

Sample Pages From

New Jersey Icon Map Maker



**Written by
Steven D. Beste**

**Picture Icons by
Adriana L. Chaves-Beste**

New Jersey Icon Map Maker

**Written by
Steven D. Beste**

**Picture Icons by
Adriana L. Chaves-Beste**

**Edited by
Patricia Cunningham**



Copyright © 2001 Afton Publishing Co., Inc.
ALL RIGHTS RESERVED.

We grant permission to photocopy
New Jersey Icon Map Maker
solely to the purchaser for classroom use in its present form.
No other means of copying is allowed (or legal).

Introduction

We designed **New Jersey Icon Map Maker** with you and your students in mind. For teachers, it is multisensory and adaptable for different ability levels. For students, it is fun, interactive, and accessible.

New Jersey Icon Map Maker is effective because students can see the lesson (visual-spatial), hear the lesson (auditory), read the lesson (verbal-linguistic), and manipulate and move materials in the lesson (tactile).

Present the units of **New Jersey Icon Map Maker** as Whole Group Instruction, in which each student completes their own map under your direction, or as Cooperative Learning Groups. There are also optional map activities and follow-up activities. **New Jersey Icon Map Maker** will greatly enhance your study of New Jersey.

Materials Needed:

New Jersey Road Map (one for each student, if possible)
New Jersey Outline Map (consumable; each unit requires one for each student or group)
Picture icons (photocopyable)
Icon descriptions (photocopyable)
Scissors
Glue
Pencil
Crayons or colored pencils

Directions

The following directions apply to most units. When necessary, specific directions (in italics) will lead off a unit or follow the description. The CD includes pictures of finished maps. These are *suggested* ideas for completion. Encourage students to use their creative abilities to design original maps.

1. Cut out and color icons.
2. Read the description.
3. Find the place described for the icon or the underlined place name on your New Jersey Road Map.
4. Locate the place on your NJ Outline Map and designate it with the icon's number, circled.
5. Place icons near the designated place. You'll have to be adaptable with placements so they all fit. Don't glue in place, yet.
6. Glue icons after all are placed acceptably.
7. Decorate your map.
8. Discuss the icons. Which places have students seen? Which are nearby? Encourage family outings and sharing photographs. Find out more about these places on the New Jersey Home Page (accessible through Afton's web site: **www.AftonPublishing.com**).
9. Complete follow-up activities.

Cooperative Group Ideas

1. Divide your class into groups of roughly six students. Make each group responsible for completing an icon map unit cooperatively. They should be familiar with the preceding directions.

2. Assign jobs according to student abilities. (Distributing index cards with listed jobs works well.) Split or combine jobs as necessary. If you color icons after cutting and before gluing, it will not only be easier (no bumps), but all group members can participate.

Student Jobs:

- Cutter cuts out the icons.
- All group members color icons.
- Reader reads the description for each icon.
- Mapper finds the location on the road map.
- Circle Maker finds the location on the outline map and draws the numbered circle.
- Icon Placer, consulting with group, places icons on the outline map.
- Gluer glues the icons in place after final group approval.
- Miscellaneous: whatever is left to do. Some units ask for labeling; others suggest coloring areas.

3. Encourage students to work out difficulties in their cooperative groups. Point them toward the answers, but let the team solve their problems.

4. Allow time at the end to share information and experiences. Ask debriefing questions.

Ideas follow:

- What did your group do well?
- What did you learn about New Jersey?
- How would you improve the activity?
- Which job would you like to try next time?
- What was the most interesting thing you discovered?
- What was the most challenging thing about working in a group?

Table of Contents

	Descriptions	Icons	Picture (on CD only)
Geography	6	19	28
Colonists and Revolution	8	20	29
Transportation	10	21	30
Industry	12	22	31
Tourism	14	23	32
Environment	16	24	33
Agriculture	18	25	34
A Bingo Board (Use photocopies of icons to play.)	26		
A Blank Icon Sheet (for students to create their own maps) ...	27		

Transportation

Follow the usual directions, described in the Introduction, and the additional directions when they appear, in italics, after a description.

Descriptions of Modes and Events

1. Delaware Memorial Bridge, 1951

This bridge spans the Delaware River and connects Deep Water, in Salem County, to Wilmington, Delaware. It is also connects the New Jersey Turnpike with Interstate 95.

