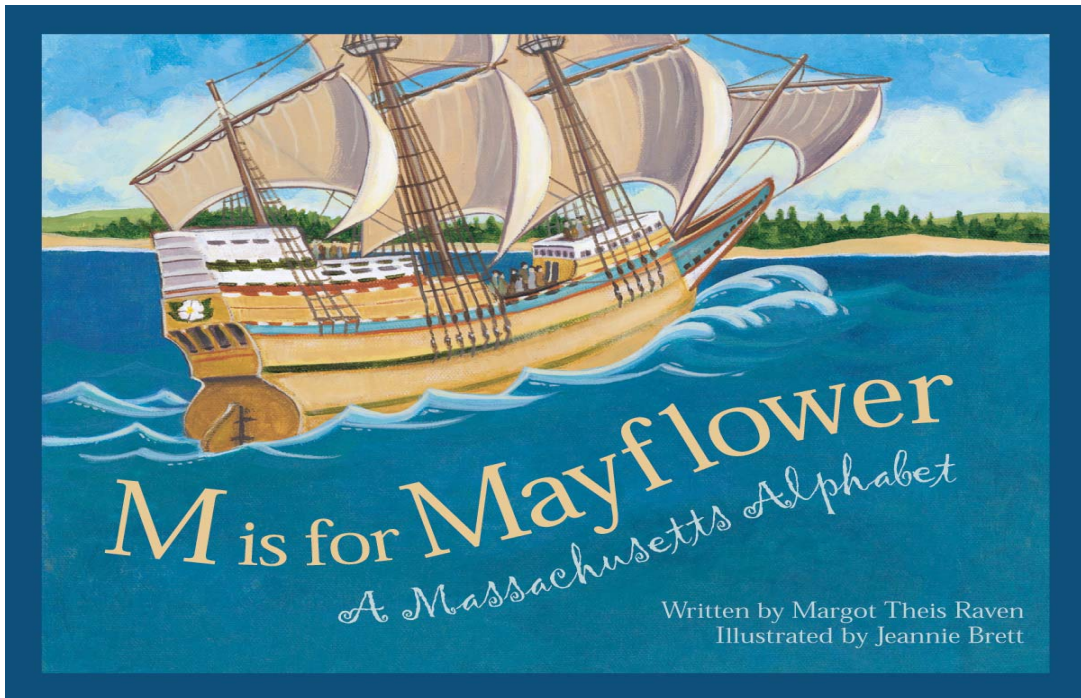


**M IS FOR MAYFLOWER:
A MASSACHUSETTS ALPHABET**



TEACHER'S GUIDE
WRITTEN AND PREPARED BY PATRICIA PIERCE

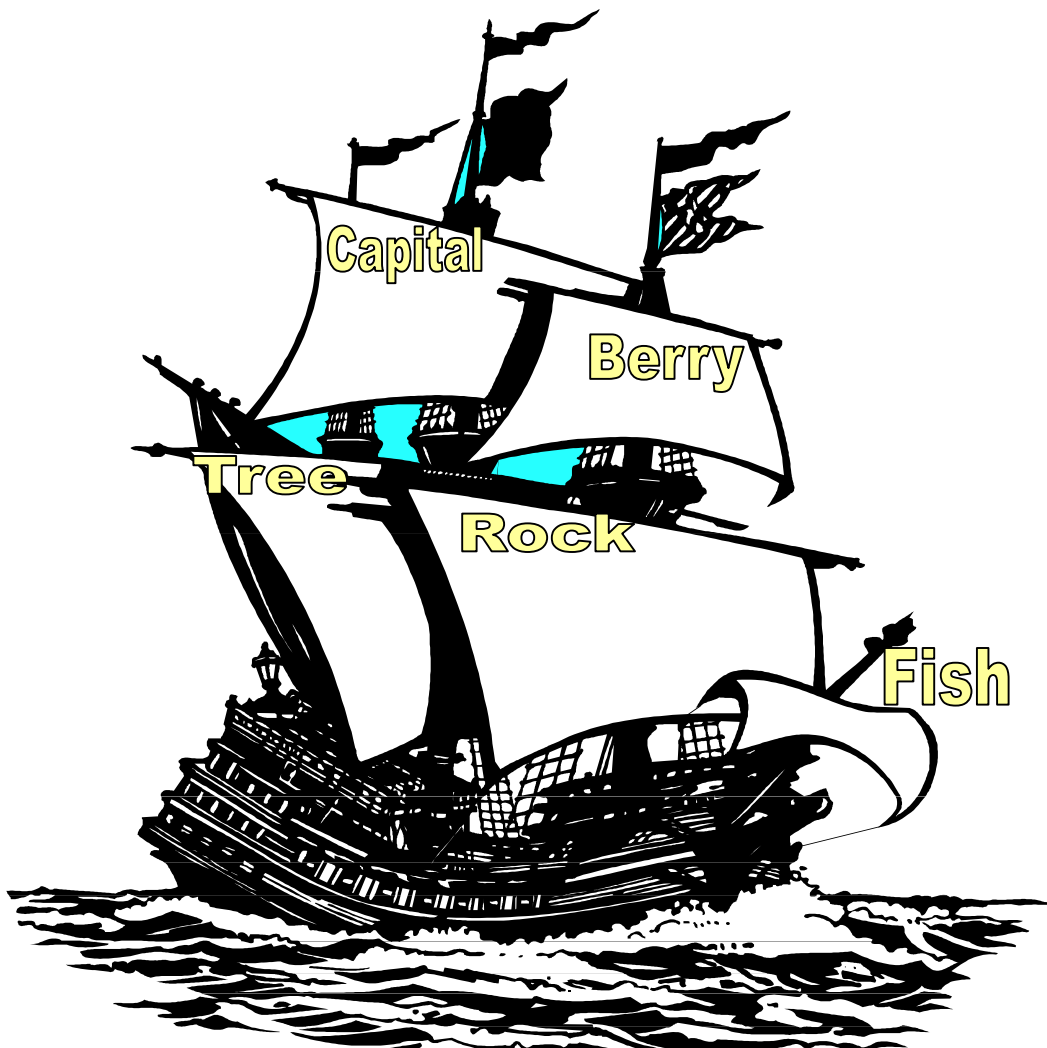
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Massachusetts Symbols

Create your own *Mayflower* to transport Massachusetts symbols.

Read *M is for Mayflower* and complete the missing facts on the sails of the ship. Cut out the picture along the dotted lines and glue a 3-1/8"x 5-1/2" clasp envelope to the back of the picture. Cut out the remaining state symbols listed on the following pages and place inside the envelope.



Flower - Mayflower

<u>Nickname</u>	<u>Citizenry</u>
Bay State Old Bay State	Bay Staters
<u>Heroine</u>	<u>Folk Hero</u>
Deborah Samson	Johnny Appleseed
<u>Dog</u>	<u>Cat</u>
Boston Terrier	Tabby Cat
<u>Horse</u>	<u>Marine Mammal</u>
Morgan Horse	Right Whale
<u>Bird</u>	<u>Game Bird</u>
Black-Capped Chickadee	Wild Turkey
