

AUTUMN

Activity Book

3RD
Grade

autumn fall Thanksgiving

maple syrup **rain** acorns

squirrels chilly weather colors changing

pumpkin **leaves** fire **apples**

spice cinnamon **harvest**

sweaters cozy

hot cocoa



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Certificate of Completion

My Autumn Sketchbook

INSTRUCTIONS

- This is your mini book to celebrate the fall season.
- Cut out each of these pages on the dotted line down the middle.
- Assemble them into a mini booklet using staples or string to hold the pages together.
- Then carry the book and a pencil with you when you spend time outdoors during the fall!

This book belongs to:



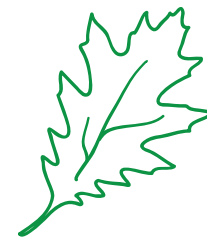
Draw your favorite **Tree**

How do trees look
during the fall season?

Write a story about a favorite memory you had there.

What color are the leaves during autumn?

Use paint or watercolor to draw leaves.



Did You Know:

Leaves change color in autumn because they start to lose their chlorophyll, the green pigment that absorbs light for photosynthesis. During winter there is not enough light for photosynthesis, so trees shed their food-making leaves. The beautiful colors come from the natural coloring of the leaves, as well as leftover glucose and other waste.





**Draw a flock of
birds in migration**



Draw a picture of an
Autumn Sunset

Bird Migration

Ever wonder why birds fly south for the winter? Scientists believe that birds are born with the natural urge to migrate—it is written into their genes. Even caged birds start acting differently during migration season. But how do the birds know where to go? Some experts think that the birds can sense the earth's magnetic field. Many scientists are still researching this theory.

Autumnal Equinox

The Autumnal Equinox is on the first day of fall. It is when the Northern Hemisphere and the Southern Hemisphere (the upper and lower halves of the earth) both face the sun in equal amounts.



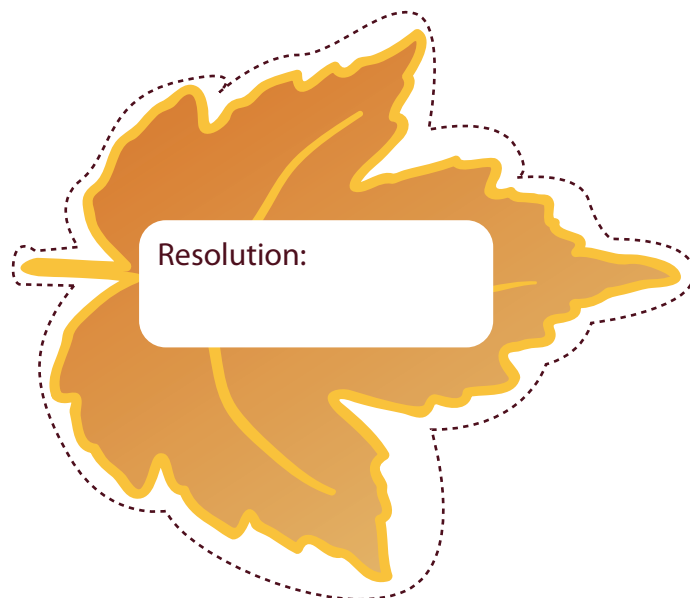
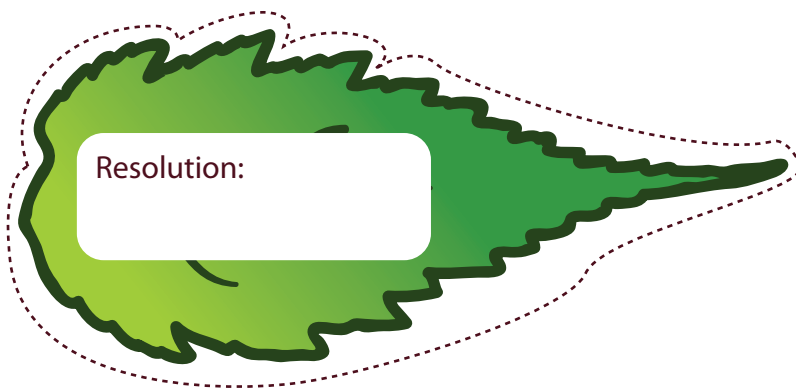
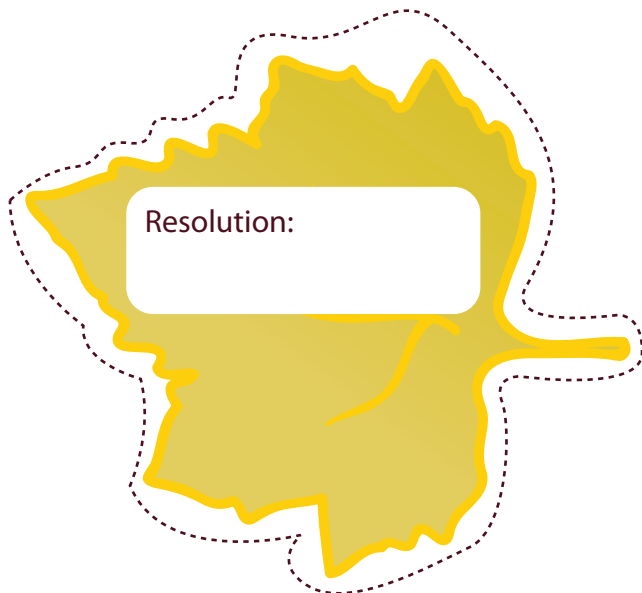
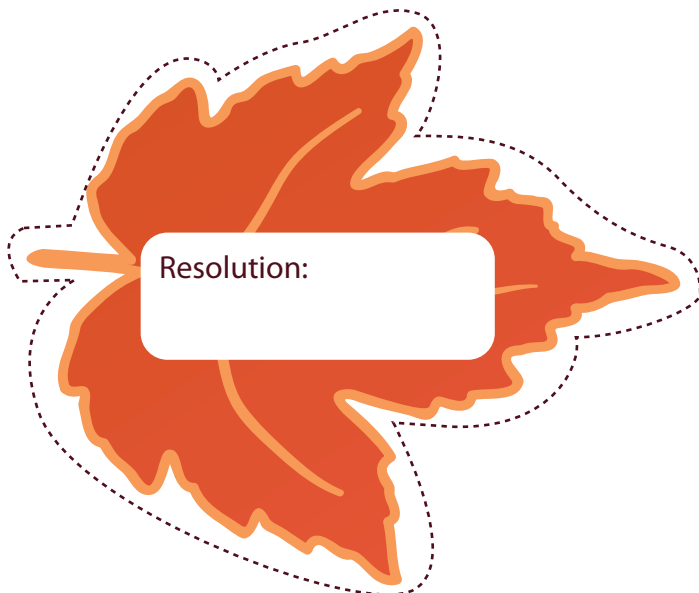
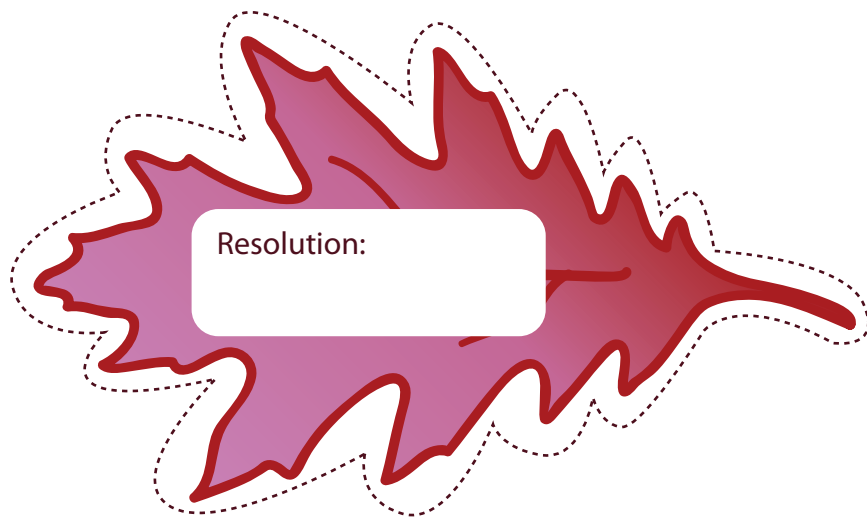
Fall Resolution Tree

The autumn season signals a winding down of sorts, when trees shed their leaves, leaves change their colors, and the end of the year approaches. Making resolutions is an activity normally set aside for the New Year. But any time of year is a fitting time to take a moment to identify goals and wishes and step back and express your thoughts. This year, create a festive fall resolution tree with your child to celebrate the season!



