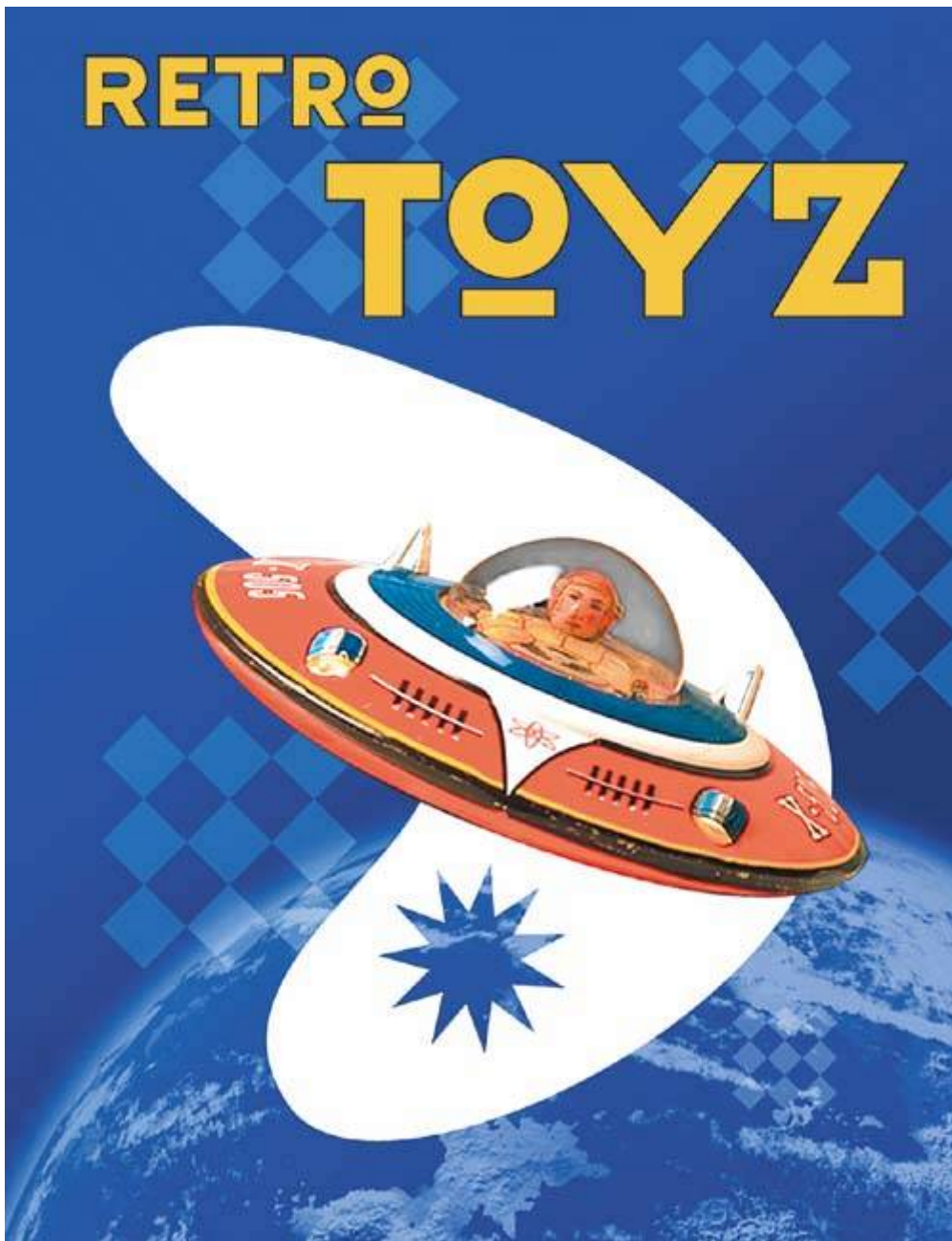


Chapter 10. Vector Drawing Techniques



Unlike bitmap images, vector images retain their crisp edges at any enlargement. You can draw vector shapes and paths in your Photoshop images and add vector masks to control what is shown in an image. This lesson will introduce you to

advanced uses of vector shapes and vector masks.

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Lesson overview

In this lesson, you'll learn how to do the following:

- Differentiate between bitmap and vector graphics.
- Draw straight and curved paths using the Pen tool.
- Convert a path to a selection, and convert a selection to a path.
- Save paths.
- Draw and edit layer shapes.
- Draw custom layer shapes.
- Import and edit a Smart Object from Adobe Illustrator.

This lesson will take about 90 minutes to complete. If needed, remove the previous lesson folder from your hard drive, and copy the Lesson10 folder onto it from the *Adobe Photoshop CS2 Classroom in a Book* CD.

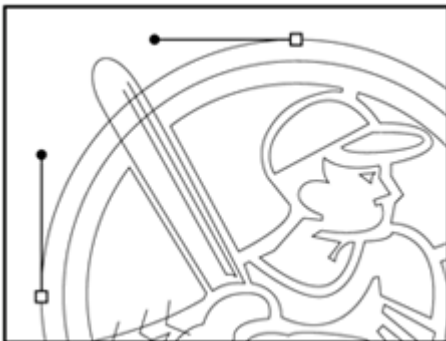
About bitmap images and vector graphics

Before working with vector shapes and vector paths, it's important to understand the basic differences between the two main categories of computer graphics: *bitmap images* and *vector graphics*. You can use Photoshop to work with either type of graphic; in fact, you can combine both bitmap and vector data in an individual Photoshop image file.

Bitmap images, technically called *raster images*, are based on a grid of colors known as pixels. Each pixel is assigned a specific location and color value. In working with bitmap images, you edit groups of pixels rather than objects or shapes. Because bitmap graphics can represent subtle gradations of shade and color, they are appropriate for continuous-tone images such as photographs or artwork created in painting programs. A disadvantage of bitmap graphics is that they contain a fixed number of pixels. As a result, they can lose detail and appear jagged when scaled up onscreen or if they are printed at a lower resolution than that for which they were created.

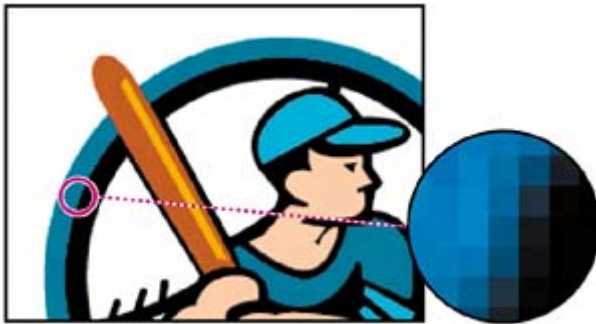
Vector graphics are made up of lines and curves defined by mathematical objects called *vectors*. These graphics retain their crispness whether they are moved, resized, or have their color changed. Vector graphics are appropriate for illustrations, type, and graphics such as logos that may be scaled to different sizes.