<u>Insect</u>	<u>Fossil</u>
Ladybug	Dinosaur Tracks
<u>Beverage</u>	<u>Bean</u>
Cranberry Juice	Navy Bean
<u>Muffin</u>	<u>Dessert</u>
Corn Muffin	Boston Cream Pie
<u>Cookie</u>	<u>Shell</u>
Chocolate Chip Cookie	New England Neptune

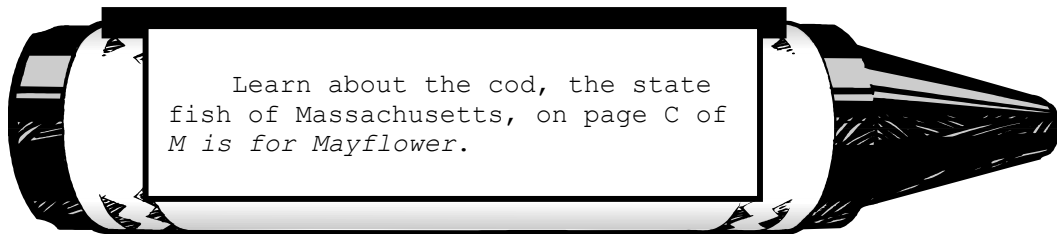
<u>Gem</u>	<u>Mineral</u>
Rhodonite	Babingtonite
<u>Historical Rock</u>	<u>Explorer Rock</u>
Plymouth Rock	Dighton Rock
<u>Building Rock / Monument Stone</u>	<u>Soil</u>
Granite	Paxton Soil Series
<u>Poem</u>	<u>Song</u>
"Blue Hills of Massachusetts"	"All Hail to Massachusetts"
<u>Ceremonial March</u>	<u>Folk Song</u>
"The Road to Boston"	"Massachusetts"
<u>Patriotic Song</u>	<u>Glee Club Song</u>
"Massachusetts (Because of You Our Land Is Free)"	"The Great State of Massachusetts"
<u>Folk Dance</u>	<u>Polka Song</u>
Square Dancing	"Say Hello to Someone from Massachusetts"
<u>Ode</u>	<u>Meaning of Massachusetts</u>
"Ode to Massachusetts"	"Large Hill Place"

