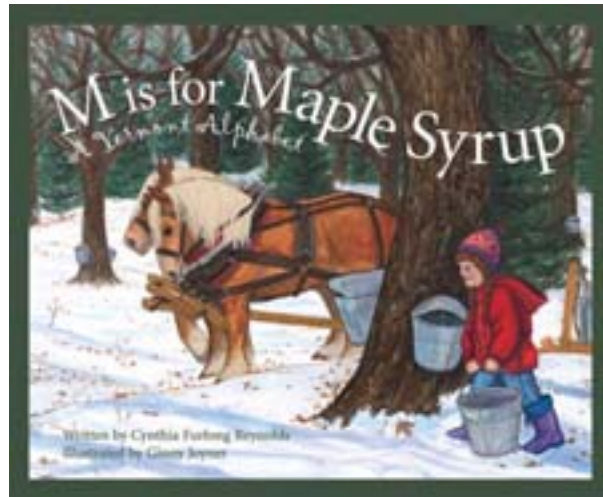


# A Teacher's Guide



Written by Cynthia Furlong Reynolds  
Illustrated by Ginny Joyner

Portions may be reproduced for use in the classroom with  
the express written permission of Sleeping Bear Press.

Teacher's Guide written by Cheryl Grimm

Published by Sleeping Bear Press  
310 North Main, Ste 300  
Chelsea, MI  
800-487-2323  
[www.sleepingbearpress.com](http://www.sleepingbearpress.com)

# Vermont is fun in every season!

Tourists are attracted to Vermont in every season of the year because of the many things there are to see and do. Can you unscramble the words to find out the attractions in each season? Draw a picture of your favorite activity next to each season.

## Autumn



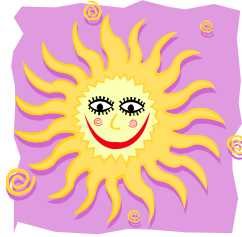
1. kiinhg \_\_\_\_\_
2. afl oorlcs \_\_\_\_\_
3. rsohcadr \_\_\_\_\_
4. mnuspki \_\_\_\_\_

## Spring



1. lapep smsbloos \_\_\_\_\_
2. uotrt fhsiing \_\_\_\_\_
3. eeordvc segdirb \_\_\_\_\_
4. rde vceorl \_\_\_\_\_

# Summer



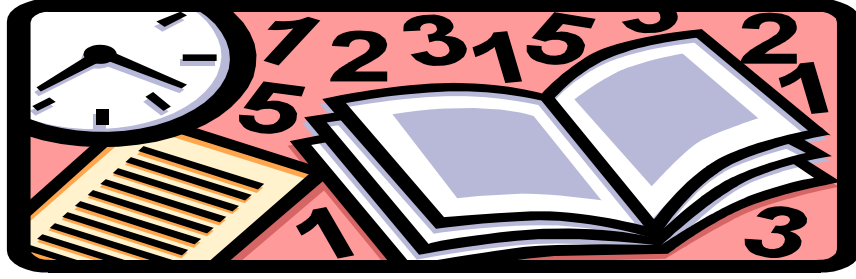
1. mmgswni \_\_\_\_\_
2. bkniig \_\_\_\_\_
3. gbnoiat \_\_\_\_\_
3. cnicnkigpi \_\_\_\_\_

# Winter



1. pmeal pysru \_\_\_\_\_
2. sdedlgni \_\_\_\_\_
3. gnisik \_\_\_\_\_
4. bsonoawrgdni \_\_\_\_\_
5. eilghs desri \_\_\_\_\_

My favorite season is \_\_\_\_\_.



## WHEN DID IT HAPPEN?

Use the book *M is for Maple Syrup: A Vermont Alphabet* to find the dates for the following events in Vermont's history.

1. Johannes von Trapp opened America's first cross-country ski resort in Stowe Vermont in \_\_\_\_\_.
2. Vermont's newest covered bridge was built in \_\_\_\_\_.
3. Vermont became the 14th state in \_\_\_\_\_.
4. Calvin Coolidge became president in \_\_\_\_\_.
5. Ethan Allen and his Green Mountain boys took over Fort Ticonderoga in \_\_\_\_\_.
6. Samuel de Champlain stood at chimney Point and bestowed his name on the huge body of water in \_\_\_\_\_.