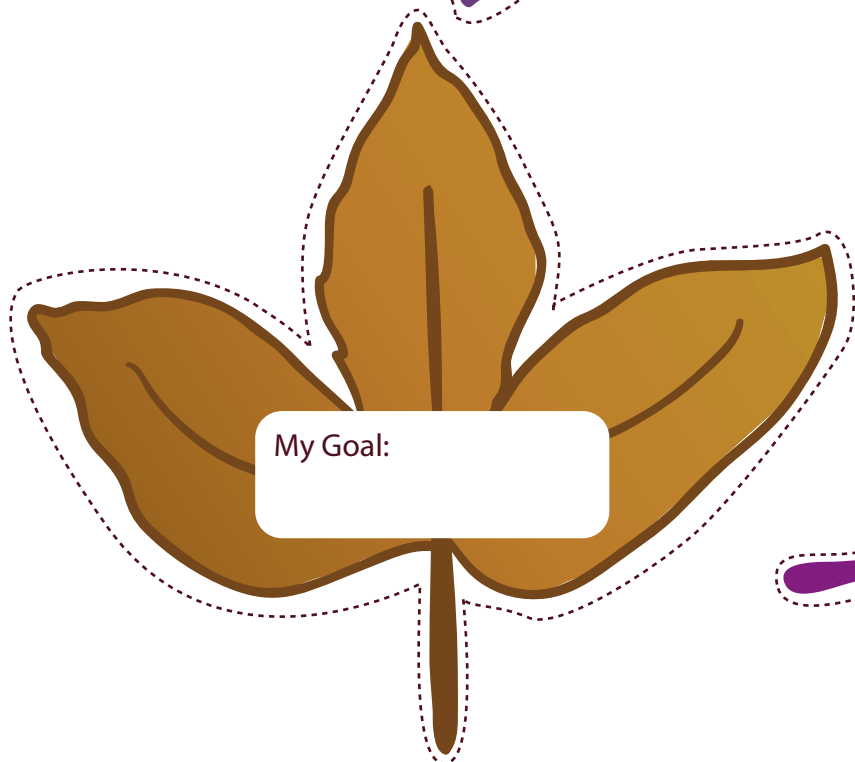
Fall Resolution Tree

Here are some leaves for your fall resolution tree.



Fall Resolution Tree

Here are some leaves for your fall resolution tree.



Fall Resolution Tree

Here are some leaves for your fall resolution tree.



Capture Fall Leaves in Stained Glass

Have you ever looked at a mounting pile of leaves on your yard? This activity provides a solution, giving your child a fun science lesson. So, as she's jumping in that pile you just raked up, have her catch a few of the brightest leaves while they float down so that she can create a "stained glass" window.

What You Need:

- Wax paper
- Newspaper
- Construction paper cut into 1" strips for the frame
- Glue
- Colorful Fall Leaves
- Clothing iron



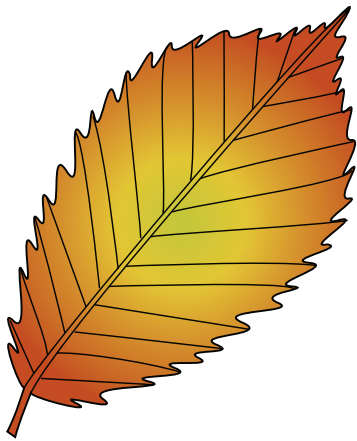
What You Do:

- Cut two pieces of wax paper of the same size.
- Position one or several of leaves in between them leaving plenty of space around the edges of the leaves to form a seal.
- Next, heat your iron to medium heat, and quickly iron the leaves. This will melt the wax and seal them. Note: this melting usually happens in just one pass of the iron. Try to avoid moving the iron back and forth repeatedly -- that only pulls wax out of the paper, and doesn't improve the seal.
- Finally, trim your edges slightly and glue 1" strip of colorful construction paper onto the edge to frame your "glass".
- Tape your stained glass in the window and let the light shine through.

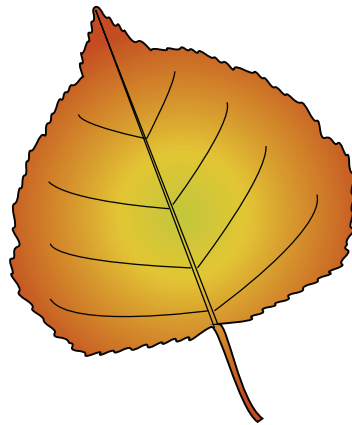
Take time to talk about the change in seasons and what that means for the trees. Why do leaves change color and fall? In the autumn chlorophyll breaks down, allowing the other pigments to be seen. Leaves fall because trees are getting ready by storing up their nutrients in their roots instead of their leaves.

Leaf Types

There are many types of leaves. Go outside and see if you can find any of these leaf shapes.



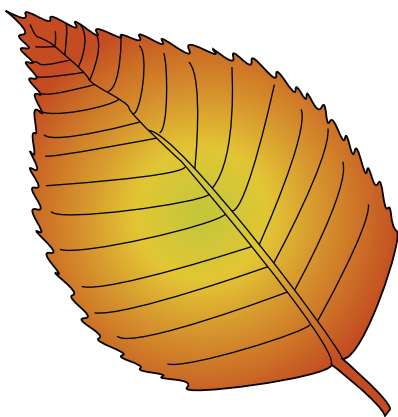
Elm



Poplar



Walnut



Birch



Maple



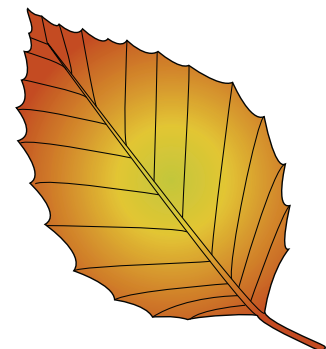
Oak



Willow



Ash



Beech

Make Leaf Rubbing Animals

Try this simple craft to celebrate the season of transition. When the neighborhood is carpeted with fallen leaves, gather a few on an afternoon walk and use them to create a simple crayon rubbing, in the shape of her favorite animal.

What You Need:

- Found fall leaves in different shapes and sizes
- Lightweight white paper (printer paper is fine)
- Crayons
- 1 sheet of cardboard about the same size as your paper (try reusing the front of a cereal box)
- Scissors
- Clear-drying, non-toxic glue
- Printable leaf rubbing frames (optional)



What You Do:

- Ask your child to choose an animal, then help her choose leaves to form the animal's body. Trim leaves to size with scissors if necessary.
- Have her arrange the leaves on the cardboard in the shape of her animal.
- Gently lift each leaf and glue it to the cardboard. Set it aside to dry.
- Have your child pick a crayon from the box, then remove the paper wrapping. Place the white paper over the leaf animal and help her rub the crayon over the paper sideways (like a rolling pin).
- Watch as your leaf animal appears! Once the leaf is fully transferred, have your child add finishing details to her animal such as eyes, ears, and mouth.

Try making a rubbing in the shape of a turkey for a sweet homemade Thanksgiving decoration.





Find Out Why Leaves Change Color

The annual changing of leaves from green to different shades of yellow, orange, and red is perhaps the most beautiful. Want to give your child a peek into the science behind a tree's changing leaves? With this activity, you'll show how those colors stay hidden in the leaf all year long!

What You Need:

- Leaves
- small jar (a baby food jar work well)
- cover for jars or aluminum foil or plastic wrap
- rubbing alcohol
- paper coffee filter
- hot tap water
- plastic knife or spoon



What You Do:

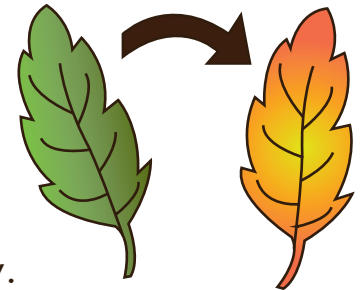
- Collect 2-3 large leaves from the same tree type. Tear or chop the leaves into very small pieces and put them into small jars.
- Add enough rubbing alcohol to the jar to cover the leaves. With a plastic knife or spoon, chop and grind the leaves in the alcohol.
- Cover the jar very loosely with a lid, plastic wrap or aluminum foil. Place the jar into a shallow tray containing 1 inch of hot tap water.
- Keep the jar in the water for at least a half-hour, until the alcohol has become colored (the darker the better). Twirl the jar gently about every five minutes. Replace the hot water if it cools off.
- Cut a long thin strip of coffee filter paper. Remove the jar from the water and uncovered. Place a strip of filter paper into the jar so that one end is in the alcohol. Bend the other end over the top of the jar and secure it with tape.

The alcohol will travel up the paper, bringing the colors with it. As the alcohol evaporates the colors will travel different distances up the paper. You'll see different shades of color, depending on the type of leaf.