B Boston Bunker Hill
b beans basketball

Read page B of *M is for Mayflower*. Complete the following sentences by adding the missing capital or lower case b. Remember to use a capital letter for proper nouns and a lowercase letter for common nouns.

1. _oston is the state capital of Massachusetts.
2. The Puritans often cooked _aked _eans on Saturday.
3. A nickname for _oston is _eantown.
4. _unker Hill was the site of the first major Revolutionary War _attle.
5. Dr. James Naismith invented the game of _asketball by using peach _askets for hoops.

Coin Cod Crayon Rubbing



Materials

White paper

Crayons

Coins - quarters, dimes, nickels, pennies

Directions

1. Refer to page C of *M is for Mayflower* and draw the outline of a cod.
2. Place coins under your drawing.
3. Rub a crayon on the paper and color over the coins.
Continue until you have colored your drawing of the cod.

Have students determine the "cost" of their cod by adding the coins together.

Massachusetts State Flag and Motto

Is the motto of Massachusetts on the state flag?

What does the star on the flag represent?

What tree was on the state flag until 1971?

Find the answers to these questions on page F of *M is for Mayflower*.

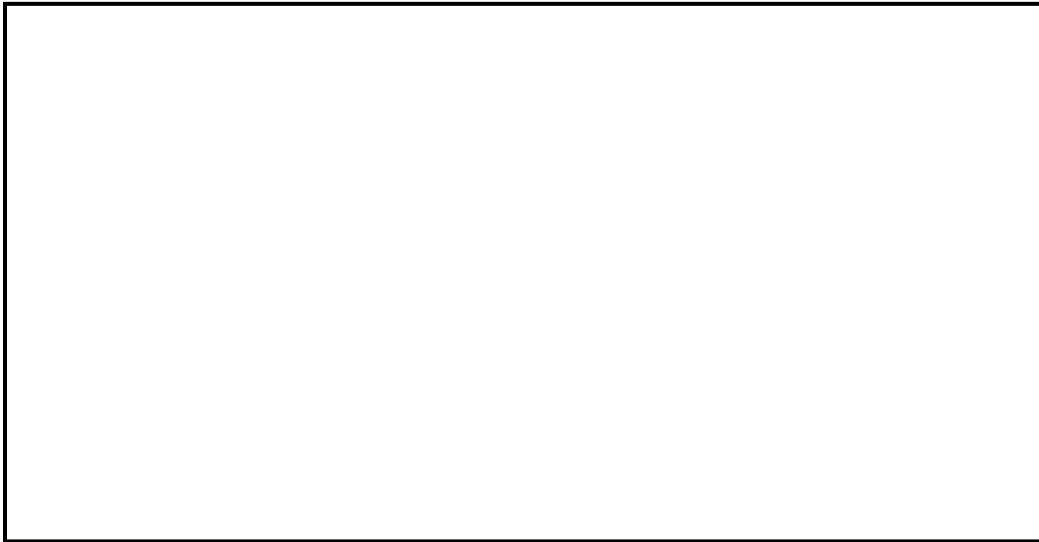
.....

Unscramble the motto

"sword we seek by the peace, only
peace but liberty under."

.....

Draw the state flag of Massachusetts



Amphibious Fun



Can you cruise a river and the streets of Boston in the same vehicle? Read page D of *M is for Mayflower* to find out!

Amphibians

Amphibians are animals that spend part of their life under water breathing with gills and part of their life on the land breathing with lungs.

Directions

Circle the animals listed below that are amphibians.

Turtles

Frogs

Newts

Salamanders

Alligators

Crocodiles

Toads

Lizards

.....

Animals can be classified as amphibians, reptiles, fish, mammals, birds, and insects. Match Massachusetts' state animals with the correct category.