### Challenge

Make a timeline showing the above dates and events in Vermont history.

# My Vermont History Timeline



**Which event do you think was the most important?**

# Writing Supporting Sentences



A supporting sentence provides details about the topic sentence.

Directions: Write three supporting sentence to go with each topic sentence. Use the book *M is for Maple Syrup: A Vermont Alphabet* to help you find supporting details. Make sure each supporting sentence is on the same subject as the topic sentence.

1. Winters in Vermont are fun.

---

---

---

---

2. Everyone should attend a town meeting in Vermont.

---

---

---

---

3. Lake Champlain should be one of the Great Lakes.

---

---

---

---

# Using Your Senses in Vermont

Your five senses are- hearing, sight, touch, taste, and smell. Write each word or phrase under its correct sense.

green mountains  
blue water  
sour milk  
ice cream  
soft blanket

rainbow  
stinky fish  
laughing  
maple syrup  
smooth marble

horse neighing  
joke telling  
hot cider  
skunk  
sunset

**Touch**

---

---

---

**Sight**

---

---

---

**Hearing**

---

---

---

**Taste**

---

---

---

**Smell**

---

---

---

Let  
it  
snow,  
Let  
it  
snow



Wilson “Snowflake” Bentley dedicated his life to studying snowflakes. He learned each snowflake begins as a speck too tiny to see. Then, tiny bits of water attach to the speck to form six branches. No two flakes are alike.

Draw your snowflake below; make sure each branch is exactly the same. Use a straightedge to help you.

### Enrichment

You are the first snowflake of the winter. Describe how you feel as you get close to earth.

# These Stones Really **ROCK** !

Vermont has *three* state stones—granite, marble, and slate. To find out more about these stones read *M is for Maple Syrup: a Vermont Alphabet*.

Rocks formed from the cooling of melted material are *igneous rocks*. Small pieces of rocks and minerals can become stuck together to form a new kind of rock. This rock is called *sedimentary rock*. When heat and pressure change other rocks, the new rocks that are formed are called *metamorphic rocks*.

## EXPLORING ROCKS

To find out more about rocks and how they are formed try this activity.

### Materials

- 5 different rocks of about the same size
- hand lens
- balance scale

1. Touch each rock. Explain how it feels.

Write down your observations for each rock.