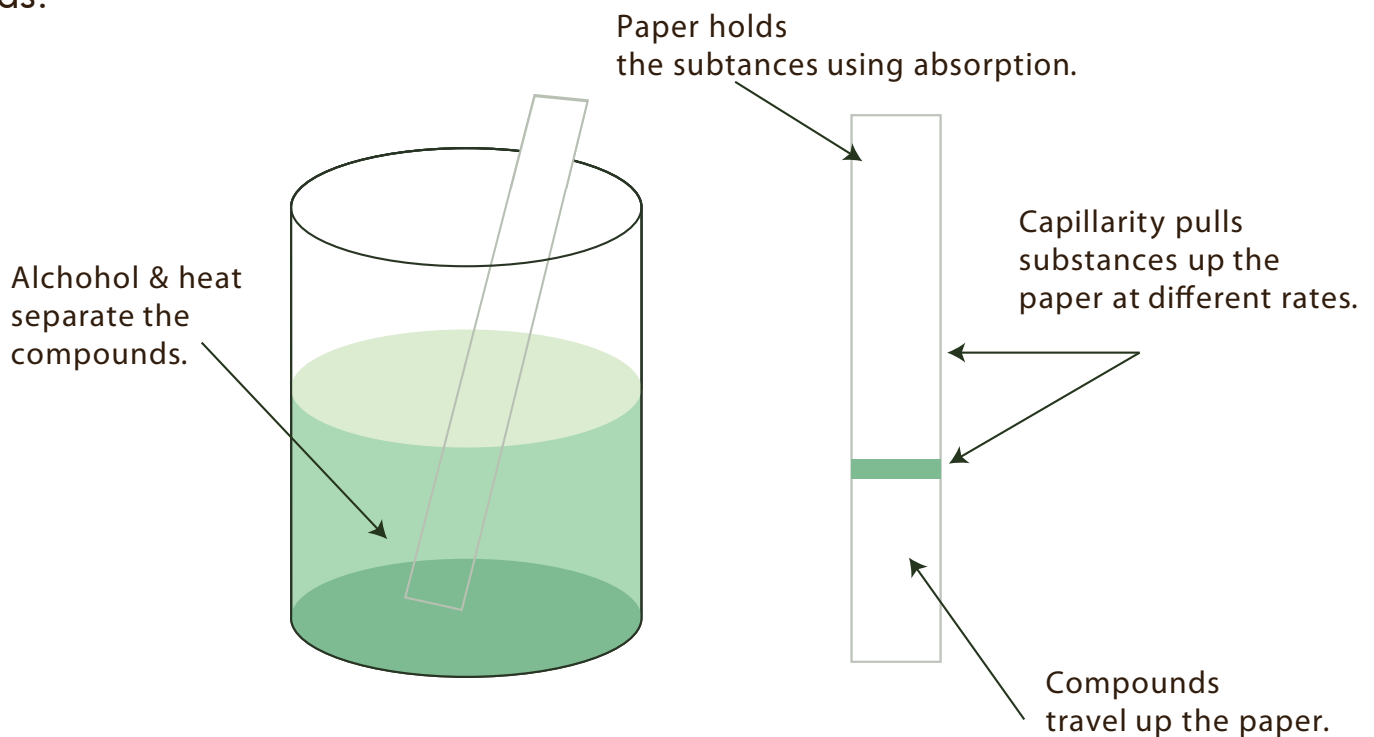
SAFETY NOTE: rubbing alcohol can be harmful if mishandled. Use in a well-ventilated area, and avoid contact with skin.

Find Out Why Leaves Change Color

Chlorophyll is a substance found in all leaves. It allows the leaves of the plant to photosynthesize, which is when they make energy from sunlight. Chlorophyll is green, and it hides the other colored pigments that are in leaves. In the fall, chlorophyll breaks down because there's not enough sunlight to perform photosynthesis. When the chlorophyll breaks down, the other pigments in the leaves start to show.



The mix of pigments in a leaf may be separated into bands of color. We can see this same effect by doing a *chromatography* experiment. Chromatography involves the separation of mixtures into individual components. By "**absorption**" and "**capillarity**," separation can take place. The paper holds the substances using absorption, while capillarity pulls the substances up the paper at different rates. Pigments are separated on the paper and show up as colored streaks or bands.



Make a Raffia-Wrapped Fall Wreath

Looking for a way to get into the fall spirit? Try doing this fun arts and crafts project with your child! As he designs his own raffia-wrapped wreath, he'll get lots of fine motor skills practice, and you'll end up with a beautiful autumn decoration that's perfect for hanging on your front door.

What You Need:

- 12-inch wire wreath frame
- Raffia leaves (real or silk)
- Scissors
- Hot glue gun
- Fall nature items
(such as colorful leaves, nutshells, etc.)



What You Do:

- Take your child on a walk through the backyard or around the neighborhood to collect nature items for his wreath. Ask him how we can tell that fall is coming. What are some of the signs that he notices?
- When you get back to the house, lay out your materials and help him use scissors to cut lengths of raffia.
- After it's all cut, have him take a length of raffia and wrap it around the wreath frame, tying the ends together before adding more.
- Help him continue wrapping and tying until the wire frame is completely covered.
- Encourage him to position a few of the fall items he found on the nature walk around the wreath. Once he's decided where he wants everything to go, you can secure the items to the wreath using a hot glue gun.

After the glue dries, hang the finished fall wreath on your front door for friends and neighbors to admire!

Fall Banner

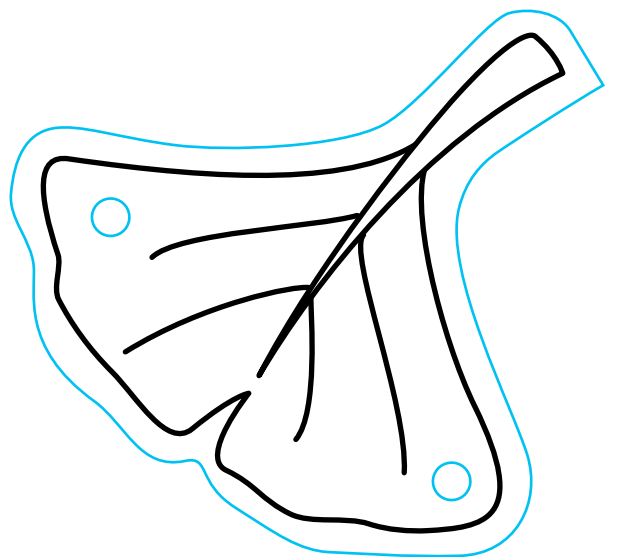
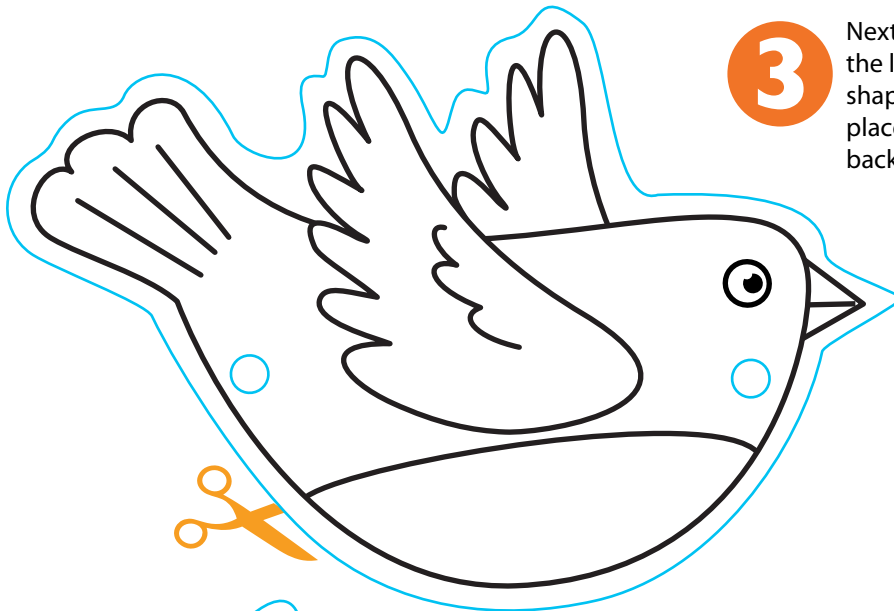
This project works best printed on heavy paper!

1 Print, then color in as many pieces as you like. Ask a grown-up to help cut out the shapes. To determine how much string, ribbon or yarn you will need, place all of the finished pieces in a line and measure. Be sure to add about an inch or two for spacing in between the shapes and several inches at both ends for tying. You will also need a hole punch or a pen.