Right Whale

Fish

Black-capped Chickadee

Insect

Cod

Mammal

Ladybug

Bird

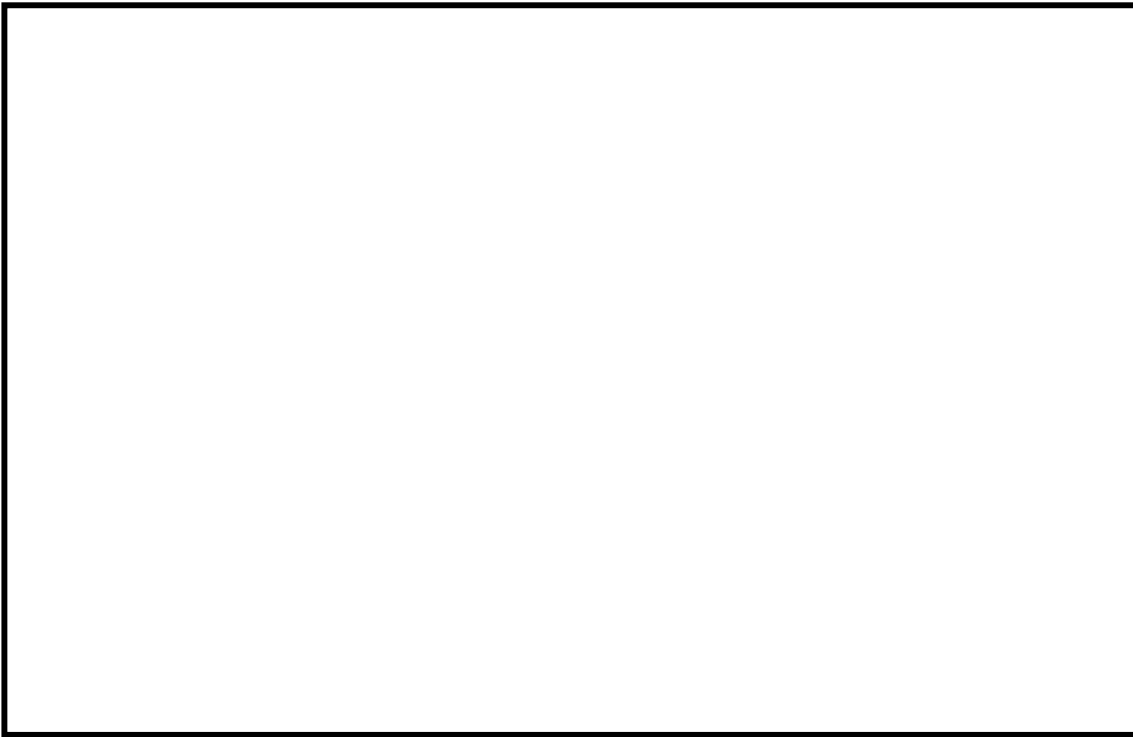
George Washington and the American Elm Tree



When you think of the image of George Washington standing by a tree, most people think of a cherry tree.

Read page E of *M is for Mayflower* to learn about George Washington's connection with Massachusetts' state tree, the American elm.

Directions Refer to page E of *M is for Mayflower* and draw a picture of General George Washington standing beneath an American elm tree.



Why was the American elm chosen as Massachusetts' state tree?

Hidden Treasure

Can you find the pirate's hidden treasure? Will you find silver or gold? Fill in the missing letters and your secret treasure will unfold.

Refer to pages H, I, and W of *M is for Mayflower* for a wealth of information as you complete your treasure hunt.

1. Nantuc _ et is the home of Old Mill, the oldest functioning windmill in the country.
2. Seven U.S. presidents and nearly 40 _ obel laureates attended Harvard University.
3. Legends tell of pirates sailing the Atlantic _ cean and hiding treasure on the islands.
4. Massachusetts' islands are havens for protected _ ildlife and plant species.
5. The islands were formed by g _ aciers.
6. The _ lizabeth Islands are a popular vacation place.
7. The first college in America was Harvar _ .
8. Harvard is located in Cambrid _ e.
9. The curved-armed shape of Cap _ Cod makes this island easy to recognize on a map.

Write the missing letters in order to reveal your treasure.