Logo drawn as vector art





Logo rasterized as bitmap art



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About paths and the Pen tool

In Photoshop, the outline of a vector shape is a *path*. A path is a curved or straight line segment you draw using the Pen tool, Magnetic Pen tool, or Freeform Pen tool. Of these tools, the Pen tool draws paths with the greatest precision; the Magnetic Pen tool and Freeform Pen tool draw paths as if you were drawing with a pencil on paper.

TOOL TIPS FROM THE PHOTOSHOP EVANGELIST

Julieanne Kost is an official Adobe Photoshop evangelist.



Any tool in the toolbox can be selected with a single letter shortcut key. Type the letter, get the tool. For example, press P to select the Pen tool. Pressing Shift with the key cycles through any nested tools in a group. So pressing Shift-P toggles between the Pen and Freeform Pen tools.




Paths can be open or closed. Open paths (such as a wavy line) have two distinct endpoints. Closed paths (such as a circle) are continuous. The type of path you draw affects how it can be selected and adjusted.

Paths that have not been filled or stroked do not print when you print your artwork. This is because paths are vector objects that contain no pixels, unlike the bitmap shapes drawn by the Pencil tool and other painting tools.

Getting started

You'll start the lesson by viewing a copy of the finished image that you'll create a poster for a fictitious toy company.

1. Start Adobe Photoshop, holding down Ctrl-Alt-Shift (Windows) or Command-Option-Shift (Mac OS) to restore the default preferences. (See "[Restoring default preferences](#)" on [6](#).)
2. When prompted, click Yes to confirm that you want to reset preferences, and Close to close the Welcome Screen.
3. Click the Go to Bridge button () on the tool options bar to open Adobe Bridge.
4. In the Favorites palette in the upper left corner of Bridge, click the Lessons favorite, and then double-click the Lesson10 folder in the thumbnail preview area.
5. Select the 10End.psd file so that it appears in the Preview palette at left. Enlarge the palette if necessary to get a good close-up view.



To create this poster, you'll open the image of the toy space ship and practice making paths and selections using the Pen tool. Along the way, you'll learn advanced uses of path and vector masks, and ways to use Smart Objects, as

you create the background shapes and type.

Note

If you open the 10End.psd file in Photoshop, you might be prompted to update text layers. If so, click Update. This notice sometimes appears when files are transferred between computers, especially between Windows and Mac OS.

6. When you're done looking at 10End.psd, double-click the Saucer.psd file to open it in Photoshop.



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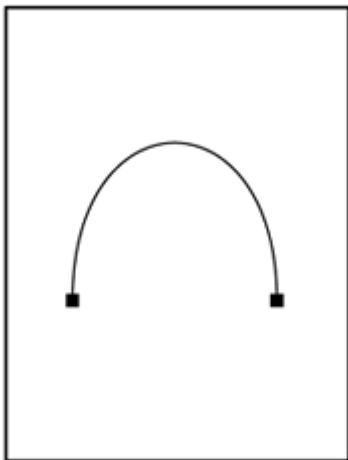
Using paths with artwork

You'll start by using the Pen tool to make selections in the fanciful image of the flying saucer. The saucer has long, smooth, curved edges that would be difficult to select using other methods.

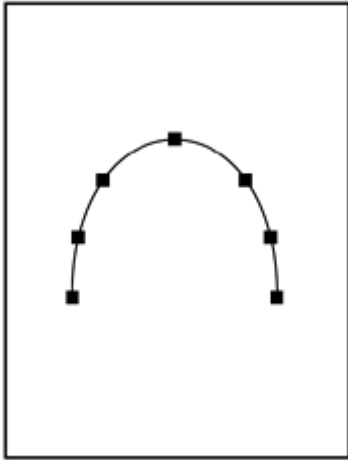
You'll draw a path around the saucer and create two paths inside it. After you've drawn the paths, you'll convert them to selections. Then you'll subtract one selection from the other so that only the saucer and none of the starry sky is selected. Finally, you'll make a new layer from the saucer image and change the image that appears behind it.

When drawing a freehand path using the Pen tool, use as few points as possible to create the shape you want. The fewer points you use, the smoother the curves are and the more efficient your file is.

Correct number of points



Too many points






Drawing the outline of a shape

In this exercise, you're going to use the Pen tool to connect the dots from point A to point N, and then back to point A. You'll set some straight segments, some smooth curve points, and some corner points.

You'll begin by configuring the Pen tool options and your work area, and then you'll trace the outline of a flying saucer using a template.

Note

If you need practice creating and editing paths in Photoshop, read "[Creating paths with the Pen tool](#)" on page [285](#) before starting this exercise.

1. In the toolbox, select the Pen tool (.
2. On the tool options bar, select or verify the following settings:
 - Select the Paths () option.
 - Click the arrow for Geometry Options and make sure that the Rubber Band check box is *not* selected in the Pen Options pop-up palette.
 - Make sure that the Auto Add/Delete option is selected.
 - Select the Add to Path Area option (.

A. Paths option B. Geometry Options menu C. Add to Path Area option

[\[View full size image\]](#)



3. Click the Paths tab to bring that palette to the front of the Layers palette group.

The Paths palette displays thumbnail previews of the paths you draw. Currently, the palette is empty because you haven't started drawing.

4. If necessary, zoom in so that you can easily see the lettered points and red dots on the shape template that has been created for you. Make sure you can see the whole template in the image window, and be sure to reselect the Pen tool after you zoom.
5. Position the pointer on point A. Click the point and drag to its red dot to set the first anchor point and the direction of the first curve. Do the same thing at point B.

At the corner of the cockpit (point B), you'll need to make a corner point to create a sharp transition between the curved segment and the straight one.

6. Alt-click (Windows) or Option-click (Mac OS) point B to convert the smooth point into a corner point and remove one of the direction lines.

Creating paths with the Pen tool

You can use the Pen tool to create paths that are straight or curved, open or closed. If you're unfamiliar with the Pen tool, it can be confusing to use at first. Understanding the elements of a path and how to create them with the Pen tool makes paths much easier to draw.

