Illustrator

Project Workbook

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Pen Tool and Image Trace

Bus.ai	Fish.ai	outline_sketch_pumpkin_color.jpg	outline_sketch_pumpkin.jpg	PenTool1.ai	PenTool2.ai
PenTool3.ai	PenTool4.ai	PenTool5.ai ★★★	PenTool6.ai ★★★	PenTool7.ai ★★★	PenTool8.ai ★★★
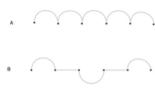
Illustrator Tour Project

This interactive demonstration of Adobe Illustrator is designed to give an overview of the program and it's many feature.

Final:
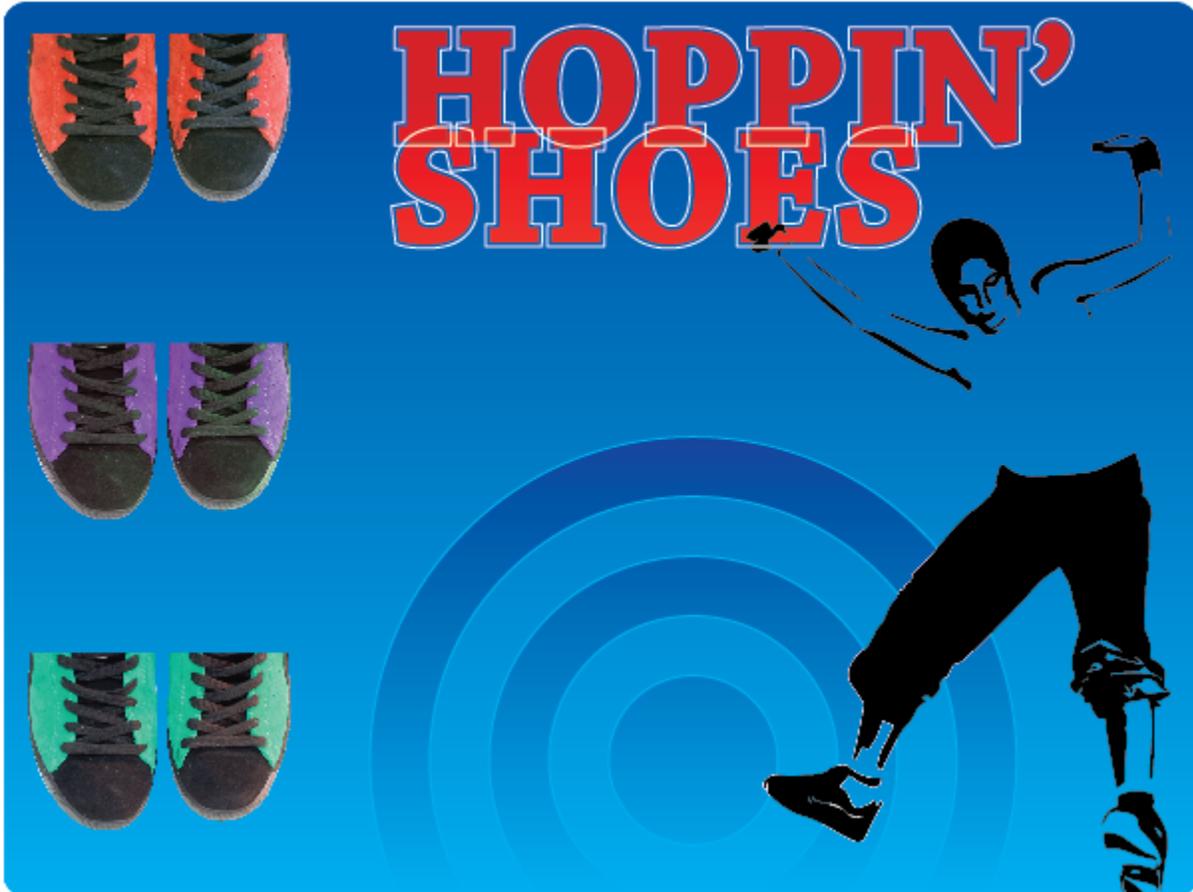
Part 1 - Create a New Illustrator Document

Create a New Project Folder
- Name it: **Illustrator Quick Tour**
- Download and unzip the project files into the folder from:
  http://www.asciutto.com/dg/illustrator_tour/Illustrator_tour.zip

Create and Save a New Blank Document
1. Create a new Print document using the CMYK defaults
2. Name it **Hopping.ai** and save it in your project folder
3. Choose View > Show Rulers
4. Check your default units, have it set to General: points

Part 2 – Setting Up the Blend

Create a Rectangle

1. Select the Rectangle tool and click once on the artboard; do not click and drag. The Rectangle window appears.
2. Enter the Width value **600 pt,** and the Height **50 pt,** then click OK. A rectangle appears on the page.
3. Choose Window > Transform to view the Transform palette. The Transform palette allows you to enter exact coordinates for vertical and horizontal placement as well as other transformations.
4. Click once in the upper left corner of the Point of reference indicator then type in an **x** coordinate of **6 pt** and a **y** coordinate of **675 pt.** Press Enter.
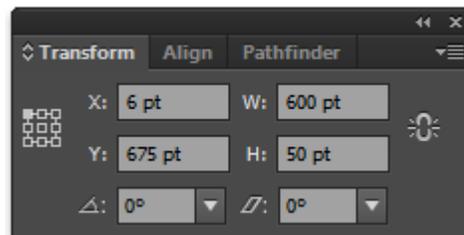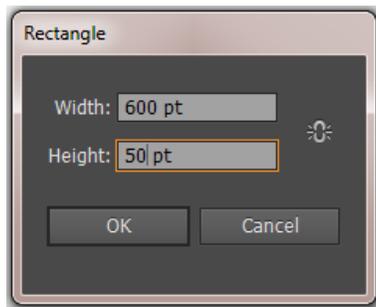
Duplicate the Rectangle

1. Click once on the rectangle with the Selection tool, then hold down the Alt key. Click on the rectangle and drag it toward the bottom of the page. Release the mouse first, then the Alt key. A copy appears, leaving the original intact.
2. Using the Transform palette, make sure the reference point is still in the upper left corner and type in the **x** coordinate text box **6 pt,** and the **y** coordinate **275 pt** for the bottom rectangle; press Enter.