2. Smell each rock. Write down your observations.

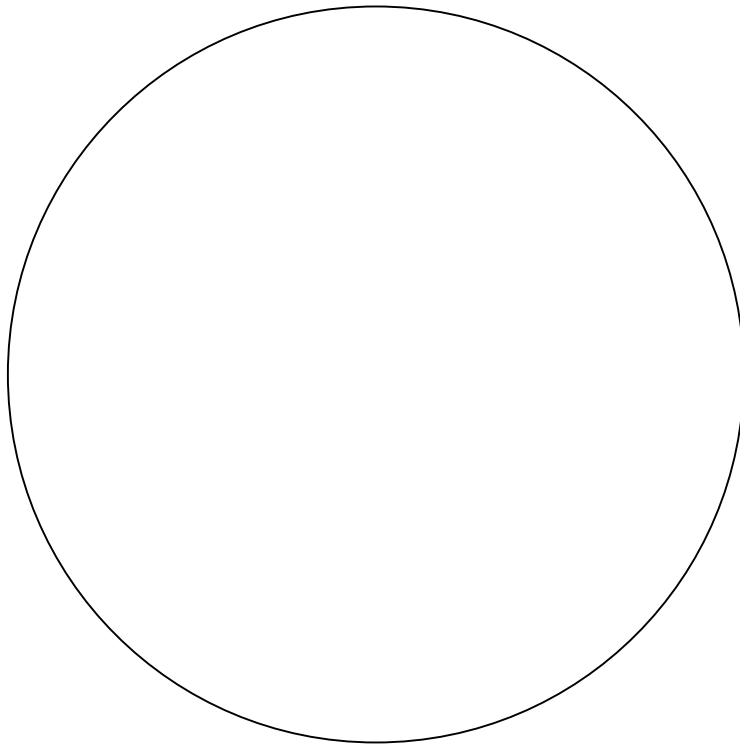
3. Weigh each rock. Record each weight

4. Use the hand lens to see if you can find detail in the rock that you missed.

5. Predict the type of rock you think you have. Write down your prediction.

# THE GREAT SEAL OF VERMONT

Read about Vermont's state seal on page **S** of *M is for Maple Syrup: A Vermont Alphabet*. The seal has many symbols that represent Vermont. You know what symbols the original designer thought represented Vermont. Now, it's your chance to see if you can come up with your own ideas about symbols that should represent the present day Vermont. Design your own Vermont state seal in the circle below.



Have fun ! Be creative!

# Tasty Vermont Treats for All to Enjoy

## Vermont Maple Float

3/4 cup of milk  
1 tablespoon of Vermont maple syrup  
1 scoop vanilla ice cream

Pour the milk in a tall glass.  
Add the syrup and mix  
Add ice cream.

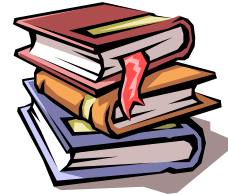
Enjoy your Vermont treat !

\*\*\*\*\*

## Dried Apples

1. Wash, dry, and core an apple.  
Slice apple into rings 1/4 inch thick.
2. Thread the apple rings on a string, and hang them in an airy, dry place. Cover with cheesecloth to keep them clean.
3. When the apples are dry, put them in covered containers.
4. Enjoy these healthy snacks.

# The Making Of a President



Chester A. Arthur and Calvin Coolidge were both Presidents of the United States. Each man has been described as honest and hardworking. These are very admirable qualities.

List the qualities that you think a United States President should have:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_

## Enrichment

Write a paragraph explaining why you would make a good President of the United States some day.

---

---

---

---

---

---

---

# You can be a Math Wizard



Zerah Coburn was a Vermont math genius. He could multiply in his head at age three. You can become a math wizard. Find a partner and practice the following math facts mentally. One of you answers the problems without using paper and pencil. The other person may use a calculator to check your answers. Count the number you get right and then switch places. Your partner will do the problems mentally and you will check the problems using a calculator.

The person with the most right is the winner. Keep trying and see how fast you can do these problems.

$3 \times 4$

$8 \times 7$

$15 \times 2$

$30 \times 3$

$9 \times 9$

$5 \times 6$

$10 \times 8$

$15 \times 2$

$4 \times 8$

$7 \times 7$

$6 \times 20$

$40 \times 1$

$6 \times 6$

$5 \times 5$

$11 \times 3$

$20 \times 3$

$9 \times 7$

$8 \times 9$

$10 \times 5$

$100 \times 6$

# Maple Syrup Sentences

A sentence is a group of words that expresses a complete thought.

Directions: Write **S** by each group of words that is a sentence and **NS** by those that are not a complete sentence.

1. \_\_\_\_\_ When a jug says “Vermont Maple Syrup.”
2. \_\_\_\_\_ It takes 20 to 40 gallons of sap to make one gallon of syrup.
3. \_\_\_\_\_ Maple trees in the woods.
4. \_\_\_\_\_ Maple syrup must be kept fresh and cold.
5. \_\_\_\_\_ Vermont’s state tree is the sugar maple.
6. \_\_\_\_\_ I love maple syrup on pancakes.
7. \_\_\_\_\_ A mixture of maple syrup and snow.
8. \_\_\_\_\_ Visitors love to watch farmers turn sap into syrup.

# MAPLE LEAF MATH



Autumn is the time when the trees start to lose their leaves. It's fun to play in the leaves in the autumn. See if you can figure out how many leaves are left after a windy day.

$$\begin{array}{r} 1. \ 29 \\ - \ 26 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \ 99 \\ - \ 58 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \ 359 \\ - \ 54 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \ 835 \\ - \ 834 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \ 964 \\ - \ 621 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \ 569 \\ - \ 436 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \ 849 \\ - \ 726 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \ 65 \\ - \ 35 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \ 9,876 \\ - \ 1,234 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \ 43 \\ - \ 38 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \ 900 \\ - \ 600 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \ 333 \\ - \ 279 \\ \hline \end{array}$$

# MmmMmm Good !!!

Ice cream is America's favorite treat. Use *M is for Maple Syrup: A Vermont Alphabet* to find the names of Vermont's most famous ice cream makers. Then try your hand at creating your own ice cream flavor.