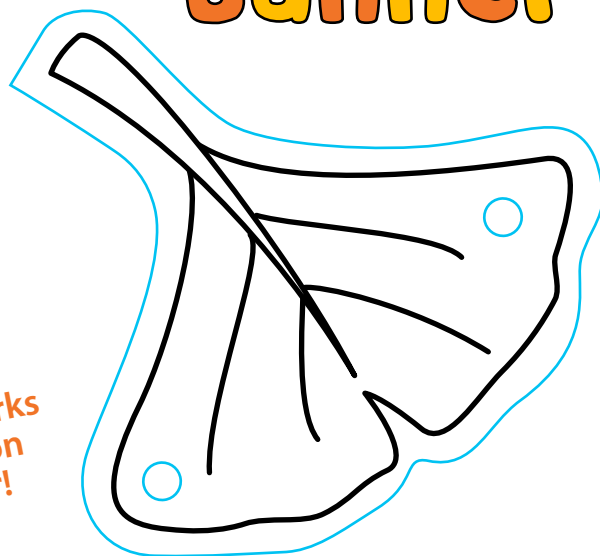
2 Punch holes where indicated on the shapes. If you don't have a hole punch, ask an adult to make the holes carefully with a ball point pen.

3 Next, thread each shape onto your ribbon keeping the longest sections of ribbon on the back of each shape. If the shapes are loose and don't stay in place on the banner, add a piece of tape to the back of each to secure the ribbon to the paper.

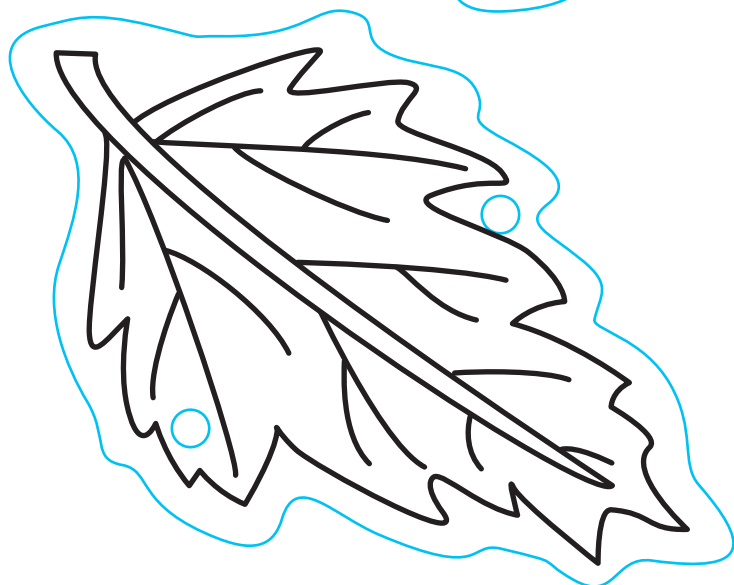
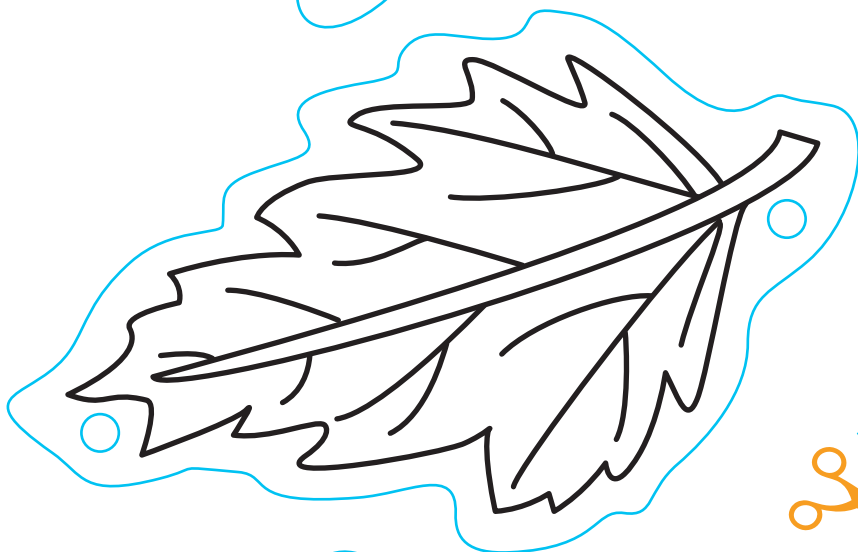
*Have a grown-up help tape or tie your banner up in your room or anywhere in the house where there's room!
If the weather is good you can even hang it outside!*



Fall Banner



This project works best printed on heavy paper!



Creative Writing

Imagine that this year for Thanksgiving you invited a scarecrow to dinner. Write a funny paragraph describing your experience. Use your imagination!

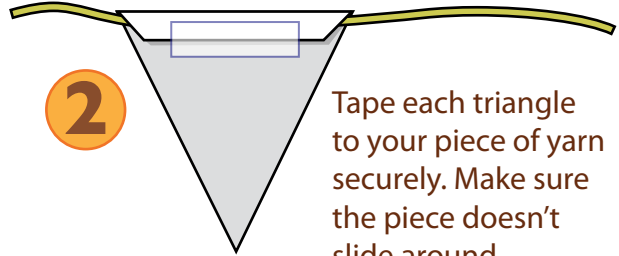
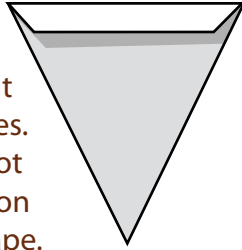


Color and make your own

1

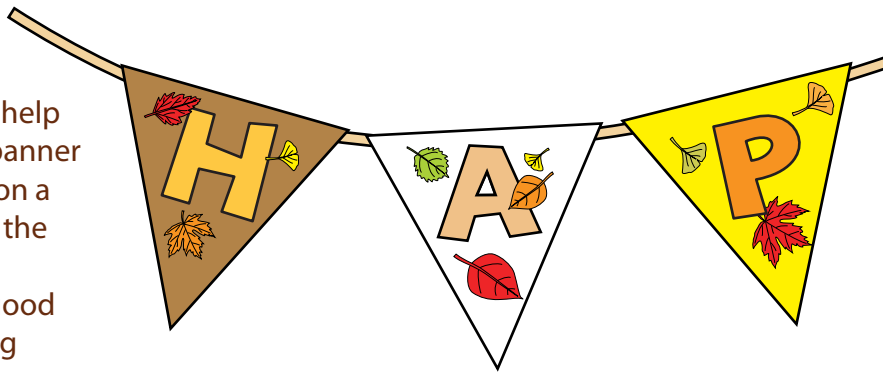
THANKSGIVING BANNER!

1 After the pieces have been colored, have a grown-up cut and fold the triangles. You will need a 6 foot piece of string, ribbon or yarn and some tape.

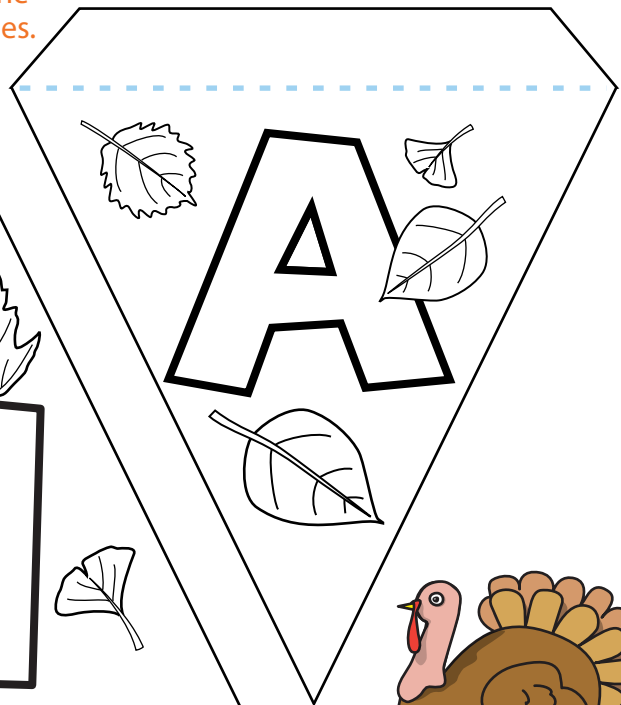
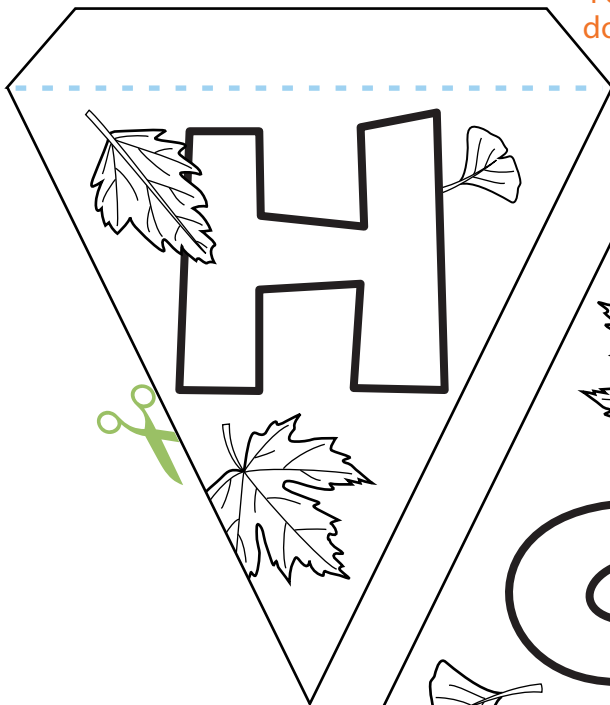


Tape each triangle to your piece of yarn securely. Make sure the piece doesn't slide around.