Define Swatches

1. Choose "New Swatch" from the Swatch Panel Menu
2. Set the color to: C=100, M=75, Y=0 and K=0
3. Name it **Starry Night Blue**
4. Define another swatch
5. Set the color to: C=100, M=0, Y=0 and K=0
6. Name it **Pure Cyan**
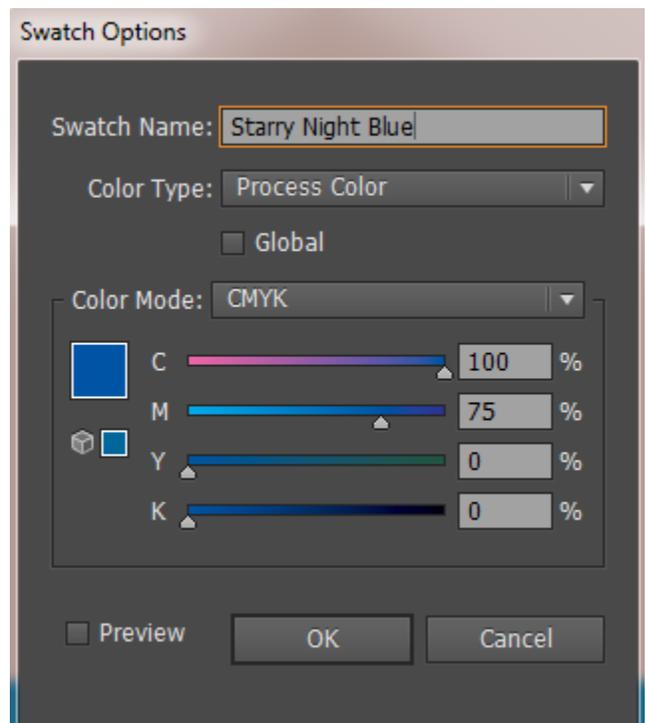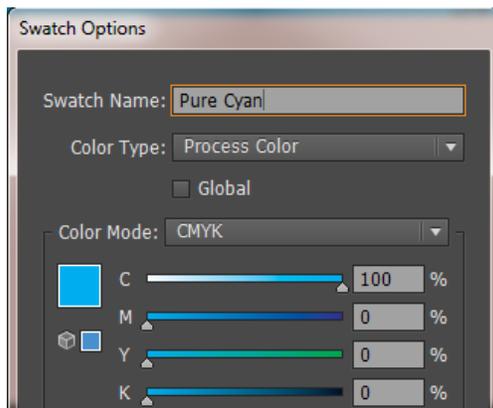
Apply the Swatches

1. Select the top rectangle
2. Set the Stroke to "no stroke" and the fill color to "Starry Night Blue"
3. Select the bottom rectangle
4. Set the Stroke to "no stroke" and the fill color to "Pure Cyan"

Create the Blend

1. Select the **Blend** tool
2. Click on the top rectangle
3. Click on the bottom rectangle
4. A gradient blend is created
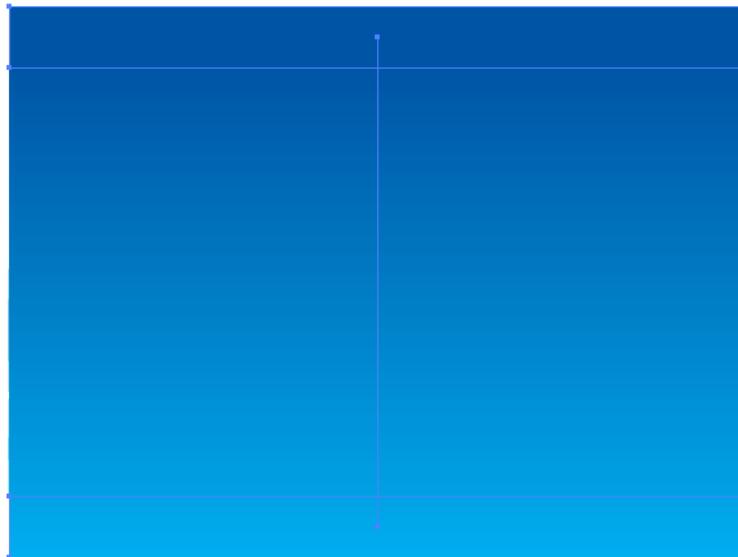
Manage Layers

1. Rename Layer 1 to **Background**
2. Lock the layer
3. Create a new layer and name it **Shoes**
4. Save your work

Part 3 – Place Photoshop Images

Explore the Photoshop File

1. Open **shoes-color.psd** in Photoshop
2. Browse thru the Layer Comps and note that Layer Comps are saved versions of Layer visibility combinations
3. Close Photoshop

Place the Shoes

1. Chose File > Place
2. Select **shoes-color.psd**
3. Within the Import Options, select Layer Comp: **red-shoes** and check Show Preview
4. Move the image anywhere over the blend
5. Deselect the shoes
6. Chose File > Place
7. Select **shoes-color.psd**
8. Within the Import Options, select Layer Comp: **purple_sneakers** and check Show Preview
9. Move the image anywhere over the Blend
10. Chose File > Place
11. Select **shoes-color.psd**
12. Within the Import Options, select Layer Comp: **green_sneakers** and check Show Preview
13. This puts the three versions of the Photoshop image into the Shoes layer
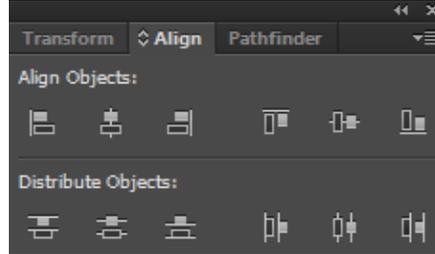
Align and Distribute the Shoes