To create a straight path, click the mouse button. The first time you click, you set the starting point. Each time that you click thereafter, a straight line is drawn between the previous point and the current point. To draw complex straight-segment paths with the Pen tool, simply continue to add points.

To create a curved path, click to place an anchor point, drag to create a direction line for that point, and then click to place the next anchor point. Each direction line ends in two direction points; the positions of direction lines and points determine the size and shape of the curved segment. Moving the direction lines and points reshapes the curves in a path.

Smooth curves are connected by anchor points called *smooth points*. Sharply curved paths are connected by *corner points*. When you move

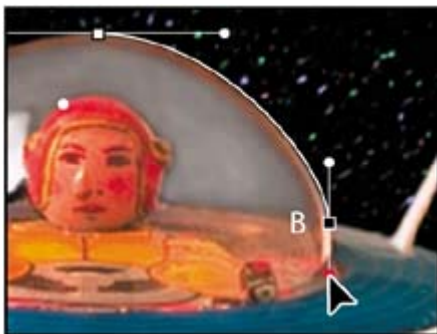
a direction line on a smooth point, the curved segments on both sides of the point adjust simultaneously, but when you move a direction line on a corner point, only the curve on the same side of the point as the direction line is adjusted.

Path segments and anchor points can be moved after they're drawn, either individually or as a group. When a path contains more than one segment, you can drag individual anchor points to adjust individual segments of the path, or select all of the anchor points in a path to edit the entire path. Use the Direct Selection tool (⌘) to select and adjust an anchor point, a path segment, or an entire path.

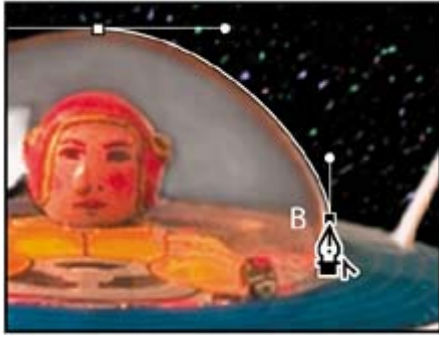
Creating a closed path differs from creating an open path in the way that you end the path. To end an open path, click the Pen tool (P) in the toolbox. To create a closed path, position the Pen tool pointer over the starting point and click. Closing a path automatically ends the path. After the path closes, the Pen tool pointer appears with a small x, indicating that your next click will start a new path.

As you draw paths, a temporary storage area named *Work Path* appears in the Paths palette. It's a good idea to save work paths, and it's essential if you use multiple discrete paths in the same image file. If you deselect an existing Work Path in the Paths palette and then start drawing again, a new work path will replace the original one, which will be lost. To save a work path, double-click it in the Paths palette, type a name in the Save Path dialog box, and click OK to rename and save the path. The path remains selected in the Paths palette.

Setting a smooth point at B



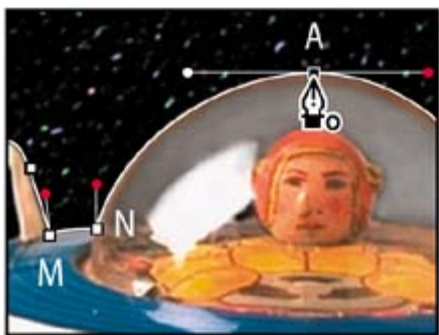
Converting the smooth point to a corner point



7. Click point C to set a straight segment (don't drag).

If you make a mistake while you're drawing, choose Edit > Undo to undo the step. Then resume drawing.

8. Click point D and drag up from point D to its red dot. Then, click point E and drag down from point E to its red dot.
9. Click point F.
10. Set curve points at G, H, and I by clicking each point and dragging from the point to its red dot, each in turn.
11. Click point J.
12. Set curve points at K and L by clicking each point and dragging from each one to its respective red dot.
13. Click point M.
14. Click point N and don't release the mouse button. Press Alt (Windows) or Option (Mac OS) and drag from point N to the red dot to add one direction line to the anchor point at N. Then, release the mouse button and the Alt or Option key.
15. Move the pointer over point A so that a small circle appears in the pointer icon, and click to close the path. (The small circle may be difficult to see because the image is dark and the circle is faint.)



16. In the Paths palette, double-click the Work Path, type **Saucer** in the Save Path

dialog box, and click OK to save it.

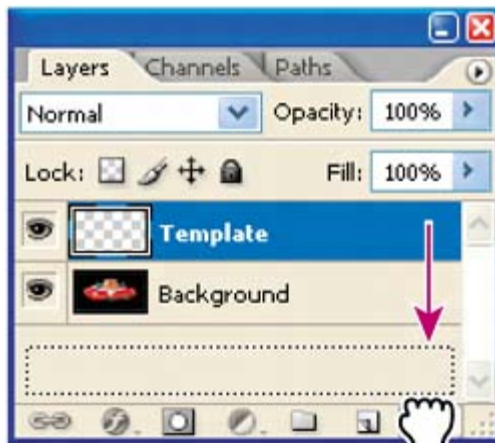



17. Choose File > Save to save your work.

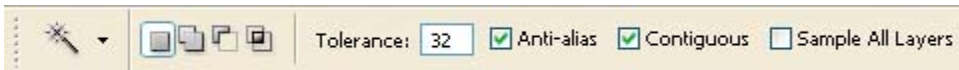
Converting selections to paths

Now, you'll create a second path using a different method. First, you'll use a selection tool to select a similarly colored area, and then you'll convert the selection to a path. (You can convert any selection made with a selection tool into a path.)

1. Click the Layers tab to display the Layers palette, and then drag the Template layer to the Trash button at the bottom of the palette. You no longer need this layer.




2. Select the Magic Wand tool ().
3. On the Magic Wand tool options bar, make sure that the Tolerance value is **32**.



4. Carefully click the black area inside one of the saucer's vertical fins.
5. Shift-click inside the other fin to add that black area to the selection.

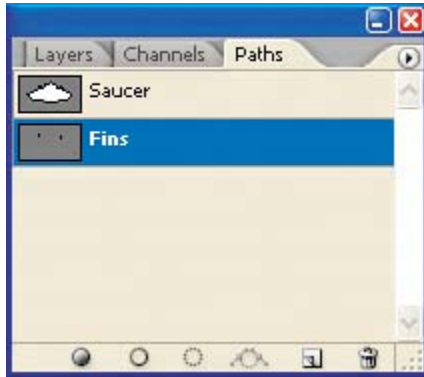


6. Click the Paths tab to bring the Paths palette forward. Then, click the Make Work Path From Selection button () at the bottom of the palette.