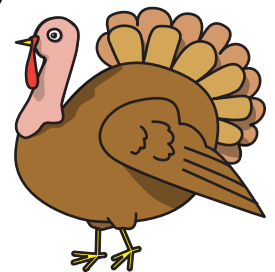
3 Have a grown-up help tape or pin your banner up in your room, on a big window, or in the dining room. If the weather is good you can even hang it outside!



Fold on the dotted lines.



Print on **thicker paper** for best results.



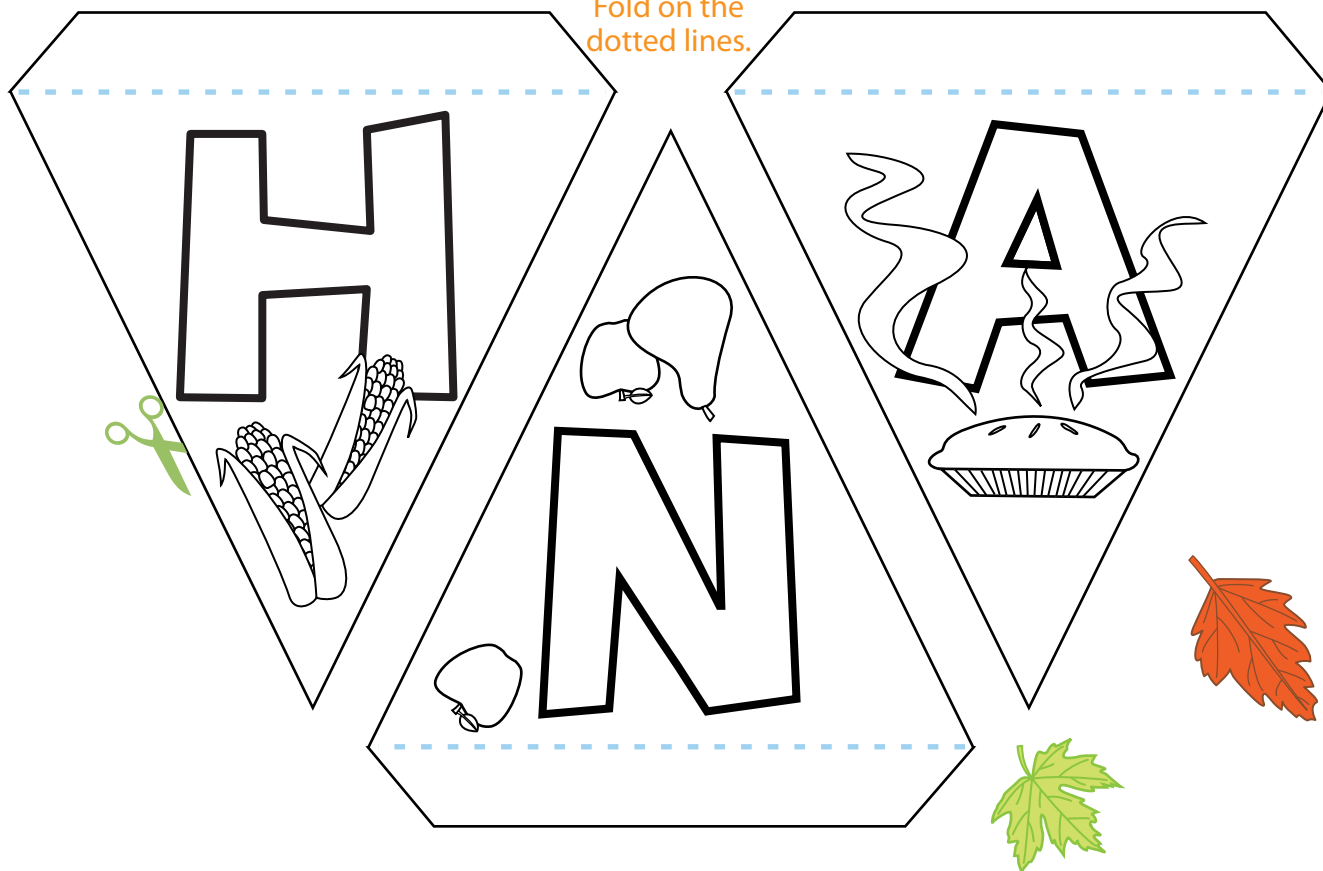
Color and make your own



THANKSGIVING BANNER!

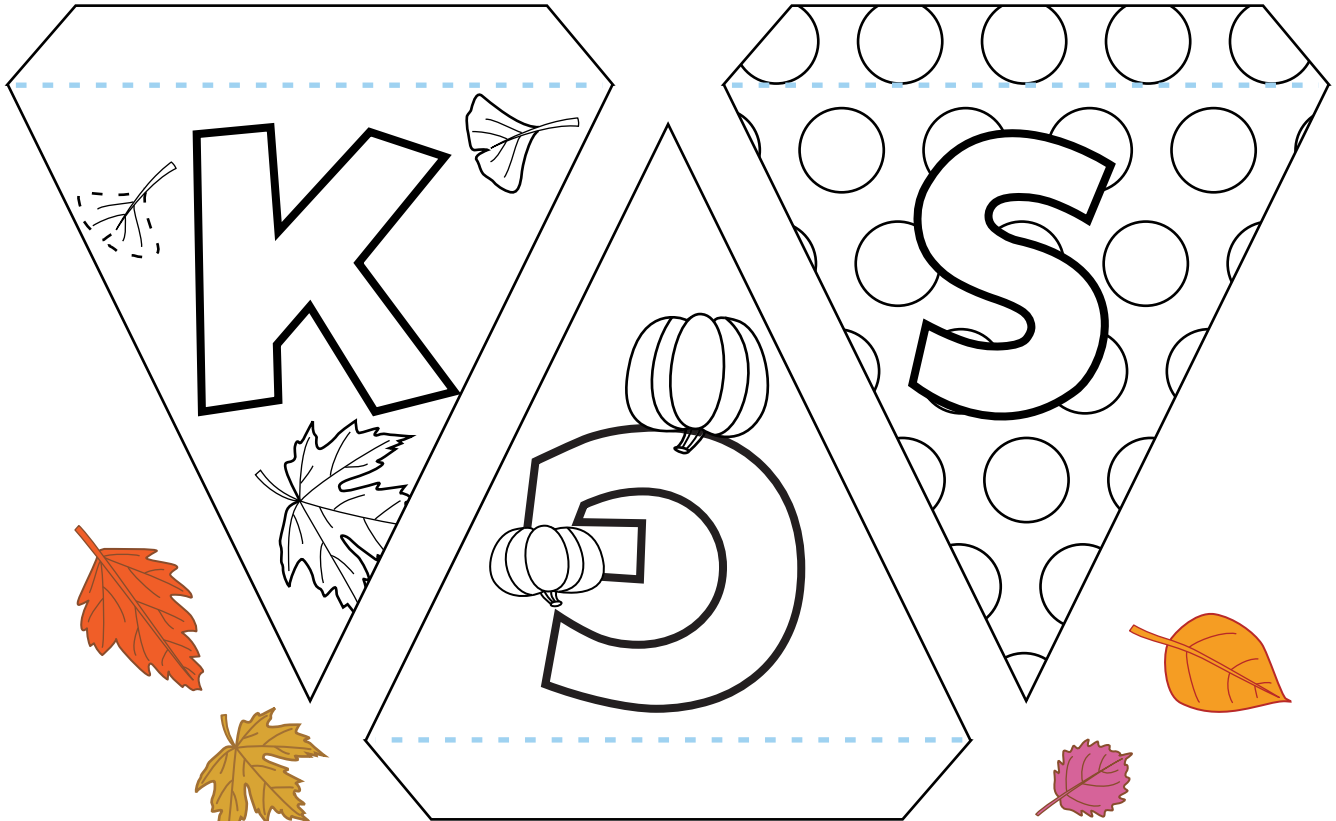


Fold on the dotted lines.