1. Move the shoe images along the left side of the Blend
2. Open the Align Window
3. Select Horizontal Align Left and Vertical Distribute Center
4. Save your work
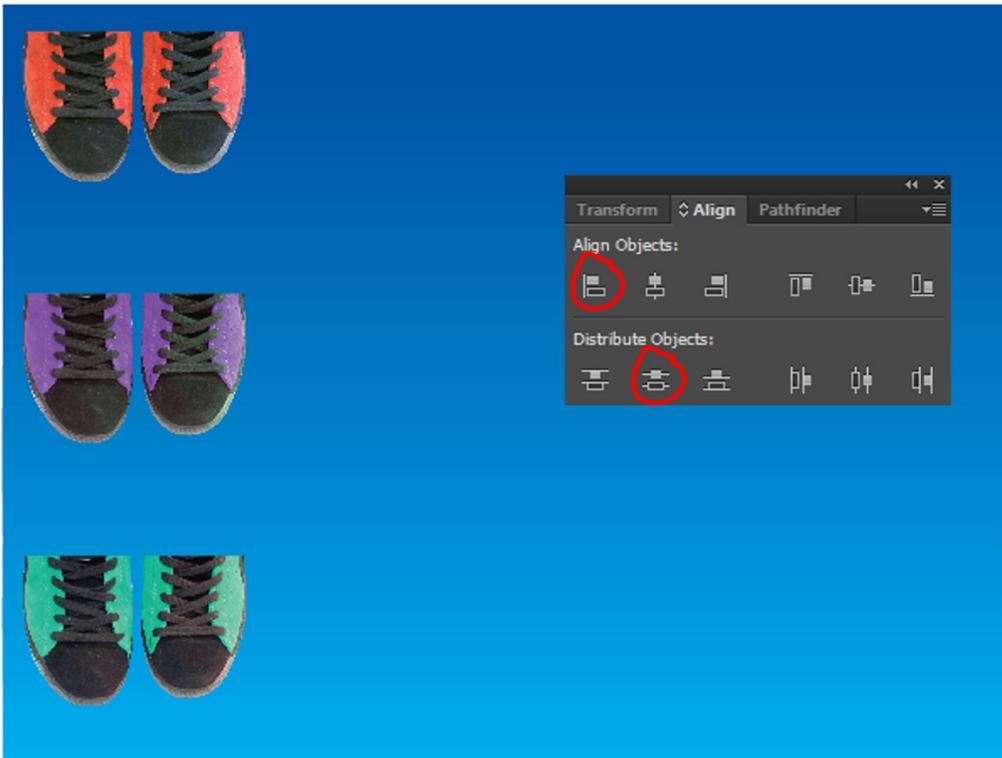
Part 4 – Using Live Trace

Manage Layers

1. Lock the **Shoes** layer
2. Create a new layer and name it **Trace**

Place the Dancing Girl

1. Chose File > Place
2. Select **dancing.psd**
3. Position the image to the lower right

Live Trace

1. Select the dancing girl image
2. Open the Image Trace window
3. Show the advanced features
4. Choose Preset: default
5. Check: Ignore White

6. Click the Expand button in Options
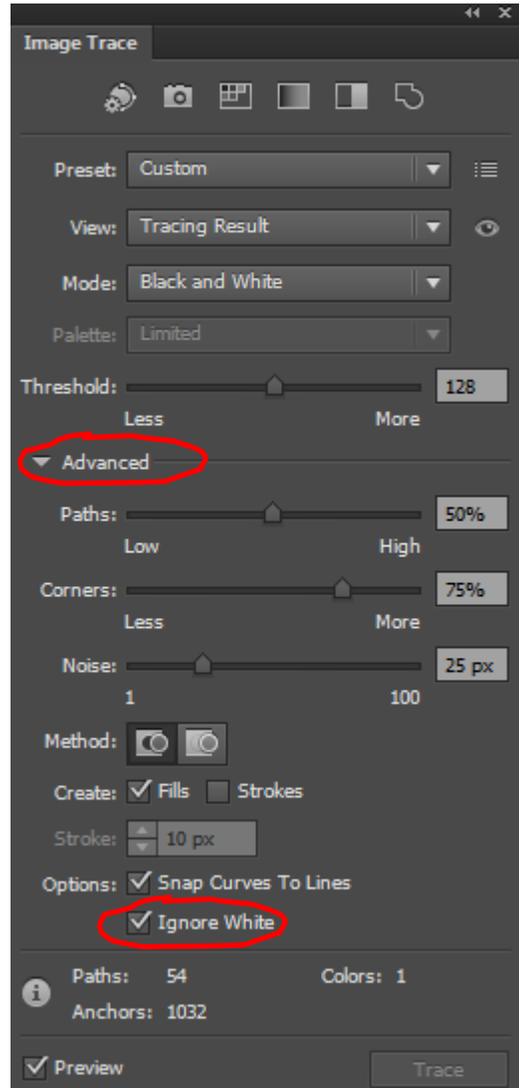
Part 5 – Typesetting

Manage Layers

1. Lock the **Trace** layer
2. Create a new layer and name it **Type**

Type

1. Set your colors to default
2. Select the Type tool
   - Font: Chaparral Pro
   - Size: 85
   - Style: Bold
3. Type the work HOPPIN'
4. Select the text and position it to
   - X: 200
   - Y: 275

Create Outlines

1. Select the text
2. Choose Type > Create outlines (converts type to vector shapes)
3. Choose Object > Ungroup (enables each letter to be selected individually)
4. Choose Select > Save Selection (enables a quick way to re-select the whole word)
   - Name it **hoppin**