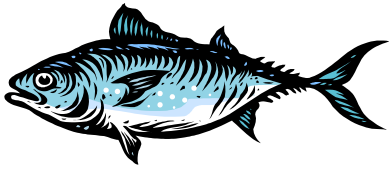


Vermont's famous ice cream makers are \_\_\_\_\_ and \_\_\_\_\_.

Write a step- by -step recipe for making your new ice cream.

My new ice cream flavor is \_\_\_\_\_.

\_\_\_\_\_ Ice Cream Recipe



## Wishing for Fishing

Vermont's lakes and streams provide many opportunities to grab your fishing pole and try your luck.

Put the following species of fish in alphabetical order.

brook trout  
yellow perch  
walleye pike

northern pike  
pickerel  
landlocked salmon

rainbow smelt  
largemouth bass  
lake trout

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

Challenge- Use *M is for Maple Syrup: A Vermont Alphabet* to find the most common coldwater and the most common warm water fish in Vermont and circle them in the list.

# FACT or OPINION?

A fact is a statement that can be proven to be true.

*Example-* Vermont is a state.

An opinion is a statement that expresses how someone thinks or feels.

*Example-* Chocolate is the best flavor of ice cream.

Use *M is for Maple Syrup -A Vermont Alphabet* to help you decide if each statement below is a fact or an opinion.

**Directions :** Write **F** before the facts and **O** before the opinions.

1. \_\_\_\_\_ Vermont is the best state in the east.
2. \_\_\_\_\_ The Vermont state bird is the hermit thrush.
3. \_\_\_\_\_ “The Kingdom” in northern Vermont is in the snowbelt.
4. \_\_\_\_\_ A lot of snow makes the winter fun.
5. \_\_\_\_\_ Vermont has 100 covered bridges.
6. \_\_\_\_\_ We need to build more covered bridges.
7. \_\_\_\_\_ Autumn is the nicest season in Vermont.
8. \_\_\_\_\_ The red clover is the Vermont state flower.

# Comparing Apples and Oranges

Vermont grows apples and apples are the official state fruit but they don't grow oranges. List all the ways apples and oranges are alike and all the ways they are different. Think hard on this one.

**Alike**

**Different**



How many ways did you find that apples and oranges are alike? \_\_\_\_\_ ways.

How many bushels of apples can one apple tree yield in a year? \_\_\_\_\_ bushels.

How many different kinds of apples have farmers and scientists developed? \_\_\_\_\_ kinds.

What color are apple blossoms? \_\_\_\_\_ or \_\_\_\_\_.

# This Lake takes the Cake

Lake Champlain is the largest lake in New England. Lake Champlain contains one peninsula and a cluster of islands.

See if you can match the following geographic features.

- |                    |   |
|--------------------|---|
| 1. _____ peninsula | A. a large, flat land area  |
| 2. _____ island    | B. the lower land between hills or mountains                                  |
| 3. _____ lake      | C. a large, moving body of fresh water that starts at a source in higher land |
| 4. _____ mountain  | D. a small area of land that is higher than the land around it                |
| 5. _____ river     | E. land that is surrounded by water on three sides                            |
| 6. _____ valley    | F. a body of water that is surrounded by land                                 |
| 7. _____ hill      | G. land that rises very high, much higher than the land around it             |
| 8. _____ plain     | H. land that is surrounded by water and smaller than a continent              |



Using the book *M is for Maple Syrup: A Vermont Alphabet*: Answer the following questions about Lake Champlain.