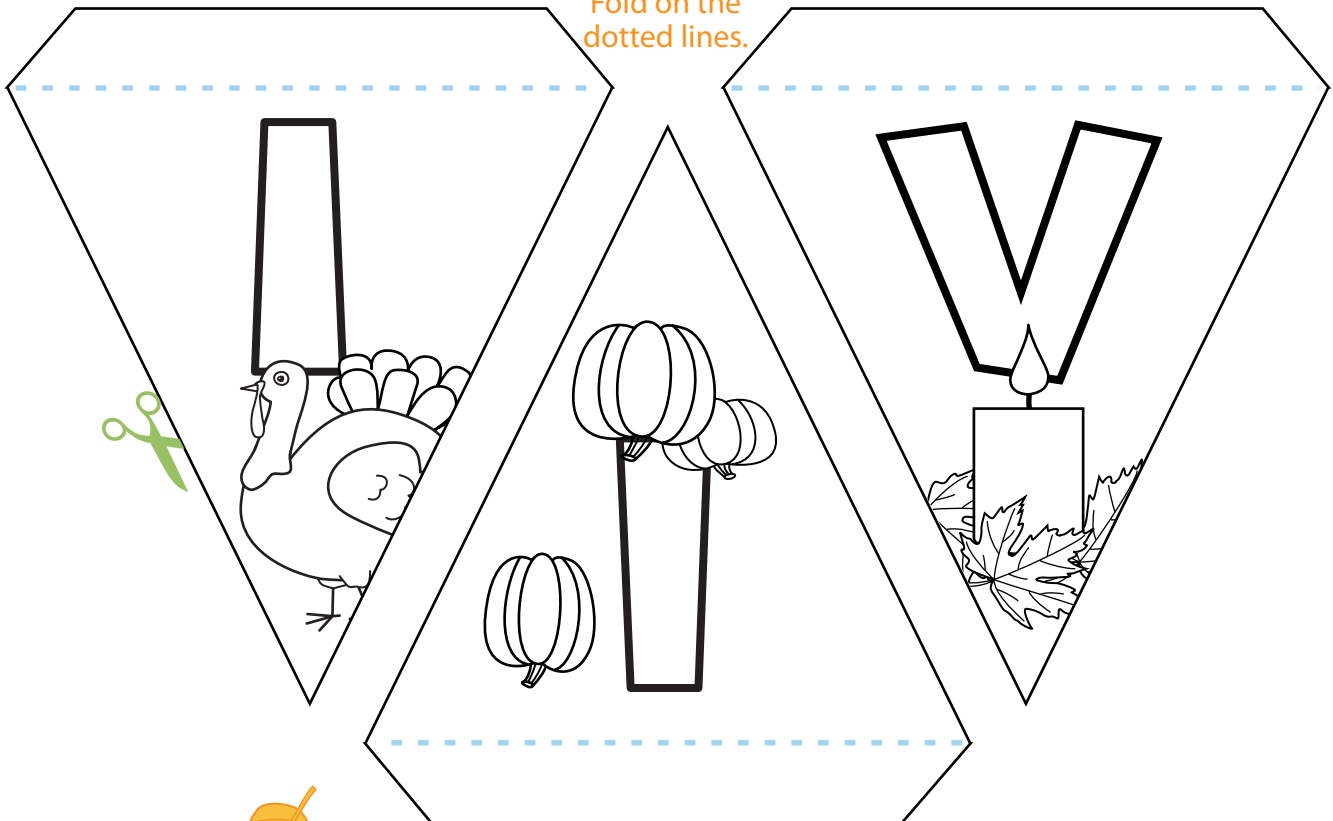


Color and make your own

THANKSGIVING BANNER!

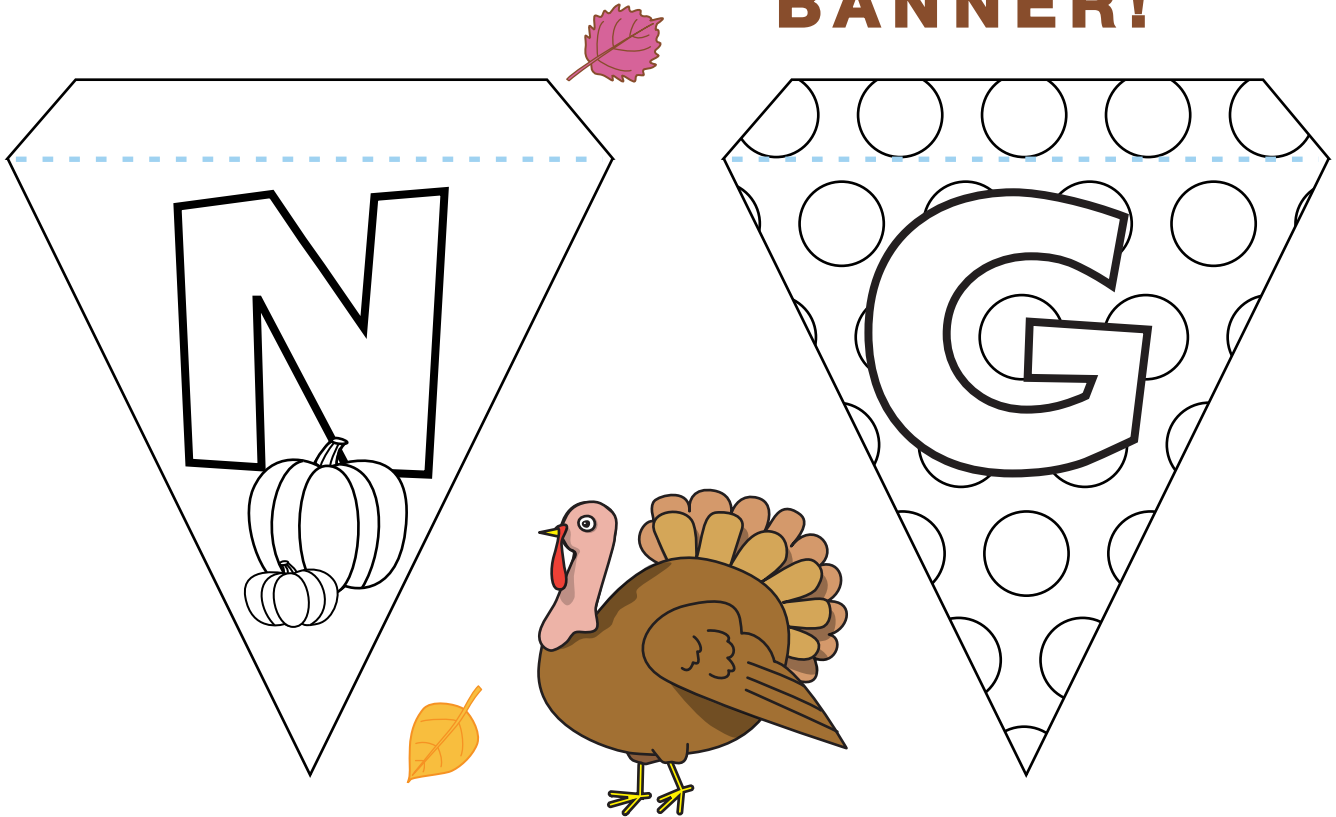


Fold on the dotted lines.