Change the Appearance

1. Open Window > Appearance
2. Select **hoppin**
3. Select the Stroke
   - Color: white
   - Weight: 1 pt
4. Select the Fill
   - Color: CMYK Red
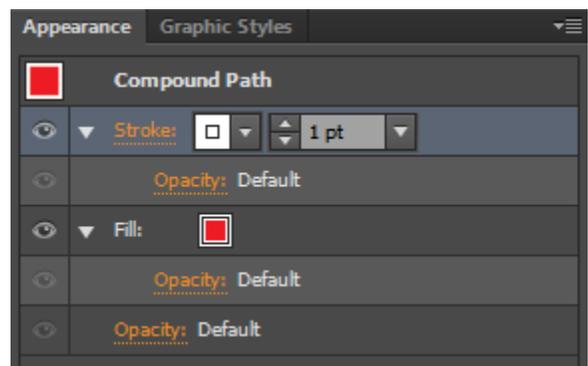
Applying Effects

1. Select **hoppin**
2. Choose Stroke in the Appearance panel
3. Choose Effect > Path > Offset Path
4. Enter the offset amount as 2 pt
5. Select Fill in the Appearance panel
6. Set the Opacity Blending Mode to: Hue
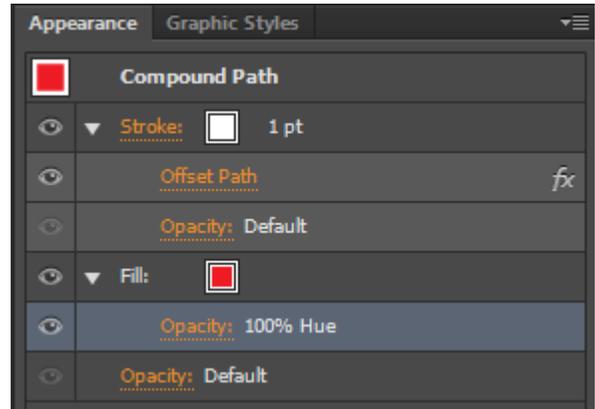
Saving the Appearance as a Graphic Style

1. Select **hoppin**
2. Choose Window > Graphic Style
3. Choose New Graphic Style from the panel menu
4. Name it: **offset-stroke**
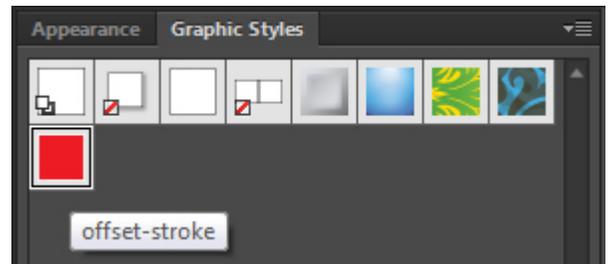
Type

1. Select the Type tool
   - Font: Chaparral Pro
   - Size: 85
   - Style: Bold
2. Type the word **SHOES**
3. Select the word
4. Apply the **offset-stroke** Graphic Style
5. Position SHOES under the text HOPPIN and slightly overlap the words
6. Save your work
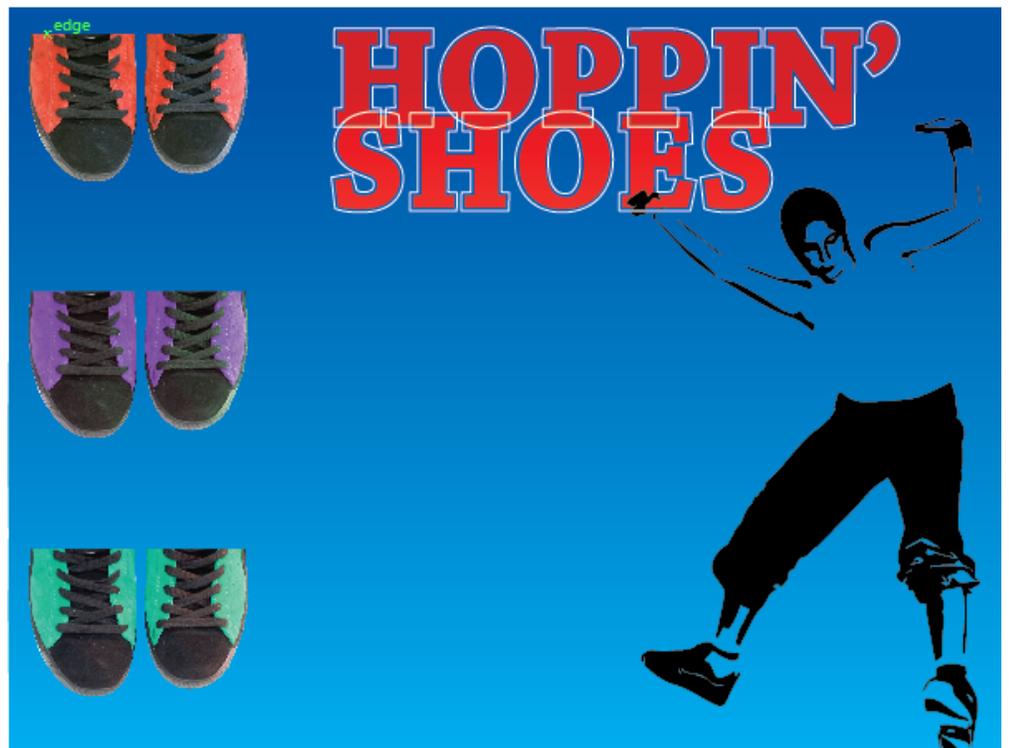
Part 6 – Using Live Paint