The selections are converted to paths, and a new Work Path is created.

7. Double-click the Work Path, name it **Fins**, and then click OK to save the path.

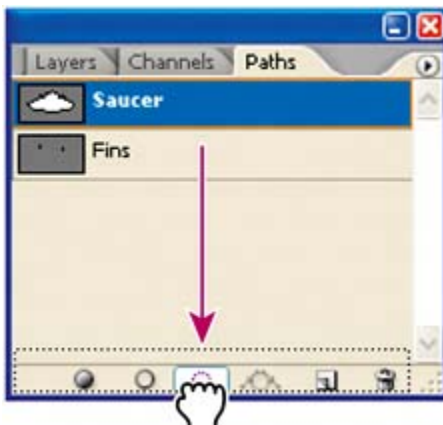


8. Choose File > Save to save your work.

Converting paths to selections

Just as you can convert selection borders to paths, so you can convert paths to selections. With their smooth outlines, paths let you make precise selections. Now that you've drawn paths for the spaceship and its fins, you'll convert those paths to a selection and apply a filter to the selection.

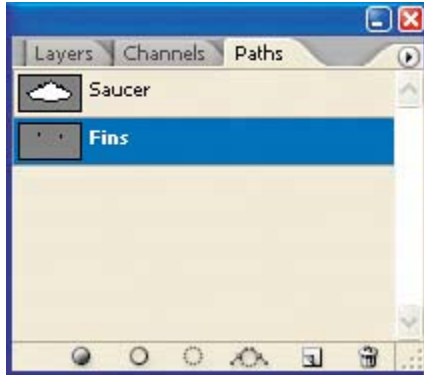
1. In the Paths palette, click the Saucer path to make it active.
2. Convert the Saucer path to a selection by doing one of the following:
 - From the Paths palette menu, choose Make Selection, and then click OK to close the dialog box that appears.
 - Drag the Saucer path to the Load Path as a Selection button (🌀) at the bottom of the Paths palette.



Next, you'll subtract the Fins selection from the Saucer selection so that you can see the background through the vacant areas in the fins.

3. In the Paths palette, click the Fins path. Then, from the Paths palette menu,

choose Make Selection.



4. In the Operation area of the Make Selection dialog box, select Subtract from Selection, and click OK.

The Fins path is simultaneously converted to a selection and subtracted from the Saucer selection.

Leave the paths selected, because you're going to use the selection in the next procedure.

Subtracting the Fins selection from the Saucer selection



Result



Converting the selection to a layer

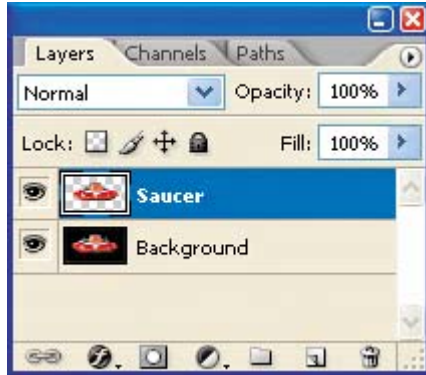
Now, you'll see how creating the selection with the Pen tool can help you achieve interesting effects. Because you've isolated the saucer, you can create a duplicate of it on a new layer. Then, you can copy it to another image file specifically, to the image that is the background for the toy store poster.

1. In the Layers palette, make sure that the Background layer is selected. You should still see the selection outline in the image window. If you deselected it, you need to repeat the preceding exercise, "Converting paths to selections."
2. Choose Layer > New > Layer Via Copy.

A new layer appears in the Layers palette, Layer 1. The Layer 1 thumbnail shows that the layer contains only the image of the flying saucer, not the sky areas of the original layer.

3. In the Layers palette, double-click Layer 1, type **Saucer** to rename it, and press

Enter (Windows) or Return (Mac OS).



4. Use Adobe Bridge or the File > Open command to open the 10Start.psd file, which is located in the Lessons/Lesson10 folder.

This is a Photoshop image of a graduated blue background with a planet in the lower portion of the image.



5. If necessary, move the image windows so that you can see at least part of both the Saucer.psd window and the 10Start.psd window onscreen. Make sure that no layers are selected in the 10Start.psd file Layers palette, then make the Saucer.psd image window active, and select the Saucer layer in the Layers palette.
6. In the toolbox, select the Move tool (↻), and drag from the Saucer.psd image window to the 10Start.psd image window so that the saucer appears in the sky.



7. Close the Saucer.psd image without saving changes, leaving the 10Start.psd file open and active.

Now you'll position the flying saucer more precisely in the poster background.

8. Select the Saucer layer in the Layers palette and choose Edit > Free Transform.

A bounding box appears around the saucer.



9. Position the cursor near any corner control handle until it turns into rotate cursor(↻), then drag to rotate the saucer until it's at about a 20-degree angle. When you're satisfied, press Enter (Windows) or Return (Mac OS).



Note

If you accidentally distort the saucer instead of rotating it, press Command-. (Mac OS) or Ctrl-. (Windows) and start over.

10. To finesse the positioning of the saucer, make sure the Saucer layer is still selected and use the Move tool to drag the saucer so that it grazes the top of the planet, as in the following image.



11. Choose File > Save.

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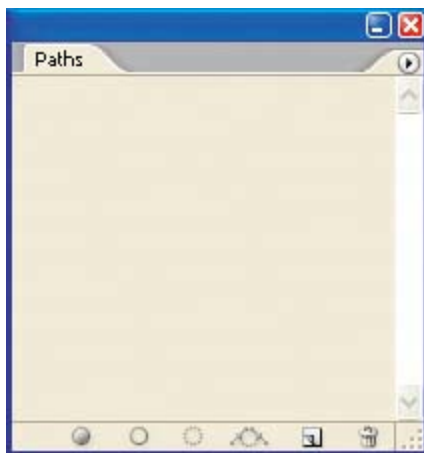
Creating vector objects for the background

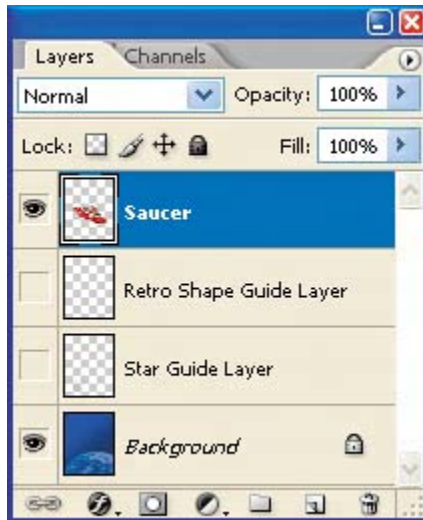
Many posters are designed to be scalable, either up or down, while retaining a crisp appearance. This is a good use for vector shapes. Next, you'll create vector shapes with paths and use masks to control what appears in the poster. Because they're vector, the shapes can be scaled in future design revisions without a loss of quality or detail.