- What year did the Champlain Canal open? \_\_\_\_\_  
What year did Samuel Champlain come upon this large lake? \_\_\_\_\_  
Which state is opposite Vermont on the other side of Lake Champlain? \_\_\_\_\_

# I KNOW VERMONT



Use the book *M is for Maple Syrup: A Vermont Alphabet* to help you find the answers about the state symbols of Vermont.

1. \_\_\_\_\_ state warm water fish

2. \_\_\_\_\_ state flower

3. \_\_\_\_\_ state gem

4. \_\_\_\_\_ state drink

5. \_\_\_\_\_ state bird

6. \_\_\_\_\_ state tree

7. \_\_\_\_\_ state fruit

8. \_\_\_\_\_ state motto

## Challenge

You have been asked to propose a new state symbol for Vermont. What would you choose and why would you make this choice?

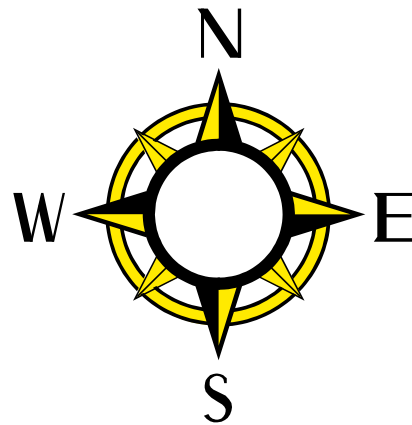
# Vermont Web Sites for Kids

1. The official Vermont web site has a “Just for Kids” section where kids can have fun learning about Vermont.  
<http://www.sec.state.vt.kids/>
2. Did you know that the skeleton of a whale was found in Vermont? Read all about Charlotte at :  
<http://www.uvm.edu/whale/whalehome.html>
3. Puzzles, poems and rhymes about Vermont can be found at:  
<http://www.stateparks.com/hm/kids.cfm>
4. Ever wonder about how Snowflake Bentley discovered how snowflakes are formed? His history and pictures can be found at:  
<http://www.snowflakebentley.com>

# Where in Vermont is ...

Work with a partner and see if you can find the following Vermont towns on a state map. Each town is also found in other states and other countries. See if you can find all 10 towns in 5 minutes. This will take real teamwork.

1. Jamaica
2. Newport
3. Bakersfield
4. Hyde Park
5. Cambridge
6. Leicester
7. Peru
8. Wilmington
9. Manchester
10. Essex



Challenge-

Find the town in Vermont that has the same name as the capital of New York.

# Answers for Vermont Teacher's Guide

## VERMONT SEASONS

Autumn: 1. hiking 2. fall colors 3. orchard 4. pumpkins

Spring: 1. apple blossom 2. trout fishing 3. covered bridges 4. red clover

Summer: 1. swimming 2. biking 3. boating 4. picnicking

Winter: 1. maple syrup 2. sledding 3. skiing 4. snowboarding 5. sleigh rides

## WHEN DID IT HAPPEN

1. 1968 2. 1981 3. 1791 4. 1923 5. 1775 6. 1609

## USING YOUR SENSES

Answers will vary, as some items fit under two senses and have more than one right answer.

## MAPLE SYRUP SENTENCES

1. NS 2. S 3. NS 4. S 5. S 6. S 7. NS 8. S

## MAPLE LEAF MATH

1. 3 2. 41 3. 305 4. 1 5. 343 6. 133 7. 123 8. 30 9. 8642 10. 5 11. 300  
12. 54

## WISHING FOR FISHING

1. brook trout 2. lake trout 3. landlocked salmon 4. largemouth bass 5.  
northern pike 6. pickerel 7. rainbow smelt 8. walleye pike 9. yellow perch

## FACT OR OPINION

1. O 2. F 3. F 4. O 5. F 6. O 7. O 8. F

## COMPARING APPLES AND ORANGES

30 bushels, 8,000 kinds of apples, pink or white blossoms

## THIS LAKE TAKES THE CAKE

1. E 2. H 3. F 4. G 5. C 6. B 7. D 8. A 1823, 1609, New York

## I KNOW VERMONT

1. Walleye pike 2. Red clover 3. grossular garnet 4. milk 5. Hermit Thrush 6.  
maple tree 7. apple 8. Freedom & Unity