2. George Washington Bridge, 1931

This mile-long suspension bridge links Fort Lee to New York City.

3. New Jersey Turnpike, 1953

This 118-mile long toll road crosses through New Jersey's Great Pathway connecting the Delaware Memorial Bridge in Deep Water and the George Washington Bridge in Fort Lee.

Draw the turnpike on your outline map.

4. America's First Air Voyage, 1793

Frenchman Jean Pierre Blanchard piloted the first air flight in America. He traveled by balloon, from Philadelphia over the Delaware River, to Deptford in 47 minutes. Farmers in Deptford were fearful until Blanchard produced a letter from President Washington. The farmers then helped him and his balloon back to Philadelphia.

5. Stagecoach Travel, 1766

"Flying machines" carried travelers from New York City to Philadelphia in one and a half days. Ferries met the stagecoaches in Burlington and Jersey City to complete the journey.

6. John Fitch's Steamboat, 1786

John Fitch built and ran the first steamboat in America. He started the first regularly-scheduled steamboat service carrying passengers between Burlington and Philadelphia. His business did not succeed. Some people wrongly credit Robert Fulton for building the first steamboat, but John Fitch beat him by 20 years!

7. Morris Canal, 1836

This 90-mile-long canal went from Jersey City on the Hudson River to Phillipsburg on the Delaware River. It had an elaborate system of locks and inclined planes that allowed it to travel up steep slopes. Few remnants of this technological marvel remain.

*Draw the canal on your outline map. (Page 141 of **You, New Jersey and the World** will help.)*

8. First Turnpike, 1801

Turnpikes were wider and easier to travel on than earlier roads. Gates, called pikes, closed off sections. When the toll was paid, the pike was turned. The first turnpike was built in 1801. It stretched westward from Elizabeth, through Morristown and Newton, to the Delaware River.

9. Newark Airport, 1928

Built in Newark in 1928, Newark International Airport is one of the busiest and most modern in the world. Passengers arrive at the three terminals by monorail.

10. First Railroad, 1825

John Stevens built America's first steam locomotive and ran it on a circular track on his Hoboken estate. In 1832, his sons built and ran New Jersey's first railroad service between Bordentown and Perth Amboy.

11. Hudson River Tunnels:

Holland Tunnel, 1927

Lincoln Tunnel, 1937

Motorists drive under the Hudson River into Manhattan through these modern construction marvels. New Jersey's end of the Holland Tunnel is in Jersey City; its end of the Lincoln Tunnel is in Weehawken.

12. Ferries

Steam ferry service was the most reliable way to cross the Hudson River into New York City until large bridges were built in the 20th century. Steam ferries also crossed the Delaware River into Philadelphia. Ferries still carry passengers across the Hudson and Delaware rivers. You can also cross the Delaware Bay from Cape May into Lewes, Delaware on a ferry.

13. Seaports

Ships from around the world dock and unload their cargo in New Jersey's seaports. The Elizabeth Seaport was designed to unload containers from international cargo ships. Major seaports are also located in Newark, Camden, and the newest one in Salem.

14. Delaware and Raritan (D & R) Canal, 1834

The Delaware and Raritan Canal connected New Brunswick, on the Raritan River, with Bordentown, on the Delaware River. Irish laborers dug most of it by hand. At the time, the canal was the easiest way to travel and ship goods. Barges floated downstream, aided by mules. Railroads made the canal obsolete. Today, it is a state park popular with hikers, bikers, and boaters.

*Draw the canal on your outline map. (Page 141 of **You, New Jersey and the World** will help.)*

15. Benjamin Franklin Bridge, 1926

This modern steel suspension bridge crosses the Delaware River connecting Camden and Philadelphia.

16. Garden State Parkway, 1954

This 156-mile-long toll road starts in Cape May and continues to the New York State border near Montvale. It makes the Jersey Shore region more accessible for tourists and commuters.

Draw the parkway on your outline map.

Follow Up Activity

Place copies of icon pictures on a time line in correct chronological order.