Manage Layers

1. Lock the **Type** layer
2. Create a new layer and name it **Target**

Copy – Past From Illustrator

1. Open **target.ai**
2. Select all > Copy
3. Paste into **Tour.ai**
4. Position it off the Blend on the Artboard
5. Save the selection as **target**

Create a Live Paint Group

1. Choose Object > Live Paint > Make
2. Choose the Live Paint Bucket Tool
3. Choose the Red swatch
4. Paint every other ring from the outside in with the Red swatch
5. Paint the remaining two rings with no color
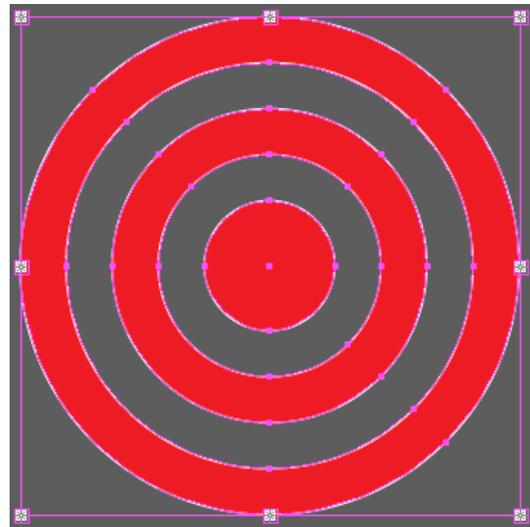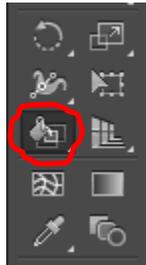
Apply Transparency

1. Position the Target at the bottom middle of the document
2. Open the Transparency panel
3. Set the Blend mode **Overlay**
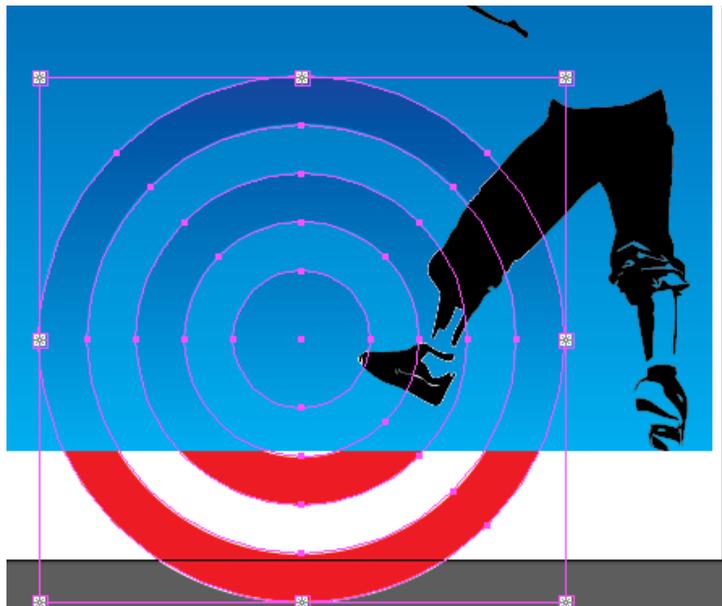
Part 7 – Create a Clipping Mask

Manage Layers

1. Lock the **Target** layer
2. Create a new layer and name it **Mask**

Draw a Rounded Rectangle

1. Set your colors to default
2. Draw a Rounded Rectangle from corner-to corner over the entire Blend
3. Select All Objects
4. Unlock all layers

Create a Clipping Mask

1. Choose Select > All
2. Choose Object > Clipping Mask > Make
3. Select > Deselect
4. Save your work

Type and Logos

Typographic Terms

Ligature means to tie or link letters together.

Glyphs are characters within a certain typeface that may be harder to find, like a bullet point or a registration symbol.

Point type is a horizontal or vertical line of text that begins where you click and expands as you enter characters. Each line of text is independent—the line expands or shrinks as you edit it but doesn't wrap to the next line. Entering text this way is useful for adding a headline or a few words to your artwork.

Area type uses the boundaries of an object to control the flow of characters, either horizontally or vertically. When the text reaches a boundary, it automatically wraps to fit inside the defined area. Entering text in this way is useful when you want to create one or more paragraphs, such as for a brochure.

Type on a path flows along the edge of an open or closed path. When you enter text horizontally, the characters are parallel to the baseline. When you enter text vertically, the characters are perpendicular to the baseline. In either case, the text flows in the direction in which points were added to the path.

A. Font	**J.** Superscript
B. Font Style	**K.** Subscript
C. Font Size	**L.** Text anti-aliasing
D. Kerning	**M.** Leading
E. Vertical Scale	**N.** Tracking
F. Baseline Shift	**O.** Horizontal Scale
G. All Caps	**P.** Character Rotation
H. Small Caps	**Q.** Strikethrough
I. Language	**R.** Underline
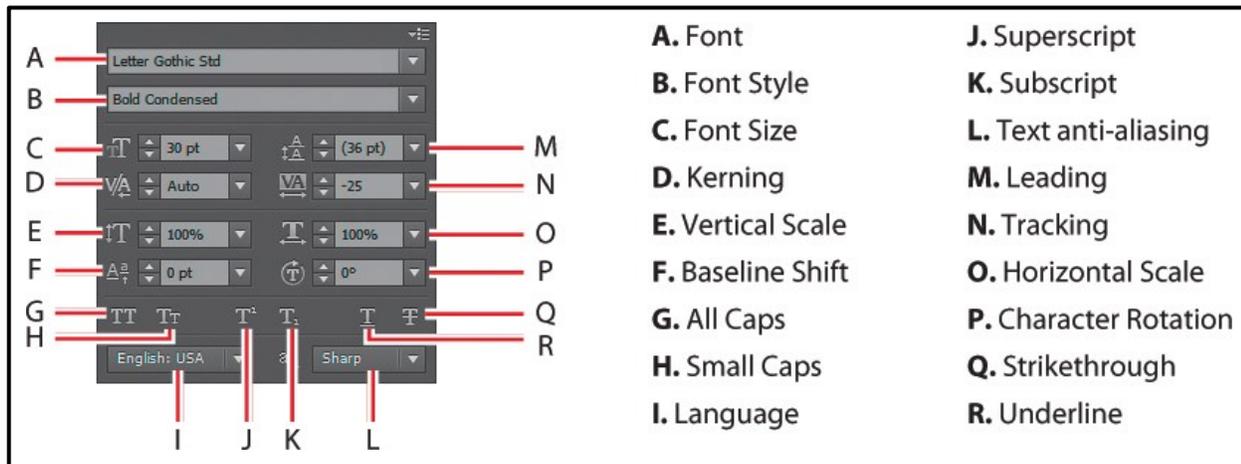
Pairing Letters - Using Ligatures to Create Logos

