

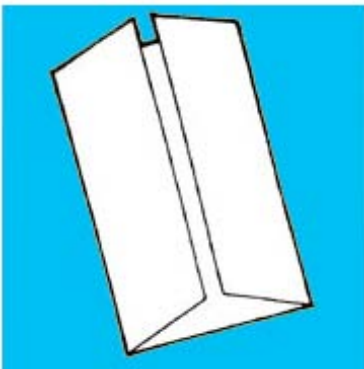


## The Little Red Lighthouse and the Great Gray Bridge

by Hildegard H. Swift

**five in a row** volume 3

# The Little Red Lighthouse and the Great Gray Bridge



## TO ASSEMBLE YOUR FOLD-AND-LEARN PRODUCT:

There is no right or wrong way to assemble your fold and learn product...let creativity be your guide. We like to start with two shutter-folded file folders and glue the outer flaps together. This is but one way to put it all together. Use whatever method you like and that works for you. Let your children have fun trying new ways to put it all together.

Make lift the flap books or other smaller books to place inside your folders. Make a pocket using staples or brads or a dab of glue or use an envelope to hold items inside. Have fun and enjoy!

TIP: GOOGLE the words lapbook and folds to find some great demonstration videos for creative ideas.

## *The Light-Keeper*

by Robert Louis Stevenson

The brilliant kernel of the night,  
The flaming lightroom circles me:  
I sit within a blaze of light

Held high above the dusky sea.  
Far off the surf doth break and roar  
Along bleak miles of moonlit shore,

Where through the tides the tumbling wave  
Falls in an avalanche of foam  
And drives its churned waters home  
Up many an undercliff and cave.

Source: The Penguin Book of Victorian Verse,  
p.685

**Did you know?** Robert Louis Stevenson's father [Thomas Stevenson] was a famous Lighthouse civil engineer and was the joint-engineer to the Board of Northern Lighthouses in the United Kingdom. His Grandfather, after whom he was named, invented the 'intermittent' lights for lighthouses as well as planned and/or constructed 23 lighthouses.



The above photo is of Fanny May Salter, the first woman lighthouse keeper to serve in the US Coast Guard. Her husband served as the lighthouse keeper on Chesapeake Bay for 25 years before he died and she took his place.

### **Using the Compound Words Puzzle Page [on the following page]**

There are several ways you can use the compound words page. Choose one you think your child will enjoy and place the results in your Fold and Learn.

1. Cut the page into strips horizontally and see if your student can solve the picture puzzles. If needed, give your child the list of words to help.
2. Cut the page in strips vertically and have your child build the compound word equations.
3. For the younger child, talk through the compound word picture puzzle together and write in the words.