_ _ _ _ _ _ _ _ _

Massachusetts Time Line

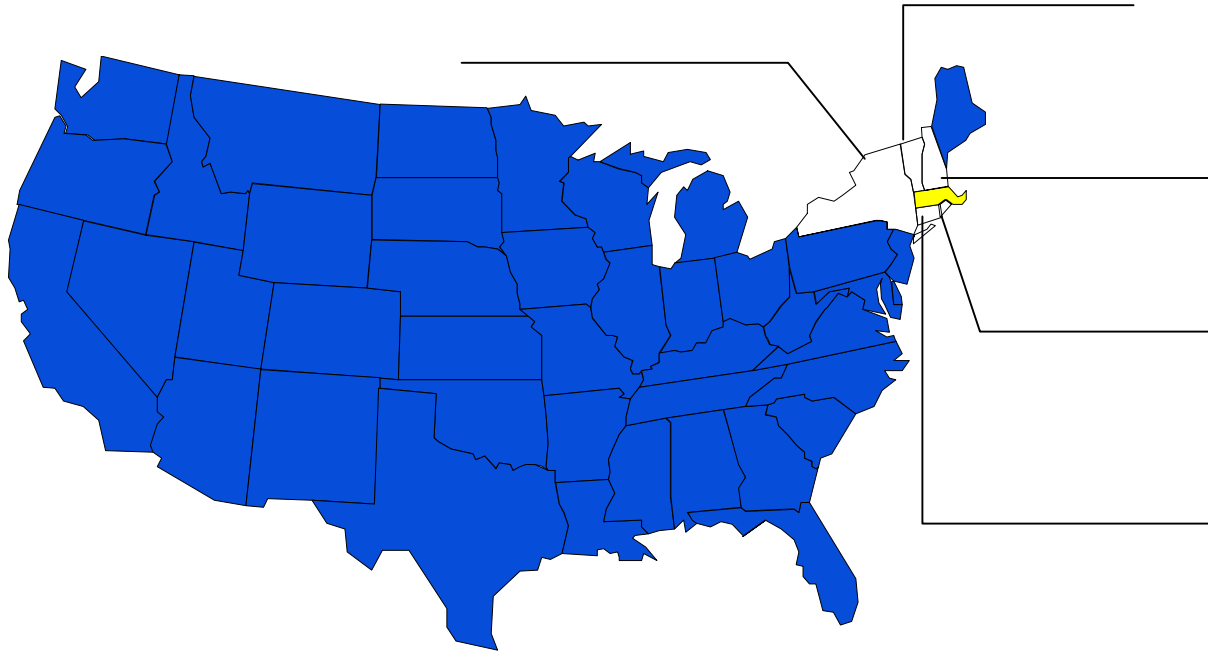
Read *M is for Mayflower* and complete the missing date or information from the time line below.



Massachusetts - The Bay State

Directions

Answer the following questions by referring to the map below and pages A and I of *M is for Mayflower*.



1. Label the following bordering states of Massachusetts.

Rhode Island	Connecticut	New York
Vermont	New Hampshire	

2. Circle the correct answer.

Massachusetts is the (35th, 45th, 42nd) largest state in the United States.

Massachusetts is on the (eastern coast, western coast) of the United States.

The (Pacific Ocean, Atlantic Ocean) borders Massachusetts.

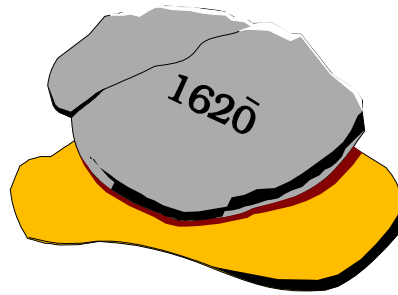
3. List two of the five islands off Massachusetts.

Famous Bay Staters

The state nickname of Massachusetts is the Bay State and its people are known as Bay Staters. Try to match the names of the following famous Bay Staters with the information about them. Skim and search *M is for Mayflower* for information.

- | | |
|------------------------|--|
| 1. Norman Rockwell | A. <i>Battle Hymn of the Republic</i> |
| 2. Nathaniel Hawthorne | B. Faneuil Hall |
| 3. John F. Kennedy | C. Poet |
| 4. Henry David Thoreau | D. Invented basketball |
| 5. Julia Ward Howe | E. <i>The Scarlet Letter</i>
<i>The House of Seven Gables</i> |
| 6. Peter Faneuil | F. <i>Make Way for Ducklings</i> |
| 7. Robert McCloskey | G. "The British are coming" |
| 8. Dr. James Naismith | H. <i>The Saturday Evening Post</i> |
| 9. Paul Revere | I. <i>Walden: or Life in the Woods</i> |
| 10. Emily Dickinson | J. 35th President of the United States |

Where Am I?