Drawing a scalable shape

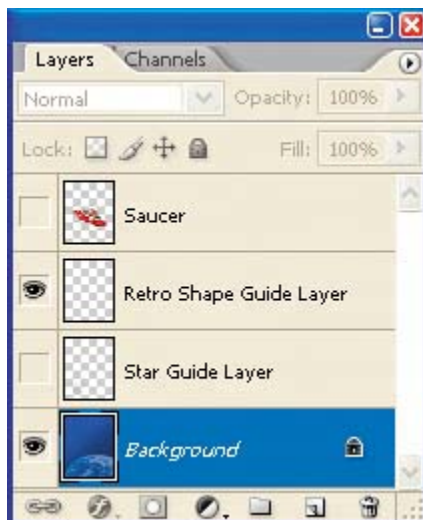
You'll begin by creating a white kidney-shaped object for the backdrop of the poster.

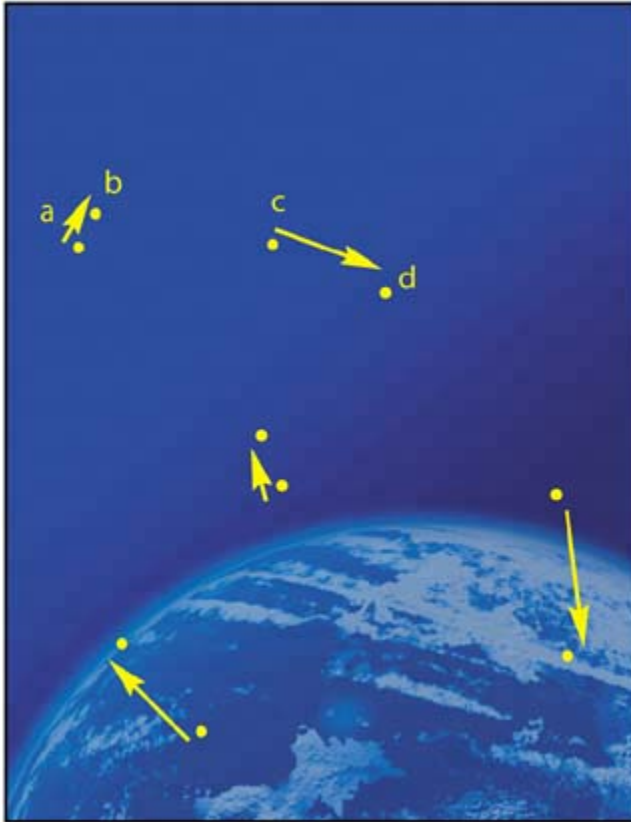
1. Choose View > Rulers to display the horizontal and vertical rulers.
2. Drag the tab for the Paths palette out of the Layers palette group so that it floats independently. Since you'll be using the Layers and Paths palettes frequently in this exercise, it's convenient to have them separated.





3. Hide all of the layers except the Retro Shape Guide layer and the Background layer by clicking the appropriate eye icons in the Layers palette, and then select the Background layer to make it active.





The guide layer will serve as a template as you draw the kidney shape.

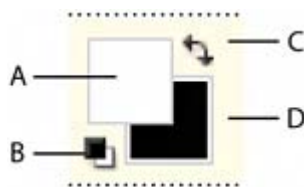
4. Set the foreground and background colors to their defaults (black and white, respectively) by clicking the Default Foreground and Background Colors button (■) in the toolbox (or type the keyboard shortcut D), then swap the foreground and background colors by clicking the Switch Foreground and Background Colors button (↻) (or type X). Now the foreground color is white.

A. Foreground Color button

B. Default Foreground and Background Colors button

C. Switch Foreground and Background Colors button

D. Background Color button



5. In the toolbox, select the Pen tool (✎). Then, on the tool options bar, make sure

that the Shape Layers option is selected.



6. Create the shape by clicking and dragging as follows:

- Click point A and drag a direction line up and to the left of point B, and then release.
- Click point B and drag a direction line toward and slightly above point C, and then release.
- Click point C and drag a direction line toward and above point D, and then release.
- Continue to draw curved segments in this way around the shape until you return to point A, and then click on A to close the path.

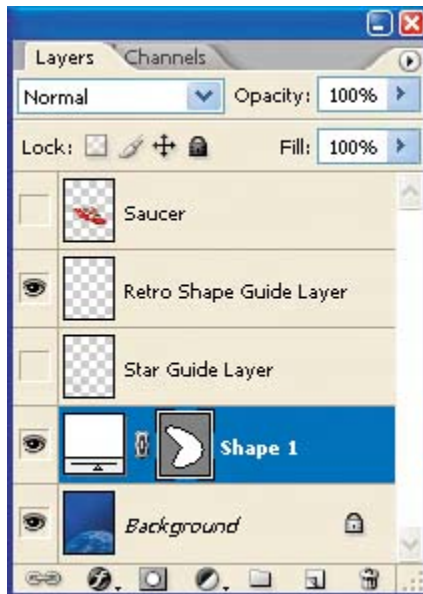
Note

If you have trouble, open the saucer image again and practice drawing the path around the saucer shape until you get more comfortable with drawing curved path segments. Also, be sure to read the sidebar, "[Creating paths with the Pen tool](#)," on page [285](#).



Notice as you drew that Photoshop automatically created a new layer, Shape 1,

in the Layers palette.



7. Double-click the Shape 1 shape layer, rename it **Retro Shape**, and press Enter (Windows) or Return (Mac OS).
8. Hide the Retro Shape Guide layer by clicking its eye icon in the Layers palette.

Deselecting paths

Deselecting paths is sometimes necessary to see the appropriate tool options bar when you select a vector tool. Deselecting paths can also help you view certain effects that might be obscured if a path is highlighted. Before proceeding to the next exercise, you'll make sure that all paths are deselected.

1. Select the Path Selection tool (↶), which may be hidden under the Direct Selection tool (↷).
2. On the tool options bar, click the Dismiss Target Path button (✓).

Note

You can also deselect paths by clicking in the blank area below the paths in the Paths palette.