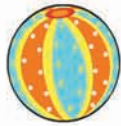
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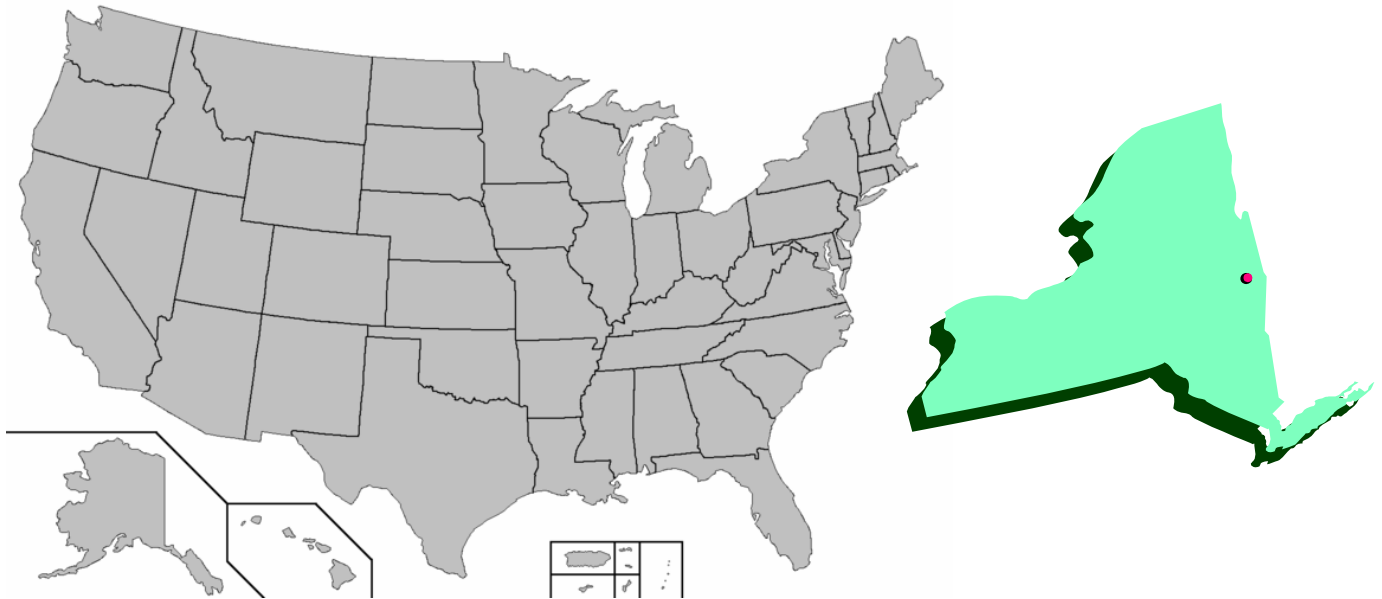
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- Answers:
1. doghouse
  2. football
  3. lighthouse
  4. lipstick
  5. butterfly
  6. cupcake
  7. rainbow



New York State Flag



# New York

## A FEW FACTS ABOUT *NEW YORK*:

State Capital: Albany

State Flower: Wild Rose

State Bird: Eastern Blue Bird

State Song: *New York, New York*

Main Rivers: Hudson River, Mohawk River, Genesee River

Size: New York is the 27th largest state in the United States.

## Lighthouses

Lighthouses help ships find their ports safely. They are built on harbors, islands, and beaches, acting as guides for ships at night or in a storm.

Many years ago, people set fires at the edge of the water to help boats find their way home. The Egyptians were the first people to build lighthouses or to use light to guide ships. The first known lighthouse was built in Alexandria, Egypt in 279 B.C.

The first lighthouse in America was the Boston Lighthouse on Brewster Island in Boston, Massachusetts. The lighthouse was first lit in 1716, but was destroyed during the Revolutionary War. It was restored following the war and still stands today.

The very first lighthouses used wick and oil lamps as a source of light. Back then, the light beam could only travel a few miles. When fog or storms came, the lighthouse keeper would fire cannons and ring bells hourly in addition to using the lamp light.

In 1822 the first modern lighthouse lens was invented by a Frenchman named Augustin Fresnel. He found out how to increase the light distance by using prisms. In 1841 the Fresnel Lens was installed for the first time in a lighthouse.

The oldest working lighthouse in existence today is a Roman built lighthouse called the Tower of Hercules in Spain. It is more than 1900 years old!



Little Brewster Island—Boston, MA



Augustin Fresnel



Fresnel Lens

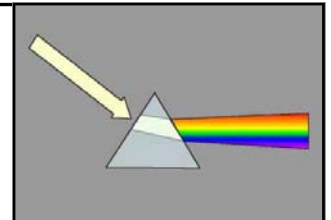


Tower of Hercules

### *What is a prism?*

A prism is a transparent piece of glass that is specially designed to refract or bend light.

A prism separates colors by reflecting and bending them at different degrees, much like droplets of water vapor bend sunlight into a rainbow.

