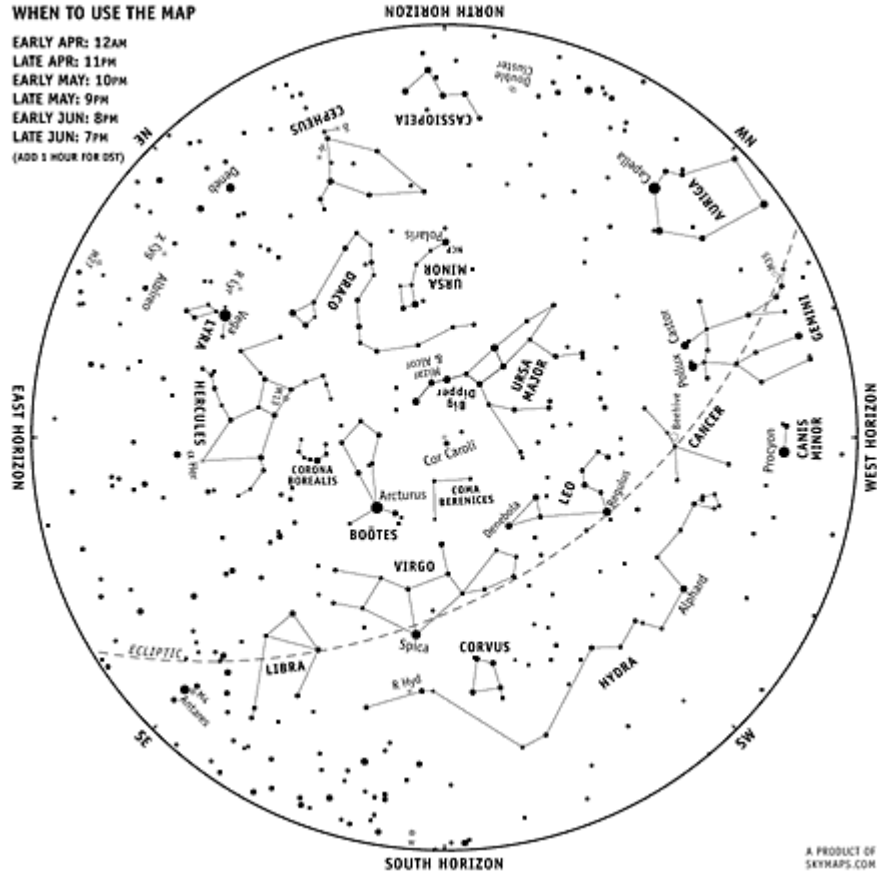
Collect the following data for your tide pool.

1. Tide pool temperature: _____
2. Tide Pool pH _____
3. Tide pool dimensions:
 - a. Radius _____
 - b. Diameter _____
 - c. Circumference _____
4. Draw a biological map of your tide pool.



CAPE COD ASTRONOMY

Circle or highlight the constellations you see during your visit to Cape Cod.



PHASES OF THE MOON

Write the day or date under the phase of the moon that you see that night.



New Moon



Waxing Crescent



First Quarter



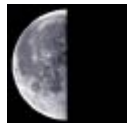
Waxing Gibbous



Full Moon



Waning Gibbous



Last Quarter



Waning Crescent

CAPE COD METEROLOGY
Describe the weather each day of your trip.

Day _____	Date _____
Temperature _____	Wind Conditions _____
Sky Conditions _____	

Humidity / Moisture? _____	
Tide _____	

Day _____	Date _____
Temperature _____	Wind Conditions _____
Sky Conditions _____	

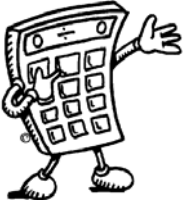
Humidity / Moisture? _____	
Tide _____	

Day _____	Date _____
Temperature _____	Wind Conditions _____
Sky Conditions _____	

Humidity / Moisture? _____	
Tide _____	

CAPE COD MATH

Don't forget to show your work!