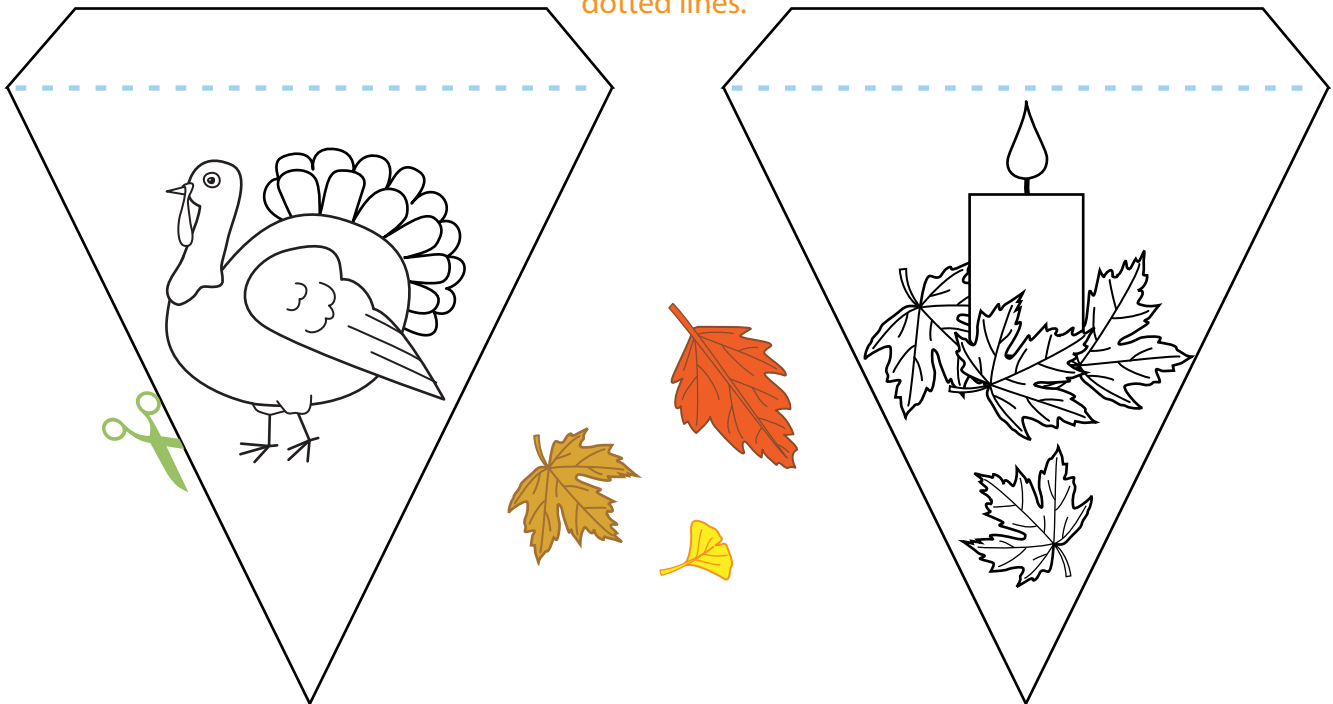


Color and make your own

THANKSGIVING BANNER!



Fold on the dotted lines.

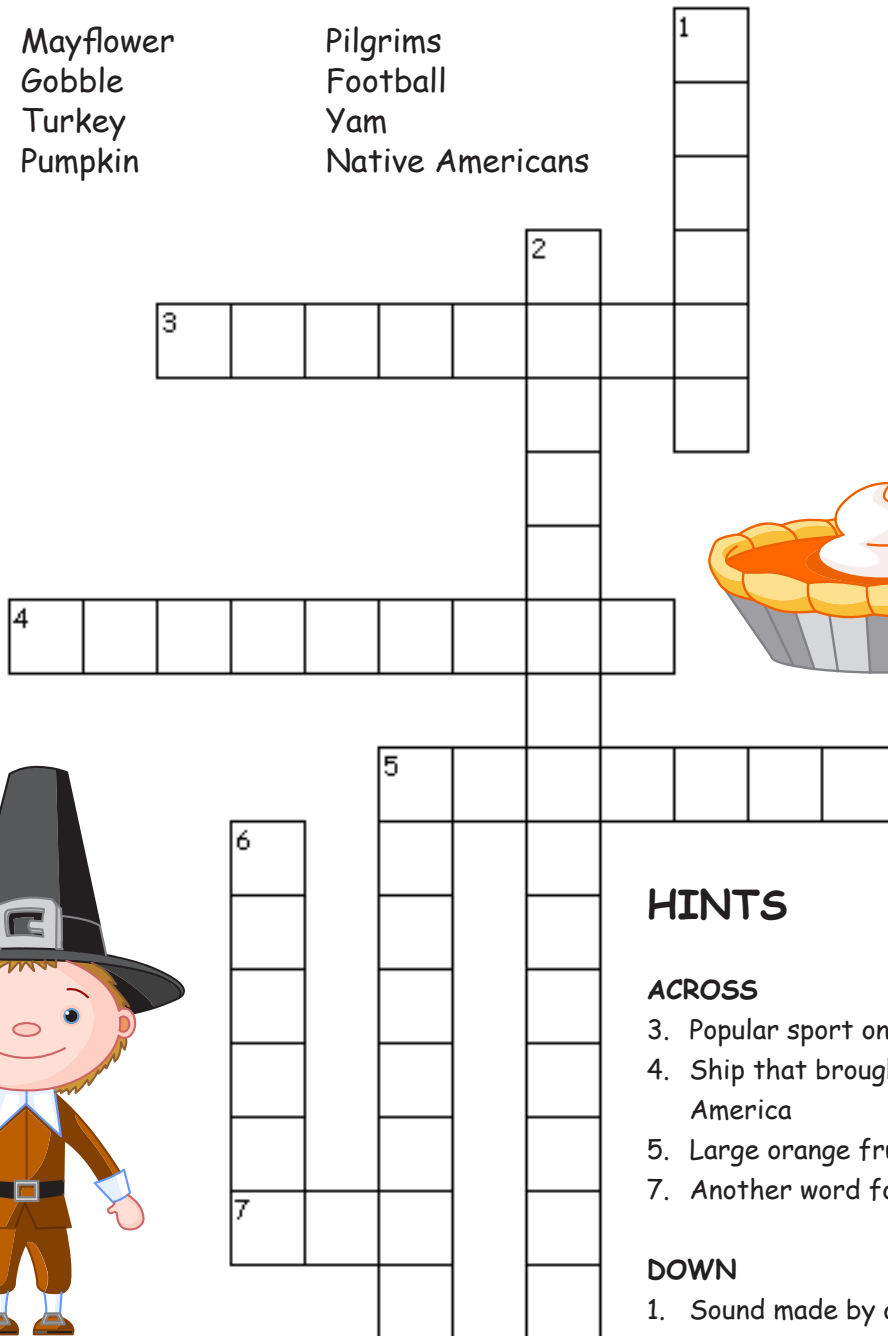


Thanksgiving Crossword Puzzle

Fill in the blanks with the words from this list. Use the hints below!

Mayflower
Gobble
Turkey
Pumpkin

Pilgrims
Football
Yam
Native Americans



HINTS

ACROSS

- Popular sport on Thanksgiving
- Ship that brought settlers to America
- Large orange fruit, made into pie
- Another word for sweet potatoes

DOWN

- Sound made by a Thanksgiving bird
- People who helped the settlers
- People who settled in America
- Big bird eaten on Thanksgiving

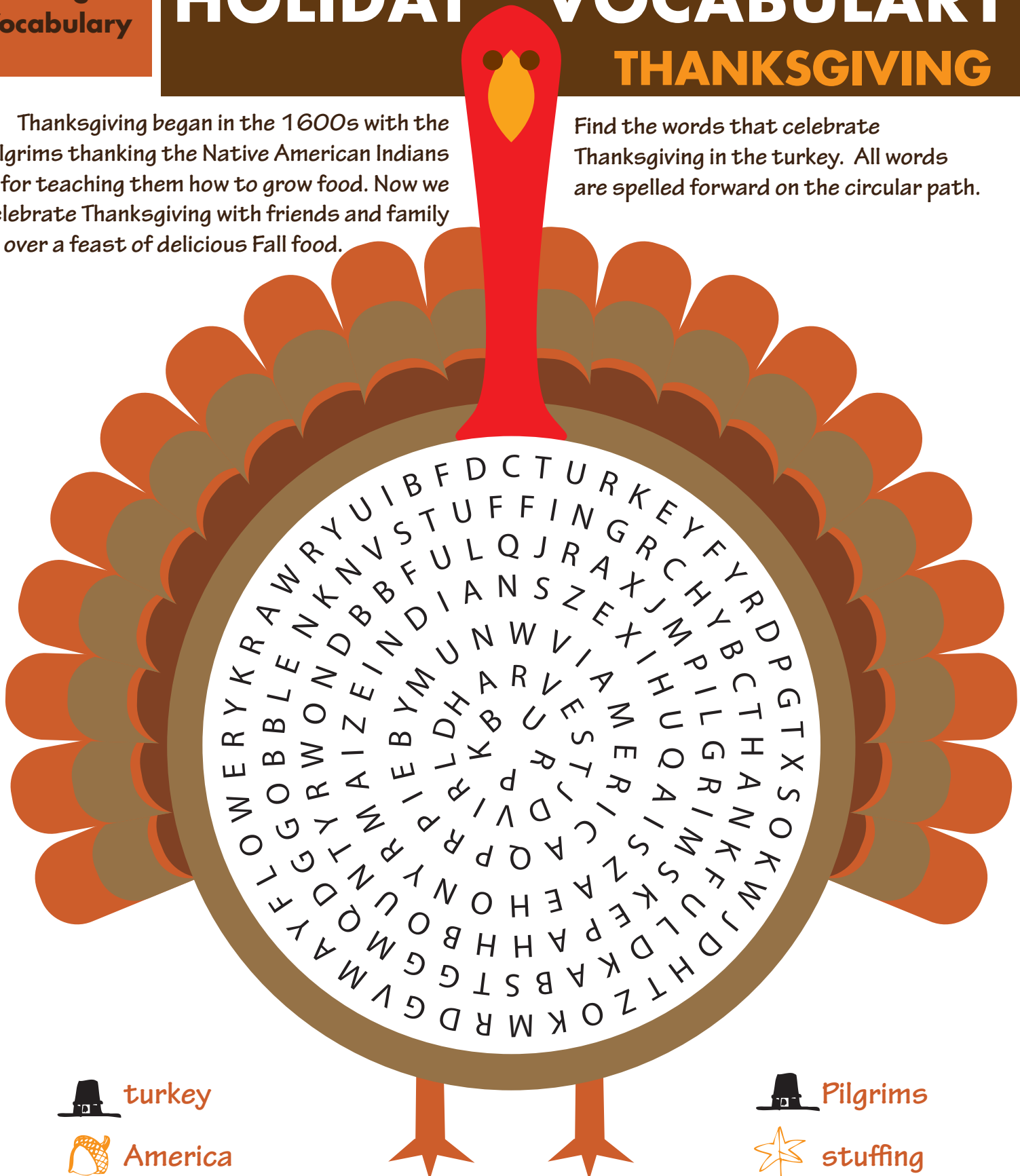
ANSWERS: Across: 3. Football 4. Mayflower 5. Pumpkin 7. Yam
Down: 1. Gobble, 2. Native Americans 5. Pilgrims 6. Turkey