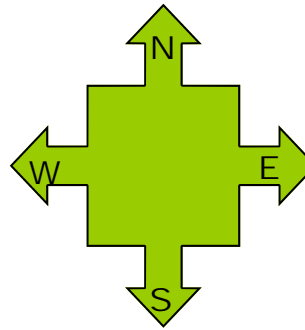


# NYC Neighborhood Map



Help your student learn North, South, East and West by placing the names of the New York City Landmarks [see photos on next 2 pages] on the map provided.

If your younger student isn't ready for this activity, enjoy making a miniphoto album of NYC and visit some of the recommended websites to see more images of New York. For map practice ask questions such as is the NYSE north or south of Radio City? Make it fun!



- Empire State Building- Midtown [between 33rd and 34th Streets]
- Wall Street- Lower Manhattan
- Times Square-Midtown [7th Avenue and Broadway]
- Rockefeller Center -Midtown [between 48th and 51st Street]
- Statue of Liberty-Liberty Island [Lower Manhattan]
- Radio City Music Hall-Midtown [1260 Avenue of the Americas]
- The Little Red Lighthouse-Washington Heights
- New York Stock Exchange-Lower Manhattan on Wall Street
- Metropolitan Museum of Art- Upper East Side on 5th Avenue
- Museum of Natural History-Upper West Side/Central Park West
- Ellis Island [on Ellis Island off Manhattan]



**THE LITTLE RED LIGHTHOUSE**

**GREAT WEBSITES YOU MIGHT VISIT:**

Why do they call NYC the "Big Apple"? Find the answer here: [http://www.classbrain.com/artaskcb/publish/article\\_124.shtml](http://www.classbrain.com/artaskcb/publish/article_124.shtml)

You Tube video "Drawing for Kids-Lighthouses"  
<http://www.youtube.com/watch?v=8hTAaVnde2Y>



**STATUE OF LIBERTY**



**NEW YORK STOCK EXCHANGE**



**MUSEUM OF NATURAL HISTORY**



**EMPIRE STATE BUILDING**

**I ♥ NY**





**MACY'S DEPARTMENT STORE**



**METROPOLITAN MUSEUM OF ART**



**RADIO CITY MUSIC HALL**



**TIMES SQUARE**



**ELLIS ISLAND**



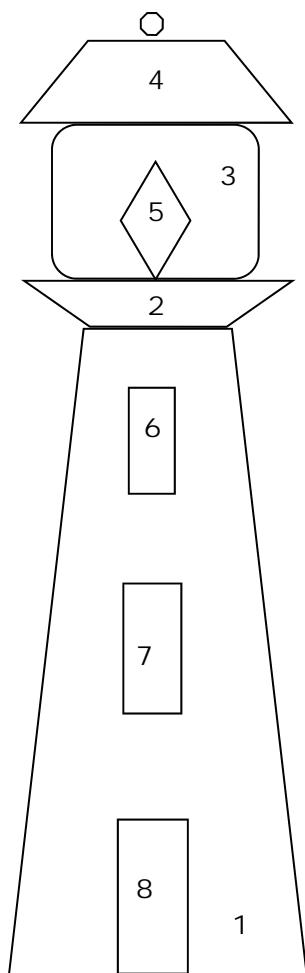
**ROCKEFELLAR CENTER**

## Bible Study & Character Supplement: Light in the Bible

Did you know that in the NIV version of the Bible there are more than 270 references to the word light? The Bible uses light as a metaphor for the gospel or the grace of God found in Jesus Christ that transforms us, enabling us to live lives that glorify Him. We are commanded in scripture to **be** light in the dark and sin filled world. [Matthew 5:13-16] Pick a verse you like that references "light" and have your student copy it in his neatest handwriting to place in his Fold and Learn. A younger child may wish to use the verse below.

"You are the  
light of the  
world."