Notice that the border between the white kidney shape and the blue background has a grainy quality. What you see is actually the path itself, which is a nonprinting item. This is a visual clue that the Retro Shape layer is still selected.

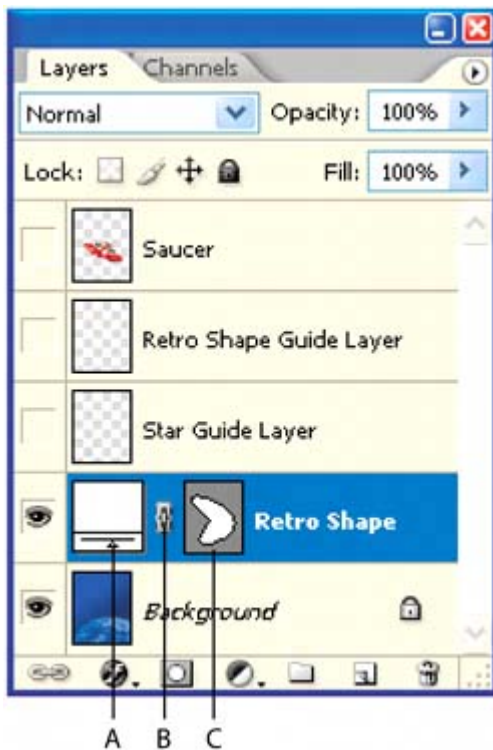
About shape layers

A shape layer has two components: a fill and a shape. The fill properties determine the color (or colors), pattern, and transparency of the layer. The shape is a layer mask that defines the areas in which the fill can be seen and those areas in which the fill is hidden.

In the layer you've just created, the fill is white. The fill color is visible within the shape you drew and is not visible in the rest of the image, so the background sky can be seen around it.

In the Layers palette, your Retro Shape layer sits above the Background layer because the Background was selected when you started to draw. There are three items in the shape layer along with the layer name: two thumbnail images and a link icon between them.

A. Fill thumbnail B. Layer mask link icon C. Mask thumbnail



The left thumbnail shows that the entire layer is filled with the white foreground color. The small slider underneath the thumbnail is not functional, but symbolizes that the layer is editable.

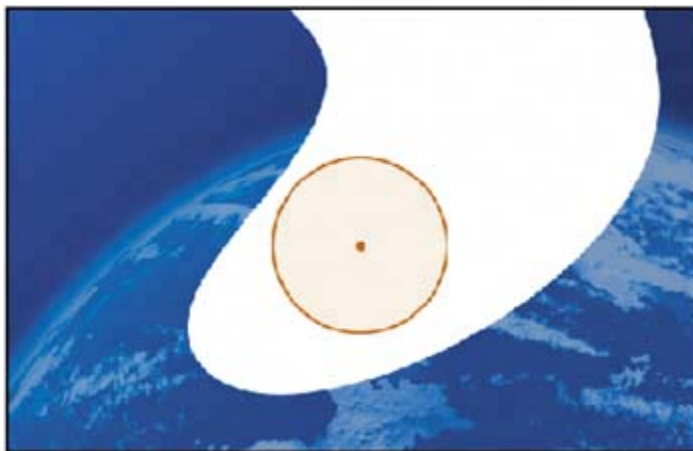
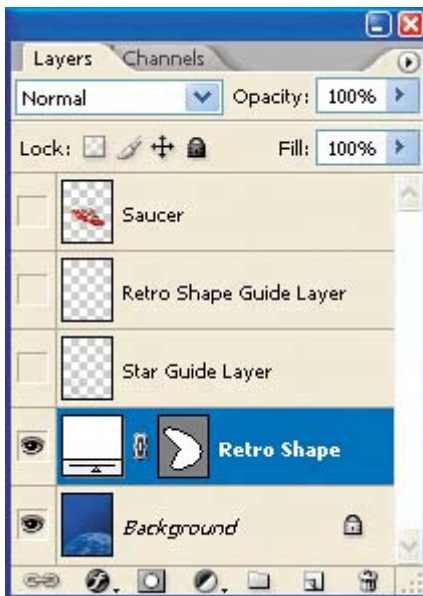
The Mask thumbnail on the right shows the vector mask for the layer. In this thumbnail, white indicates the area where the image is exposed, and gray indicates the areas where the image is blocked.

The icon between the two thumbnails indicates that the layer and the vector mask are linked.

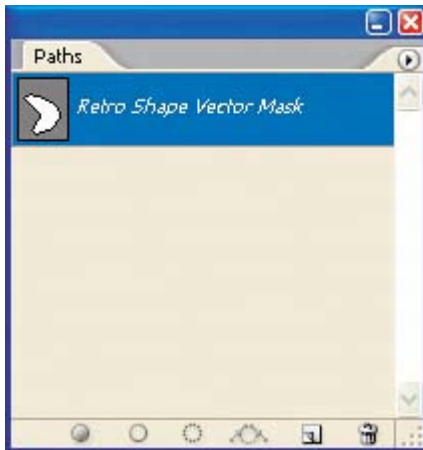
Subtracting shapes from a shape layer

After you create a shape layer (vector graphic), you can set options to subtract new shapes from the vector graphic. You can also use the Path Selection tool and the Direct Selection tool to move, resize, and edit shapes. You'll add some interest to the retro shape by subtracting a star shape from it, allowing the outer space background to show through. To help you position the star, you'll refer to the Star Guide layer, which has been created for you. Currently, that layer is hidden.

1. In the Layers palette, click the box to the far left of the Star Guide layer to display the eye icon (👁️) for that layer (but leave the Retro Shape layer selected). The Star Guide layer is now visible in the image window.



2. In the Paths palette, make sure that the Retro Shape Vector Mask is selected.



3. In the toolbox, select the Polygon tool (🔷), hidden under the Rectangle tool (📐).

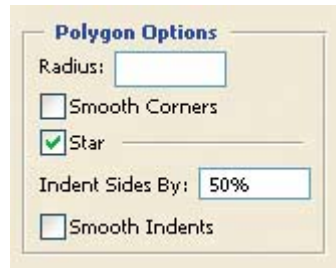




4. On the tool options bar, do the following:

- For Sides, type **11**.
- Click the Geometry Options arrow (immediately to the left of the Sides option) to open the Polygon Options. Select the Star check box, and type **50%** in the Indent Sides By option. Then click anywhere outside the Polygon Options to close it.

[\[View full size image\]](#)





- Select the Subtract From Shape Area option (), or press either hyphen or minus to select it with a keyboard shortcut. The pointer now appears as crosshairs with a small minus sign ().