Directions

Skim and search *M is for Mayflower* and read the following clues to discover interesting places in Massachusetts.

1. I am at 3,491 feet high, the highest point in Massachusetts. _____
2. I am at a busy seaport and the largest city in New England. _____
3. I am at the site of the first major Revolutionary War battle. _____
4. I am at the site of the first game of basketball. _____
5. I am at the first botanical garden in the country. _____
6. I am at the Fishermen's Memorial, Man at the Wheel. _____
7. I am at the first college established in America. _____
8. I am at the oldest and still functioning windmill in America. _____

A Mix-up of Facts

Change one word to make each sentence true!

Directions

Each sentence below contains a factual error. Find and change the incorrect word. Refer to *M is for Mayflower* for the correct facts!

1. Boston got its name from the Amish.
2. The state of Massachusetts grows more than half of America's raspberry crop.
3. Until 1971, the state flag of Massachusetts had an oak tree on one of its sides.
4. The islands off Massachusetts were formed by tornadoes.
5. The minutemen pledged to be ready to fight in one hour.
6. The pilgrims set sail from Scotland on September 6, 1620.
7. Harvard was the first museum in America.
8. The area code of Sudbury is 01776.

Classroom Worksheet

Put aside the paper and pens and convert your classroom into a worksheet! Try this activity to increase your students' knowledge of Massachusetts' history and people.

Directions

1. Read *M is for Mayflower*.
2. Label three areas of your classroom with the following categories.

Authors/Poets
Illustrators

Patriots
Revolutionary War

Presidents

3. Provide each student with one of the following name cards.
(Depending on the size of your class, students may need to work as partners.)

Louisa May Alcott	Robert McCloskey
Norman Rockwell	Emily Dickinson
Nathaniel Hawthorne	Henry David Thoreau
Ralph Waldo Emerson	Paul Revere
William Dawes	Samuel Prescott
Robert Newman	George Washington
Samuel Adams	John F. Kennedy
John Adams	John Quincy Adams
George Herbert Walker Bush	

4. Instruct students to decide what is the best category for their name card and travel to that area of the room.
5. Instruct students to share information about their person. Allow students to refer to *M is for Mayflower*.

Authors/Poets/Illustrators

Louisa May Alcott
Robert McCloskey
Norman Rockwell
Emily Dickinson
Nathaniel Hawthorne

Patriots/Revolutionary War

Paul Revere
William Dawes
Samuel Prescott
Robert Newman
George Washington
Samuel Adams

Presidents

John F. Kennedy
John Adams
John Quincy Adams
George Herbert Walker Bush

Chargoggagoggmanchaugagoggchaubunagungamaug

What a name! Read page U of *M is for Mayflower* to discover the meaning of this unique name.

Chargoggagoggmanchaugagoggchaubunagungamaug

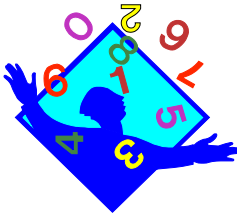
How many different words can you make using these letters?

Graphing

Count how many times each letter is used and create a graph of the results. Add a number line along the side of the graph.

Chargoggagoggmanchaugagoggchaubunagungamaug

C H A R G O M N U B



Massachusetts Math

Learn interesting facts related to Massachusetts and practice your math skills!

Round to the nearest ten

66 rounded to the nearest ten = _____

The Mayflower Voyage lasted for 66 days.

22 rounded to the nearest ten = _____

Norman Rockwell was 22 years old when he painted his first cover for *The Saturday Evening Post*.

77 rounded to the nearest ten = _____

Seventy-seven minutemen fought against the British at the first skirmish of the Revolutionary War.

Round to the nearest hundred

324 rounded to the nearest hundred = _____

324 chests of tea were thrown into the Boston Harbor during the Boston Tea Party.

215 rounded to the nearest hundred = _____

Elis Stenman's newspaper house is 215 sheets thick.

635 rounded to the nearest hundred = _____

The name Massachusetts means "large hill place." The name refers to Great Blue Hill, which is 635 feet high.