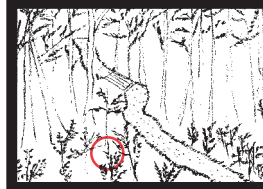
Environment Icons



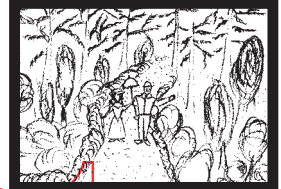
1. Bass River State Park



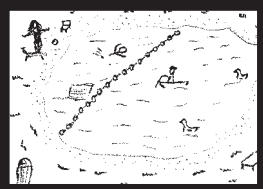
2. Wharton State Forest



3. Lebanon State Forest



4. Washington Cross. St. Pk.



5. Round Valley St. Pk.



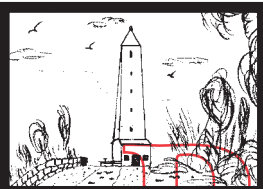
6. Spruce Run State Park



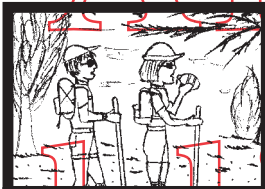
7. Delaware Water Gap



8. Worthington State Forest



9. High Point State Park



10. Appalachian Trail



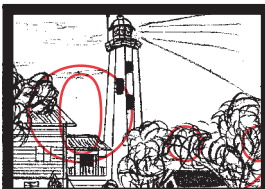
11. Stokes State Forest



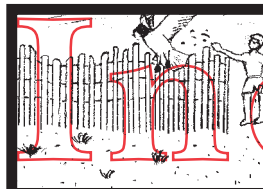
12. Great Swamp



13. D & R Canal St. Pk.



14. Sandy Hook Nat. Pk.



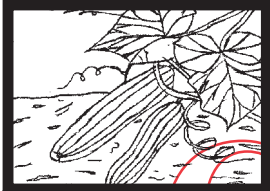
15. Island Beach St. Pk.



16. Forsythe Wildlife Ref.

Environment

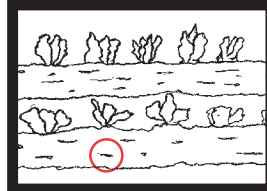
Agriculture Icons



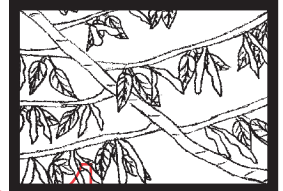
1. Cucumbers



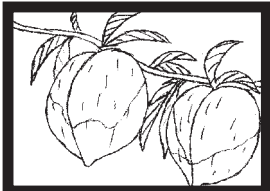
2. Eggplants



3. Spinach



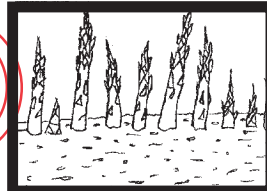
4. Soybeans



5. Peaches



6. Bell Peppers



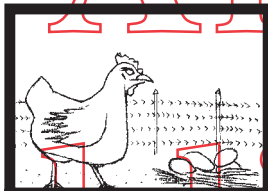
7. Asparagus



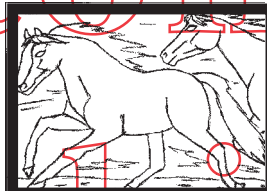
8. Tomatoes



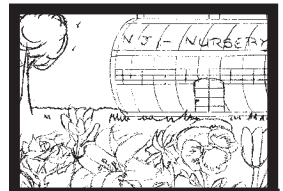
9. Dairy Cows



10. Chickens



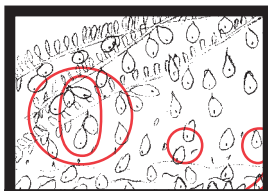
11. Horses



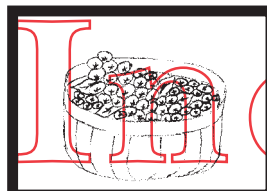
12. Flowers



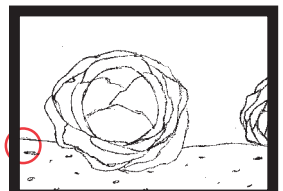
13. Sweet Corn



14. Cranberries



15. Blueberries



16. Lettuce

Agriculture

NJ Icon Map Maker Bingo

		FREE SPACE		

Create Your Own NJ Icon Map

