

Demonstrate Knowledge of Drawing and Painting (Domain Objective 4.6)

Drawing Tools

You can choose three modes of drawing tools on the options bar. The mode needs to be selected before starting to draw a shape with a shape tool or a path with a Pen tool. The options include:

- **Shape layers** – A shape is drawn on a separate layer with a vector mask and a fill layer; the outline of the drawn shape appears as a path in the Paths panel
- **Paths** – Draws a work path on the Paths panel, which can be used to create a selection or a mask, or be filled with the foreground color or stroke
- **Fill pixels** – Creates a raster image on the selected layer

You can quickly switch to one of the default shapes while working with the Pen tool by selecting the shape on the options bar while you work.

While working with the shape layers or paths, you can modify an existing shape or path on the active layer using options on the options bar such as add, subtract, intersect or exclude areas. If one of these options is not selected, the default option, Create a new shape layer, will draw on a new layer. You can also edit shape layers using the Direct Selection tool to customize the shape by moving corner points or line segments. The Pen tool also works in the same way, being able to add or subtract anchor points and to convert anchor points to corner points. The shape or path is drawn with the Foreground color, creating a Fill layer. To change the color after drawing a shape or path, simply double-click the thumbnail of the Fill layer to open the Pick a solid color dialog box, and then choose a different color.

Brush Options

The Brush options bar makes available the following options:

- **Tool Preset picker** – access and save brush settings
- **Brush Preset picker** – Preset list, also available as a panel
- **Toggle the Brush panel** – opens a panel that allows you to customize the brush
- **Blending modes** – same as those available in the layers panel, applies to what you are painting; two additional modes are available – Behind and Clear
- **Opacity slider** – changes the transparency of the brush stroke
- **Tablet pressure controls opacity** – provides functionality to change transparency if you are drawing with a graphics tablet
- **Set flow rate for stroke** – controls the flow of paint from the brush
- **Enable airbrush mode** – emulates a can of spray paint
- **Tablet pressure controls size** – if you have a graphics tablet, you can control the size of the brush with your stylus

You can customize a brush using options on the Brushes panel. Brush settings are available on the left side of the panel, which include Scattering, Texture and Airbrush. To save custom settings, click the Create new brush button at the bottom of the Brush panel and the new brush is then available in the Brush presets list.

You can use the Mixer Brush to blend color as you paint. This tool is available in the Tools panel in the Brush Tool group. It looks similar to the Brush tool, but it has a drop of paint above it. This brush samples color from the image and blends the color with the foreground color. (Note: If you paint nondestructively, you will need to check Sample All Layers to sample the colors from your image from a different layer.) You can choose to clean the brush after each stroke or to load the brush after each stroke. The Wet setting adjusts how much paint is loaded onto the brush, the lower the setting, the more quickly the paint will dry. The Mix setting adjusts the amount of paint on the brush to the amount being picked up from the canvas.

Step-by-Step 4.6

1. Start Photoshop CS5.
2. Click **File** on the Application bar, click **Open**, select the location of your data files, click **flower** and then click **Open**.
3. Click **File** on the application bar, click **Save As**, and then name the file **flower mixer brush practice**. Save this in your Domain 4 folder.
4. On the application bar, click the **Workspace switcher**, and then click **Painting**.
5. Click **Select** on the Application bar, and then click **Load Selection**. The Load Selection dialog box opens, showing default settings for a new selection.
6. In the Load Selection dialog box, click the **Channel** pop-up menu, click **flower** if necessary, and then click **OK**. The selection makes it easier to paint inside the shape of the flower.
7. In the Layers panel, click the **Create a new layer** button, and then name the layer **Painted Flower**.
8. In the Tools panel, click and hold the **Brush** tool, and then click the **Mixer Brush** tool.
9. In the Swatches panel, click the **RGB Magenta** swatch (the 6th swatch in the 1st row). Note: Your swatch location may differ.
10. On the options bar, click the **Click to open the Brush Preset picker** pop-up menu, click **Oil Medium Wet Flow 32**, located in the last row, and then drag the **Size** slider to **100 px**. (Note: Click over with the right arrow icon and then reset brushes if necessary, and then hover the mouse pointer over the various brushes to see the name of the brush.)
11. On the options bar, change the **Wet** setting to **60%**, Load to **75%**, Mix to **90%**, Flow to **100%** and then click the **Sample All Layers** check box.
12. Click and drag the **brush** in strokes from the border to just before the red center of the flower, being careful not to paint over the red part in the middle of the flower. Continue painting until you have covered the white part of the flower.
13. In the Swatches panel, click CMYK Magenta (5th swatch, 2nd row). Note: your swatch location may differ.
14. On the options bar, click the **Click to open the Brush Preset picker** pop-up menu, and then set the brush size to **35px**.

15. Paint the **middle part** of the flower, dragging your brush from the inside out, in the Layers panel, hide the **background** layer.
16. Click **Select** on the Application bar, and then click **Deselect**.
17. **Save** and close the document.