Use Shared Strokes

Many letter pairs form natural links, have identical parts or complementary shapes that fit together.

Font: Adobe Garamond Pro, Bold
Color: C**100** M**60** Y**0** K**50**

Almost-Identical Strokes

Pairs like UR share not-quite-identical strokes, yet often flow naturally together. To link neatly, you must sacrifice some parts.

Font: Consolas, Bold
Color: C**70** M**60** Y**0** K**10**

Angled to Vertical

Cut letters in half using the Pathfinder. Try changing case or a different font to get a good match.

Font: Perpetua, Bold
Color: C**0** M**70** Y**0** K**30**

Curved to Vertical

Works best with gentle curves

Font: Nueva Std, Italic
Color: C**100** M**60** Y**0** K**50**

Uppercase-lowercase

Try separating by distance, color and style.

Font: Times New Roman, Bold
Color: C**73** M**15** Y**38** K**6**
Color: C**37** M**66** Y**6** K**3**

Horizontal Crossbars

Try adding a pattern so that it doesn't look too tightly kerned.

Font: Arial, Bold
Color: C**21** M**91** Y**100** K**35**

Horizontal Crossbars

Try adding a pattern so that it doesn't look too tightly kerned.

Font: Arial, Bold
Color: C**100** M**60** Y**0** K**50**

Remove a Stroke

Use phantom strokes.

Font: Adobe Caslon Pro, Bold
Color: C**7** M**24** Y**37** K**21**

Reverse the Field

Use negative space.

Font: Impact, Regular, Width 125%
Color: C**21** M**91** Y**100** K**35**

Crop

Crop away the bottom of the letters and the viewer's eye completes the image...

Font: Adobe Caslon Pro, Bold, Width100%
Color: C**0** M**53** Y**26** K**0**
Color: C**37** M**66** Y**6** K**3**
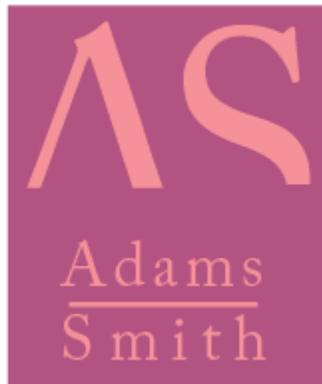
Follow the White Line

Create the illusion of attachment. Don't close it, do so breaks the flow.

Font: Arial, Black
Color: C**100** M**60** Y**0** K**50**

Interlock

Circular letters flow most naturally into other circular letters.

Font: Arial, Black
Color: C**0** M**100** Y**85** K**0**

Font: Adobe Garamond Pro, Regular
Color: C**0** M**20** Y**100** K**0**

Replace Letter Parts

Replace letter parts with shapes and color.

Font: Times New Roman, Regular
Color: C**0** M**0** Y**0** K**100**

Use Transparency

Transparency softens. Lower the opacity of one or more characters.

Font: Calibri, Bold
Color: C**73** M**15** Y**38** K**6**
Color: C**0** M**70** Y**0** K**30**
Color: C**0** M**100** Y**85** K**0**

Color the Negative Spaces

Put the letters in a box and color the negative spaces.

Font: Arial, Bold
Color: C**73** M**15** Y**38** K**6**
Color: C**0** M**70** Y**0** K**30**
Color: C**0** M**53** Y**26** K**0**

Designing with Symbols Project

Embellish any graphic design with Illustrator Symbols and Symbol Sprayer.

Final:

Part 1 - Create a New Illustrator Document

Create and Save a New Blank Document
5. Create a new Web document using the RGB defaults
6. Name it **Designing With Symbols.ai** and save it in your project folder
7. Choose View > Show Rulers

Part 2 – Create the Gradient Background

Open the Sky Swatch Library
1. Swatches > Open Swatch Library > Gradients > Sky

Draw a rectangle approximately 2/3 of the height of the artboard aligned top (the sky)
2. Fill the rectangle with Sky 19
3. Adjust the Gradient angle to -90^0

Draw a rectangle approximately 1/3 of the height of the artboard aligned bottom (the water)
4. Fill the rectangle with Sky 6
5. Adjust the Gradient angle to 90^0

Modify the Gradient Stops

Change one or more gradient stops on the bottom rectangle to match a few gradient stops in the top gradient. For example, from the top rectangle I selected the and 2nd stop (E3BCAD) from the right and modified one of the Gradient stops on the bottom rectangle to these colors.