HOLIDAY VOCABULARY

THANKSGIVING

Thanksgiving began in the 1600s with the Pilgrims thanking the Native American Indians for teaching them how to grow food. Now we celebrate Thanksgiving with friends and family over a feast of delicious Fall food.

Find the words that celebrate Thanksgiving in the turkey. All words are spelled forward on the circular path.



turkey



Pilgrims



America



stuffing



bounty



pie



harvest



thankful



gobble



Mayflower



maize



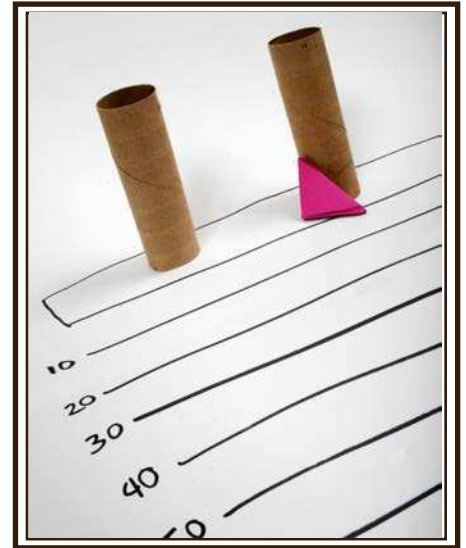
Indians

Paper Football

Fold a simple paper football, flick and try to make a goal! A fun way to practice addition skills, too. And it makes for a great indoor activity for sick days or bad weather days.

What You Need:

- Ruler
- Three or four pieces of paper
- Pen
- Four toilet paper rolls or two paper towel rolls, cut into four pieces



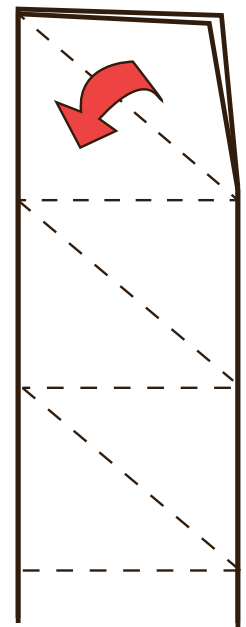
What You Do:

- Use a ruler to measure out and mark yard lines on your paper football “field”. Use a large piece of paper or several pieces of paper taped together to make a large playing area.
- Please follow the folding instructions on page 2.
- Make “goalposts” out of four empty toilet paper rolls, two paper towel rolls cut in half, or even a friend’s two fingers held apart. Put the paper football on its side, hold with index finger and flick with thumb and index finger of the opposite hand. Try to score a goal!

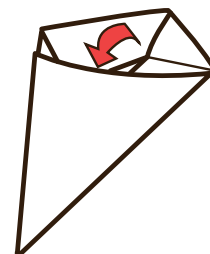
Paper Football Instructions

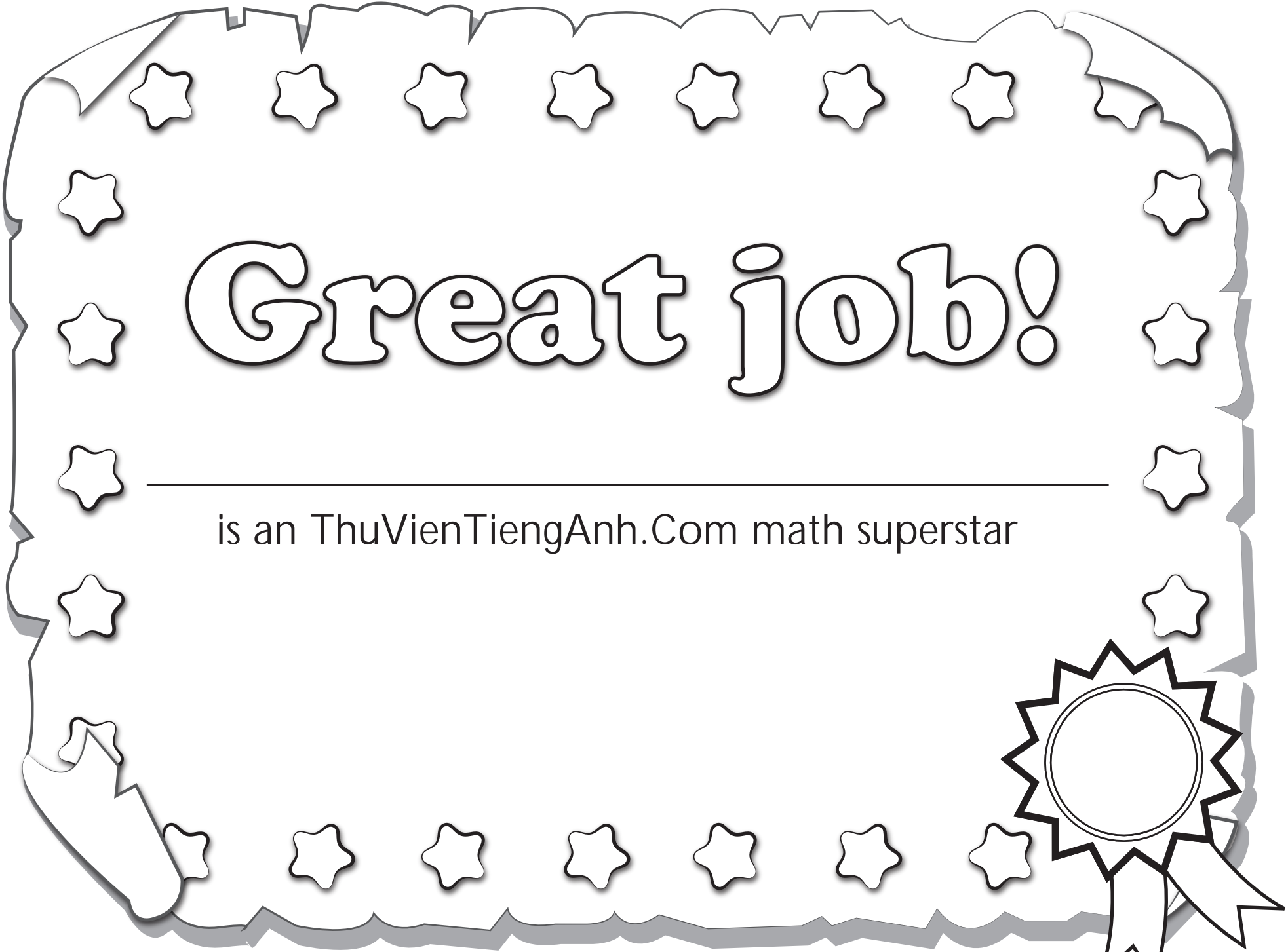
- Cut out the brown half of this page along the dotted line.
- Fold it over vertically (hot dog style)
- Holding the paper vertical (tall) fold the top-right corner down into a triangle.

- Continue to fold down making the triangles until you run out of paper to fold.



- Tuck any leftover paper into the "pocket" on the top of the ball, like so:





Great job!

is an ThuVienTiengAnh.Com writing superstar