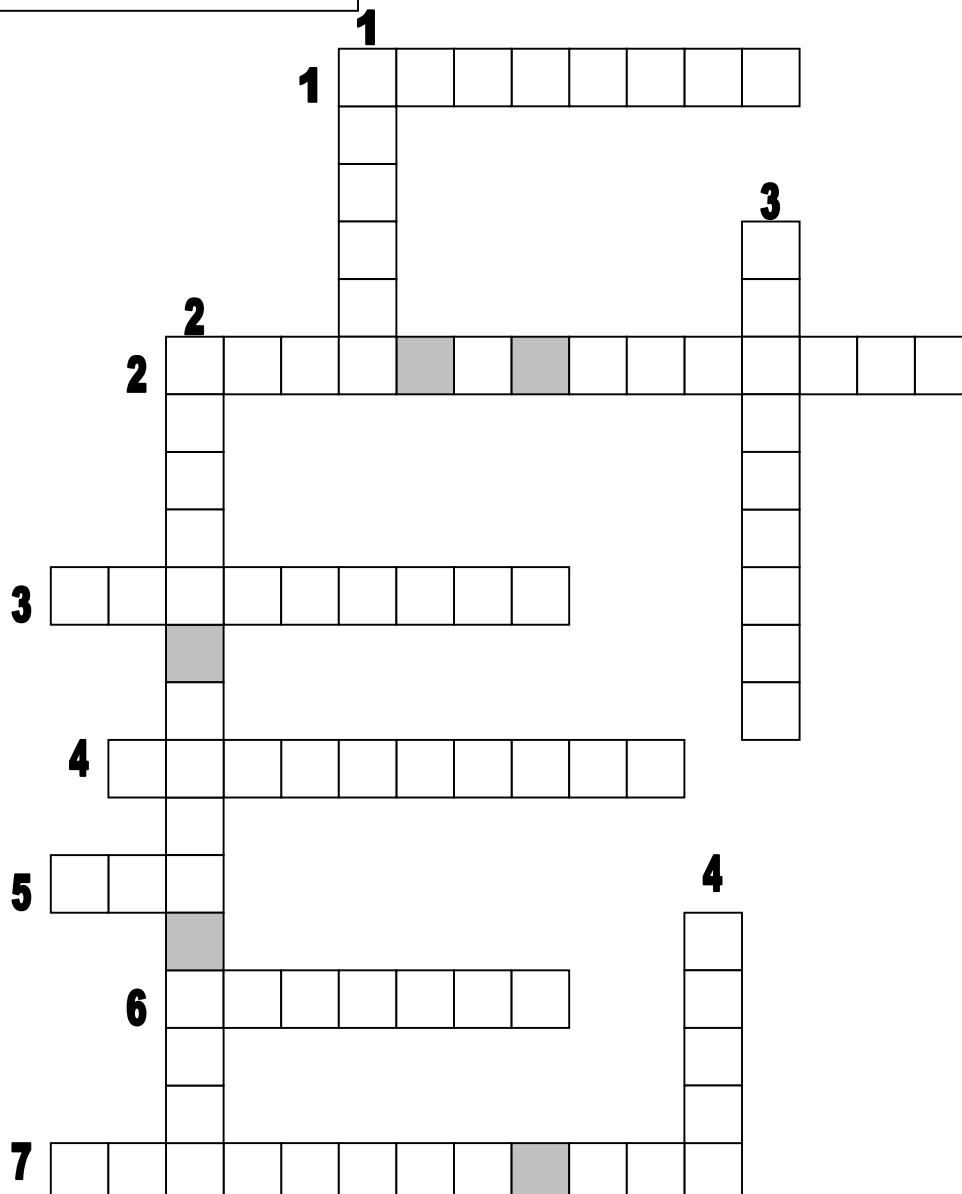
Massachusetts Crossword

Across

1. Boston's nickname
2. 35th president
3. State berry
4. Sport invented by Dr. James Naismith
5. State fish
6. 1st college in America
7. State tree

Down

1. State capital
2. Author of *The Battle Hymn of the Republic*
3. Army of citizen-farmers
4. Town known for its witch trials



Massachusetts Word Search

MAYFLOWER
NANTUCKET
SPRINGFIELD
GLOUCESTER
HARVARD

BEANTOWN
BASKETBALL
MINUTEMEN
PLYMOUTH
CONCORD

ROCKWELL
COMMONWEALTH
LEXINGTON
CRANBERRY
CAMBRIDGE

COD
BOSTON
SALEM
WHALES
SUDBURY

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

Quabbin Reservoir

Water Conservation

Classroom Activity

- Divide students into groups. Instruct them to make a list of the ways we use water. (*Examples: drinking, eating, laundry, dishes, toilet, bath, shower, lawn, garden, swimming pool, water parks, etc.*)
Have one group report their answers while the remaining groups check off responses that are the same on their lists. Allow remaining groups to share additional ideas.
- Discuss ways to conserve water, then give your class the following true/false quiz on water conservation. Students respond by thumb up/thumb down.
(Thumb up - True Thumb down - False)
- Complete the pledge card.