Rename the layer *Background*
- Lock it and create a new layer, name it **Clouds**
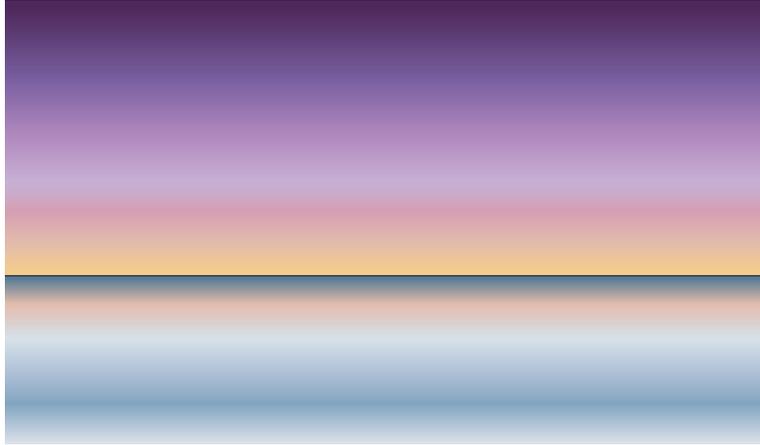
Part 3 - Symbol Spray the Clouds

From the Symbol panel menu, choose:
1. Open Symbol Library > Nature
2. Select Cloud 1

Double-click the Symbol Sprayer tool to see its options
3. I set my diameter to 100 px
4. Spray clouds over the top rectangle

Tear-off the Symbol tool to make all of the Symbol options more easily accessible
5. Experiment all of the other Symbol adjustment tools and the Alt key
6. Spray Cloud 2 and Cloud 3 Symbols
7. Modify them using the Symbol adjustment tools
8. Experiment with multiple Symbol Sets in the Layer

Lock the **Clouds** layer, create a new layer, name it **Land**
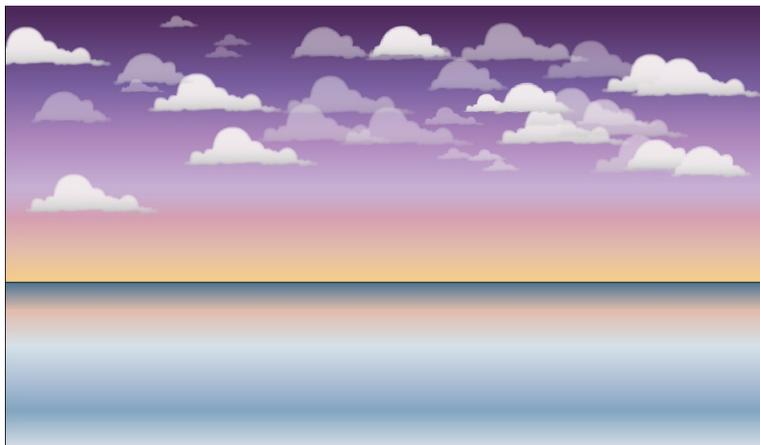
Part 4 - Create the Land Mass and Sandy Beach

1. Select the Pen tool
2. Choose a dark green color

Illustrator

3. Create a shape that looks like the smooth curves at the edge of a land mass over about 75% at the horizon

4. Duplicate the shape and change to color to a light tan color for a shoreline/sand
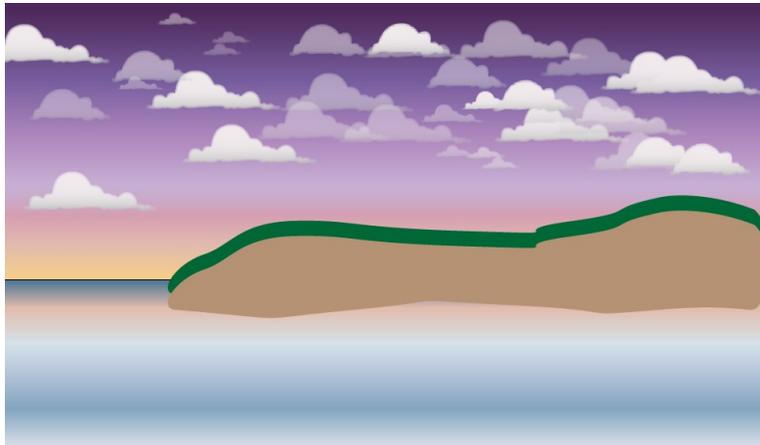
5. Position the sand behind the land and adjust points using the direct select tool to extend part of the sand beyond the land

Lock the **Land** layer, create a new layer, name it **Trees**

Part 5 - Add Trees and Re-Size Them

From the Symbol panel menu, choose:
1. Open Symbol Library > Nature
2. Select Trees 1

Double-click the Symbol Sprayer tool to see its options
5. I set my diameter to 50 px
6. Spray Trees over the Land
7. Use the Symbol Sizer and Scruncher tools to re-size and adjust the spacing

Lock the **Trees** layer, create a new layer, name it **Shrubs**

Part 6 – Create a New Symbol (Shrub) and Spray It

Using the Pen tool
1. Draw a shape that looks like a shrub using a complimentary green color

2. Select Shrub and add it as a new Symbol
3. Select the Symbol Sprayer tool
4. Spray the Shrub covering the bottom of the trees
5. Use the Symbol Sizer and Scruncher tools to re-size and adjust the spacing

Part 7 – Adjust the Shrub Symbol

1. Drag the Shrub Symbol to the artboard
2. Break Link to the Symbol in the Symbol Panel (this enables you to change the color)
3. Change the color to a lighter shade of green
4. Alt-Drag the Shrub Symbol from the artboard over the existing Shrub Symbol in the panel (this changes all instances of the Symbol on the artboard)
5. Delete the extra Shrub Symbol from the artboard

Lock the **Shrubs** layer, create a new layer, name it **Water Ripples**

Part 8– Spray Water Ripples with Texture

1. Open the Symbol Library > Artistic Textures
2. Spray the Ripples texture over the water
3. Use the Symbol Screener tool to add transparency
4. Select the Symbol Stainer tool
5. Select a dark blue color
6. Apply the Symbol Stainer

Define a new Symbol Set in this layer

7. Repeat the process and spray with the Ripples texture
8. Apply a white or light color with the Symbol Stainer

Lock the **Water Ripples** layer, create a new layer, name it **Moon**

Part 9 – Add a Moon

1. Using the Ellipse Shape and Pathfinder, create a Moon
2. Soften the Moon with an Effect > Stylize > Feather
3. Move the Moon layer below the Clouds layer
4. Reduce the Opacity to 90% in the Appearance panel