1. How many students are on this trip? _____
How many chaperones are on this trip? _____
What is the ratio of students to teachers? _____
2. If your school is 129 miles from Cape Cod and the bus travels at an average speed of 55 mph, how long will you be on the bus? Write a proportion that reflects this.
3. If the class leaves the school parking lot and 8:00 AM on Monday and returns at 4:00 PM on Friday, how many minutes is the class away from school?
4. If the cost per student for this trip is \$300, how much is the total cost of the trip?
5. The average school bus has a 30 gallon gas tank.
 - a. What is the average price of gas today? _____
 - b. How much would it cost to fill the gas tank up for the trip here?
 - c. How much money was spent on gas round trip?
6. From your cabin, the walk to the beach is $\frac{1}{4}$ mile and the walk to the dining hall is 0.1 mile. If you walk to and from the dining hall twice a day and to and from the beach once a day, what is the total distance you walk each day?

CAPE COD BINGO

Choose words from the list below and fill in the Bingo board!

		FREE SPACE		

Orleans
 Brewster
 Plymouth
 Barnstable
 Horseshoe crab
 Whale
 Sea gull
 Pipefish
 Wampanoag
 Slipper shell
 Periwinkle
 Dune
 Erosion

Lighthouse
 Mayflower
 Seashore
 Cranberry
 Quahog
 Scallop
 Lobster
 Kettle pond
 Ecology
 Pilgrims
 Namskaket
 Hummock
 Scallop

Tide pool
 Littleneck
 Oyster
 Razor Clam
 CCSC
 Moon Snail
 Salt Marsh
 Mussel
 Skunk
 Hermit crab
 Skate case
 Whelk
 Poison Ivy



Cape Cod Word Search



N T L X H H E B F E T E T H N V L L Y W D A V O X
O A N H J U R L O N R I I K J Z I W R I J Y R D B
O G M X S E M H K O I M M P V G S X R X J L L Y D
Q F N S W I S M H N K J R S H G P S E B E P O N G
Q M E S K E F S O T I L E T A K S Q B A D O B Q J
H U T L S A A E H C Y W H O U S W J N M N O S J B
T E A R A E K S P B K O I Y B W A S A N I L T R W
R I O H S H A E R I U O R R K C M L R O A V E S H
N H O Z O L W I T S P E A Z E U P A C R A B R O N
N W U S T G R M E J L D Z E B P A P O L L A C S O
Y Y G P D T C M O T L L O R Q H N B P F C W H B W
W T R L I B U J T E W N R A V F O A T Q E T Q O U
M A Y F L O W E R C M T J K U M A R L G J O P J H
X K M M Y O K N Z S P L H I S B G N G S U F Q I M
K V R R E R X Y Q R Z S T Q E M N S M U B L T I G
E J C I X F M U S S E L U J F L S T J B Y K L E S
S M I R G L I P O D S W O A E H Q A J Z G L U Z D
B T J M L J C P O A O F M X E N O B R C C E T U B
E D I T M F X I C F M D Y L E U O L N E J H K F J
U N I W S N A Y F A U M L F J H E E V E P W V U F
K C E N E L T T I L A N P P J G M X D G V P B M D
T Z W O X H X T R L I E W A T E R O S I O N I S E
C U Z J J L S I C M S M S L A K M N X W E L I L B
G M S V V P E H X B Y V C K L X M P Y K A G N E S
R O W S N W V I I A A E Y S J A V C O W N R B Y V

BARNSTABLE
BREWSTER
CLAM
CRAB
CRANBERRY
EROSION
GULL
HERMIT
HORSESHOE
HUMMOCK
KETTLE
LIGHTHOUSE

LITTLENECK
LOBSTER
MAYFLOWER
MUSSEL
NAMSKAKET
ORLEANS
PERIWINKLE
PILGRIMS
PIPEFISH
PLYMOUTH
POOL
QUAHOG

RAZOR
SALT
SCALLOP
SEA
SEASHORE
SHELL
SKATE
SLIPPER
TIDE
WAMPANOAG
WHALE
WHELK

CAPE COD IN LITERATURE

Read the following excerpts and answer the questions below.

“Being thus arrived at Cape Cod the 11th of November, and necessity calling them to look out a place for habitation (as well as the master's and mariner's importunity); they having brought a large shallop with them out of England, stowed in quarters in the ship, they now got her out and set their carpenters to work to trim her up; but being much bruised and shattered in the ship with foul weather, they saw she would be long in mending. Whereupon a few of them tendered themselves to go by land and discover those nearest places, whilst the shallop was in mending; and the rather because as they went into that harbor there seemed to be an opening some two or three leagues off, which the master judged to be a river. It was conceived there might be some danger in the attempt, yet seeing them resolute, they were permitted to go, being sixteen of them well armed under the conduct of Captain Standish, having such instructions given them as was thought meet.”