Water Saving Tips - True/False Quiz

1. Adjust sprinklers to water the lawn and not the pavement. (True)
2. Only put in half a load of laundry. (False)
3. Leave the water running while brushing your teeth. (False)
4. Don't fill the bathtub completely full. (True)
5. Leave the hose running when washing the car. (False)
6. Turn off a dripping faucet. (True)
7. Take long showers. (False)
8. Use an automatic dishwasher instead of washing dishes by hand. (False)

I pledge to conserve water by

Signature

Date

ANSWER PAGE

Massachusetts Symbols

Capital - Boston	Berry - Cranberry	Tree - American Elm
Fish - Cod	Rock - Roxbury Puddingstone	

Boston - Bunker Hill - beans - basketball

- | | | |
|-----------------------|-----------------------|--------------------|
| 1. Boston | 2. baked beans | 3. Boston Beantown |
| 4. Bunker Hill battle | 5. basketball baskets | |

Massachusetts State Flag and Motto

Yes, the motto is on the flag.
The star represents Massachusetts as one of the original 13 colonies.
The pine tree was on the flag until 1971.

Motto: "By the sword we seek peace, but peace only under liberty."

Amphibious Fun

Frogs, newts, salamanders, and toads are amphibians. Turtles, alligators, crocodiles, and lizards are reptiles.

Right Whale - mammal	Black-capped Chickadee - bird
Cod - fish	Ladybug - insect

Hidden Treasure

- | | | | | |
|----------------------|------------|--------------|-------------|-------------|
| 1. Nantucket | 2. Nobel | 3. Ocean | 4. wildlife | 5. Glaciers |
| 6. Elizabeth Islands | 7. Harvard | 8. Cambridge | 9. Cape Cod | |

The treasure - KNOWLEDGE

Time Line

1620 - Mayflower arrived at Plymouth Rock
1621 - Harvest feast between the Pilgrims and Wamponoag Indians
1623 - Gloucester founded
1692 - Salem Witch Trials
1773 - Boston Tea Party
1775 - Beginning of Revolutionary War
1776 - America's year of Independence

Massachusetts - The Bay State

1. Starting below Massachusetts and going clockwise, the bordering states are Rhode Island, Connecticut, New York, Vermont, and New Hampshire.
2. Massachusetts is the 45th largest state.
Massachusetts is on the eastern coast of the United States.
The Atlantic Ocean borders Massachusetts.
3. Martha's Vineyard, Nantucket, Cape Cod, Elizabeth Islands, and the Boston Harbor Islands are the islands off Massachusetts.

Famous Bay Staters

1. Norman Rockwell - *H. The Saturday Evening Post*
2. Nathaniel Hawthorne - *E. The Scarlet Letter/The House of Seven Gables*
3. John F. Kennedy - *J. 35th President*
4. Henry David Thoreau - *I. Walden: or Life in the Woods*
5. Julia Ward Howe - *A. Battle Hymn of the Republic*
6. Peter Faneuil - *B. Faneuil Hall*
7. Robert McCloskey - *F. Make Way for Ducklings*
8. Dr. James Naismith - *D. Invented basketball*
9. Paul Revere - *G. "The British are coming"*
10. Emily Dickinson - *C. Poet*

Where Am I?

1. Mt. Greylock
2. Boston
3. Bunker Hill
4. Springfield
5. Boston's Public Garden
6. Gloucester
7. Harvard
8. Old Mill - Nantucket

A Mix-up of Facts

1. Puritans
2. Cranberry
3. Pine
4. Glaciers
5. Minute
6. England
7. College
8. Zip

Chargoggagoggmanchaugagoggchaubunagungamaug

C-3 H-3 A-9 R-1 G-13 O-3 M-2 N-3 U-5 B-1

Massachusetts Math

1.) 70 2.) 20 3.) 80 4.) 300 5.) 200 6.) 600

Massachusetts Crossword Answers

Across

1. Beantown
2. John F. Kennedy
3. Cranberry
4. Basketball
5. Cod
6. Harvard
7. American Elm

Down

1. Boston
2. Julia Ward Howe
3. Minutemen
4. Salem