5. Move the crosshairs pointer over the orange dot in the center of the orange circle in the image window, and click and drag outward until the tips of the star rays touch the circle's perimeter.

Note

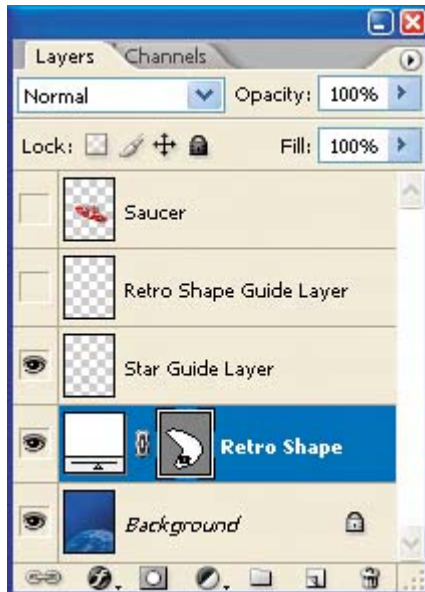
As you drag, you can rotate the star by dragging the pointer to the side.



When you release the mouse, the star shape becomes a cutout, allowing the planet to show through. If the background layer were another image, pattern, or

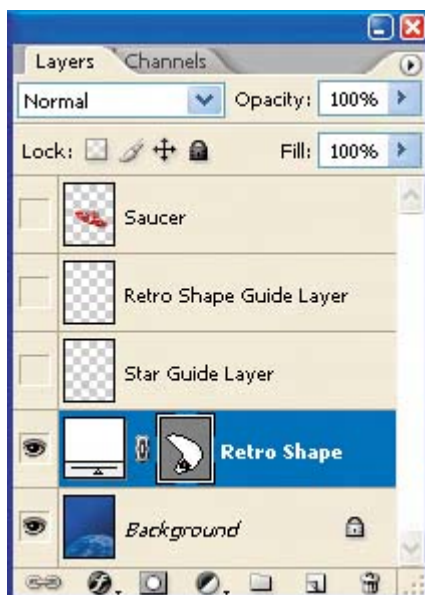
color, you would see it inside the star shape.

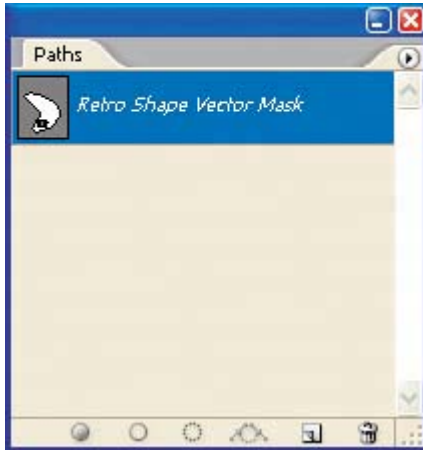
Notice that all the star has a grainy outline, reminding you that the shape is selected. Another indication that the shape is selected is that the Retro Shape vector mask thumbnail is highlighted (outlined in white) in the Layers palette.



6. In the Layers palette, click the eye icon for the Star Guide layer to hide it.

Notice how the thumbnails have changed in the palettes. In the Layers palette, the left thumbnail for the Retro Shape layer is unchanged, but the mask thumbnails in both the Layers palette and Paths palette show the retro shape with the star-shaped cutout.






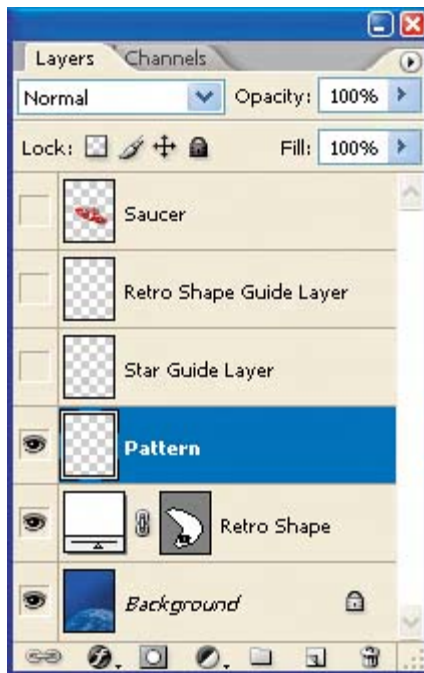
7. Deselect the star and retro shape paths by selecting the Path Selection tool (↖) and clicking the Dismiss Target Path button (✓) on the tool options bar.



Your paths are now deselected, and the grainy path lines have disappeared, leaving a sharp edge between the blue and white areas. Also, the Retro Shape Vector Mask is no longer highlighted in the Paths palette.

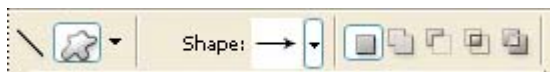
Working with defined custom shapes

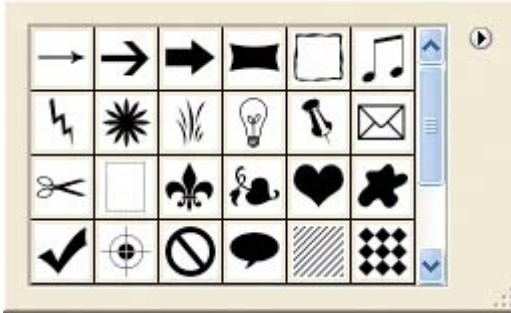
Another way to use shapes in your artwork is to draw a custom or preset shape. Doing so is as easy as selecting the Custom Shape tool, picking a shape from the Custom Shape picker, and drawing in your image window. You will do so now to add checkerboard patterns to the background of your poster for the toy store.

1. Make sure the Retro Shape layer is selected in the Layers palette, then click the New Layer button () to add a layer above it. Double-click the default Layer 1 name and rename it **Pattern**, and then press Enter (Windows) or Return (Mac OS).



2. In the toolbox, select the Custom Shape tool () , which is hidden under the Polygon tool () .
3. On the tool options bar, click the pop-up arrow for the Shape option to open the custom shape picker.





4. Locate the checkerboard preset at the bottom of the custom shape picker (you may need to scroll or drag the corner of the picker to see it), and double-click to select it and simultaneously close the picker.
5. On the tool options bar, select the Fill Pixels option.



6. Make sure that the foreground color is white (or select white now), and then press Shift and drag diagonally in the image window to draw and size the shape. (Pressing Shift constrains the shape to its original proportions.)