Part 10 – Crop using a Clipping Mask

1. Add a new layer on top
2. Draw a rectangle over the artboard
3. Unlock all layers
4. Object > Clipping Mask > Make

Illustrator Special Projects

Warp Tools – Basic Shapes

- Create a basic rectangle and experiment with the Warp Tools
- Use the Warp tools on a picture
- Review the Liquify Filter in Photoshop (Similar to the Illustrator Warp Tools)

Warp Tools – Create a Marbled Background

- Draw a few random overlapping shapes with random colors, no stroke
- Draw a neutral colored rectangle and put it behind all of the shapes
- Experiment with the Warp tools, especially the Twirl tool to blend the shapes together
- Be careful not to distort the background rectangle
- Convert it to a Symbol
- Convert the Symbol a Swatch
- Experiment with the Swatch to Fill Shapes and Text
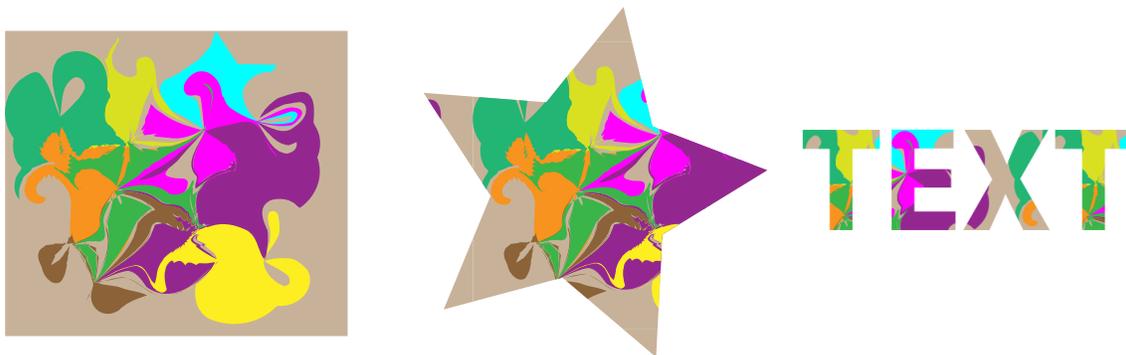
Warp Tools – Distort a Symbol

- Select the *Gerbera* Symbol from the *Flowers* Library and move it to the artboard
- Enlarge it and break the link to the Symbol library
- Double-click the Pucker tool and decrease the intensity to 20%
  - Click randomly on the Flower to distort a few pedals
- Use the Direct Select tool to randomly select a few pedals and add a drop shadow
  - Effect > Stylize > Drop Shadow
- Select the Scallop tool and set the diameter slightly larger the flower center
  - Click once in the center to distort the center of the flower
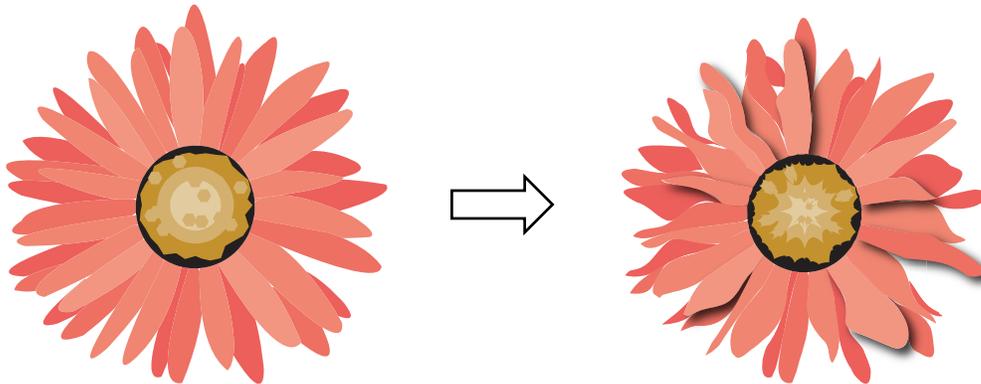
Symbols from Pictures

- Importing Pictures and converting them to Symbols
- Spray the new Symbol

Turn Symbols into Brushes

- Scatter
- Art
- Pattern

Artboard Tool

Save As and Export Options

- PDF
- PDF
- SVG
- JPG

Printing

- Review Size and Scale options

Fill Text with a Picture

- Text > Outlines > Ungroup > Compound Path
  - Clipping Path Make
- Save Picture as a Swatch

Placing vs Copy-Paste from Illustrator into Photoshop or InDesign

- Smart Object – editing Smart Object
- Pixels
- Path
- Shape Layer

Compound Path

- Make and Release
- Compare to Pathfinder – similar, depending on the overlap
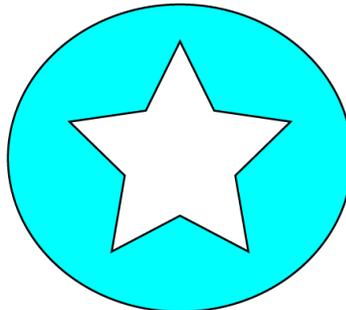
Envelope Distort – Make with Warp

- Text
- Picture

Envelope Distort – Make with Mesh

- Mesh tool
- Shape
- Picture
- Text

3D Filter

- Happy Face (Extrude and Bevel)
- Text
- Envelope Distort
- Map Art (Symbol)

3D Revolve

- Draw a simple Path with a Stroke, any Stroke color but Black
  - o Create a 3D Revolve from the Path
- Download **WineBottle.ai** from our Digital Graphics web page
  - o Create a 3D Revolve from the Path
  - o Save the Label as a Symbol
  - o Wrap the Label around to body of the bottle