Matthew 5:14 NIRV

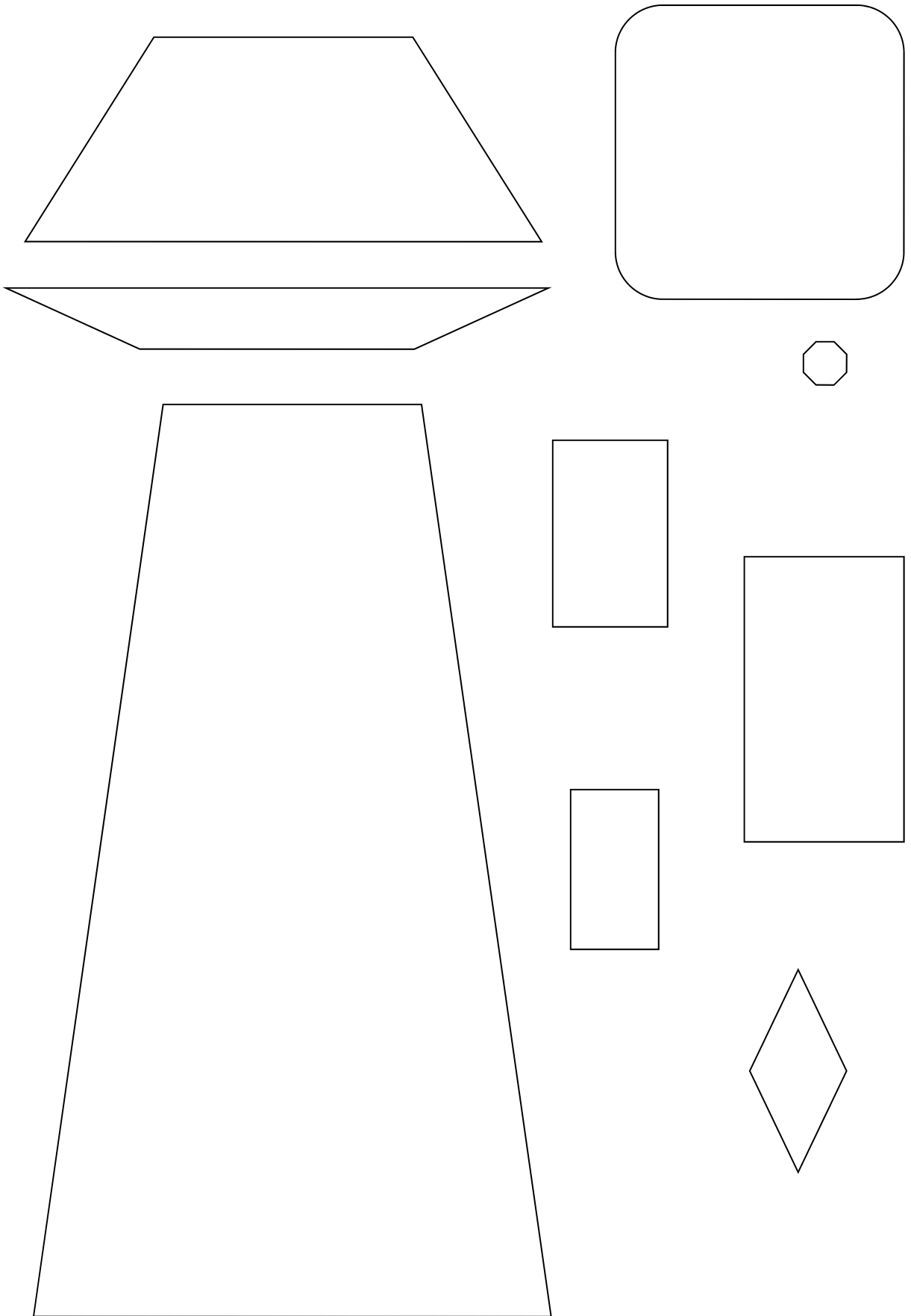


### Drawing Using Basic Shapes

Use the eight shapes found on the following page to make this simple lighthouse. [You may want to print them on colored paper or make smaller and larger versions to use in your art lesson on drawing big and little.

\*See also the link [in the **Great Websites** section on page four] to visit the You Tube video drawing lesson.

Use these shapes to build your own lighthouse.



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