7. Add five more checkerboards of various sizes until your poster resembles the following figure.



8. On the Layers palette, reduce the opacity of the Pattern layer to **20%**.



Your poster background is now complete.

9. Turn on visibility for the Saucer layer to see the whole composition.
10. Choose File > Save to save your work.

Importing a Smart Object

Photoshop offers support for Smart Objects, which allows you to import vector objects from Adobe Illustrator and edit them in Photoshop without a loss of quality. Regardless of how often you scale, rotate, skew, or otherwise transform a Smart Object, it retains its sharp, precise edges. In addition, you can edit the original object in Illustrator, and the changes will be reflected in the placed Smart Object in your Photoshop image file. You learned a bit about Smart Objects in [Lesson 9](#). You will explore them more now by placing text created in Illustrator into the toy store poster.

Adding the title

We created the toy store name for you in Illustrator. Let's add it to the poster.

1. Make sure the Saucer layer is selected and choose File > Place. Navigate to the Lessons/Lesson10 folder, select the title.ai file, and click Place. Click OK in the Place PDF dialog box that appears.

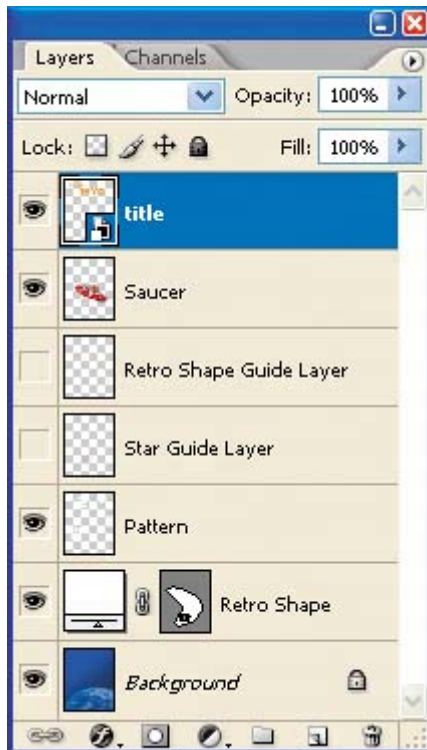
The Retro Toys text is added to the middle of your composition, inside a bounding box with adjustable handles. A new layer, title, appears in the Layers palette.


2. Drag the Retro Toys object to the upper right corner of the poster, and then press Shift and drag a corner to make the text object proportionally larger so that it fills the top portion of the poster, as in the following figure. When you're done, press Enter (Windows) or Return (Mac OS), or click the Commit Transform button (✓) on the tool options bar.



When you commit to the transform, the layer thumbnail icon changes to reflect

that the title layer is a Smart Object.

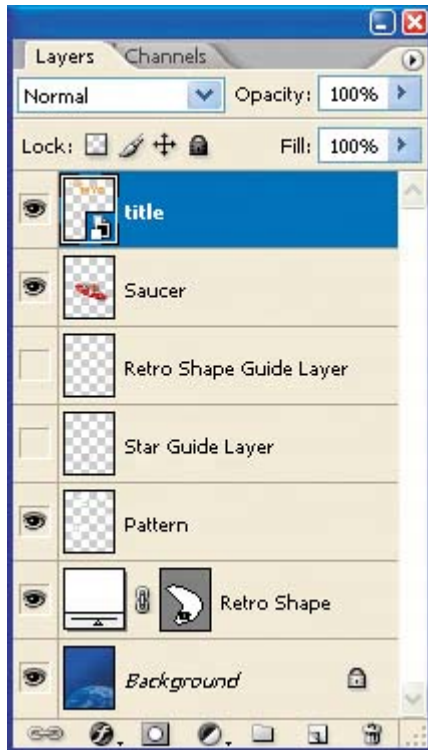


Because the Retro Toys title is a Smart Object, you can continue to edit its size and shape, if you'd like. Simply select its layer and choose **Edit > Free Transform** to access the control handles, and drag to adjust them. Or, select the Move tool () and check **Show Transform Controls** on the tool options bar. Then adjust the handles.

Finishing up

As a final step, let's clean up the Layers palette by deleting your guide template layers.

1. Make sure that the title, Saucer, Pattern, Retro Shape, and Background layers are the only visible layers in the Layers palette.
2. Choose **Delete Hidden Layers** from the Layers palette pop-up menu, and then click **Yes** to confirm the delete action.



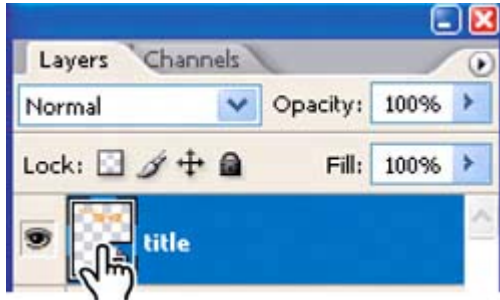


3. Choose File > Save to save your work.

Congratulations! You've finished the poster. It should look like the following image (the title text will only be stroked if you complete the Extra Credit task).

EXTRA CREDIT ☆ If you have Adobe Illustrator CS or CS2, you can go even further with the Retro Toys text Smart Object you can edit it in Illustrator, and it will update automatically in Photoshop. Try this:

1. Double-click the Smart Object thumbnail in the title layer. If an alert dialog box appears, click OK. Illustrator opens and displays the Retro Toys Smart Object in a document window.

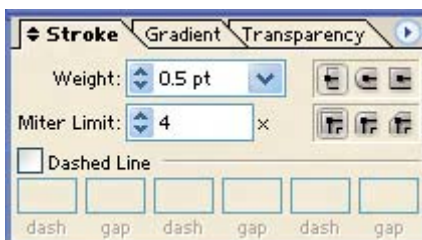


2. Using the Direct Selection tool (↩), drag a marquee around the type to select all of the letters.
3. Select the Stroke icon (🖌️) in the toolbox.
4. Move the mouse over the Color palette (choose Window > Color if the palette isn't already open onscreen). Notice that the cursor changes to an eyedropper. Use the eyedropper to choose black in the Color palette, and then, in the Stroke palette, specify a 0.5-point width.

A 0.5-point black stroke appears around the Retro Toys type.

5. Click the Close button to close the Vector Smart Object document, and click Save when prompted.
6. Switch back to Photoshop. The Retro Toys poster image window updates to reflect the stroked type.

**RETRO
TOYZ**



RETRO TOYZ



◀ PREV

NEXT ▶