-William Bradford, Of Plymouth Plantation

1. What was the most important thing the Pilgrims had to do? _____

2. What happened to the Mayflower? _____

3. Who led the Pilgrims? _____



“Having undertaken, for the Glory of God and advancement of the Christian Faith and Honor of our King and Country, a Voyage to plant the First Colony in the Northern Parts of Virginia, do by these presents solemnly and mutually in the presence of God and one of another, Covenant and Combine ourselves together into a Civil Body Politic, for our better ordering and preservation and furtherance of the ends aforesaid; and by virtue hereof to enact, constitute and frame such just and equal Laws, Ordinances, Acts, Constitutions and Offices, from time to time, as shall be thought most meet and convenient for the general good of the Colony, unto which we promise all due submission and obedience. In witness whereof we have hereunder subscribed our names at Cape Cod, the 11th of November, in the year of the reign of our Sovereign Lord King James, of England, France and Ireland the eighteenth, and of Scotland the fifty-fourth. Anno Domini 1620.”

-The Mayflower Compact

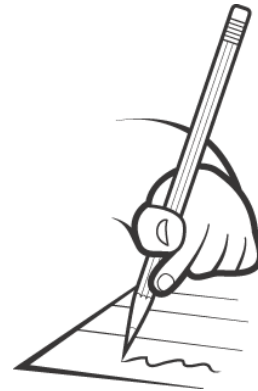
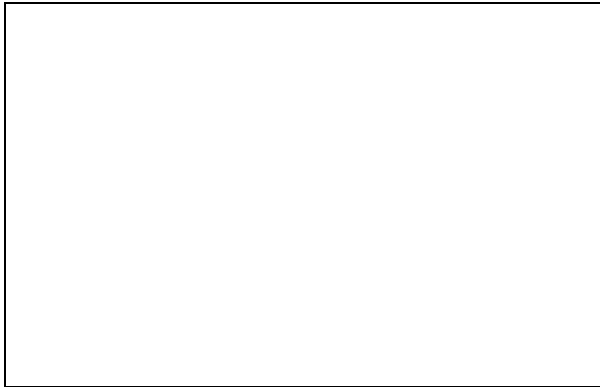
1. What is the point of this document? _____

2. What do the authors of this document plan to do? _____

“Cape Cod is the bared and bended arm of Massachusetts: the shoulder is at Buzzard's Bay; the elbow, or crazy-bone, at Cape Mallebarre; the wrist at Truro; and the sandy fist at Provincetown, — behind which the State stands on her guard, with her back to the Green Mountains, and her feet planted on the floor of the ocean, like an athlete protecting her Bay, — boxing with northeast storms, and, ever and anon, heaving up her Atlantic adversary from the lap of earth, — ready to thrust forward her other fist, which keeps guard the while upon her breast at Cape Ann.”

-Henry David Thoreau, Cape Cod

1. Based on Thoreau's description, draw a picture of Cape Cod and label it.



CAPE COD CHRONOLOGY

Label each event as 17th, 18th, 19th or 20th century.

_____ The first Thanksgiving is celebrated.

_____ Henry David Thoreau writes *Cape Cod*.

_____ The Mayflower anchors in Cape Cod Bay.


_____ A pirate ship is first discovered off the shores of Cape Cod.

_____ The *Whydah* is captured by pirates and sinks.

CAPE COD SCAVENGER HUNT

DIRECTIONS: Working with the group to which you have been assigned, you will have _____ minutes to find as many of the items on this list. You can collect them in the bag your group has been given. When time is up, return to the meeting spot with your items and see how your group stacks up!

Remember: Please stay out of the dunes to prevent erosion!

ANIMALS	POINTS	
Horseshoe Crab skeleton	10	
A piece of granite	5	
A gull feather	2	
Pine needles from a pitch pine (bundle of 3 needles)	1	
A slipper shell	3	
A crab molt	5	
Berries	1	
Black oak leaves	1	
White oak leaves	1	
Acorns	2	
Barnacles on a rock	3	
A piece of bark	2	
Moss	1	
A bone	5	
A whelk case	3	
POSSIBLE TOTAL	45	