

Lesson 9

Face-Aware Liquify

Lesson Introduction

In this lesson you will learn about Photoshop's Face-Aware Liquify function. Understanding how to use Face-Aware Liquify will provide you with the capability to alter a person's face in an image, essentially with the movement of a couple of points within the Face-Aware mesh, or the movement of a couple of sliders in the Face-Aware Settings Area. At the end of the lesson you will be submitting an assignment where you will showcase your abilities with the Face-Aware Liquify function and the skills you have learned.

Lesson Learning Objectives

At the end of this lesson, the student will be able to:

- Identify the Liquify Menu
- Define the Face Aware feature and understand how it can be used when working with a Photoshop Document
- Manipulate a chosen image by applying the Face Aware feature in the Liquify Menu

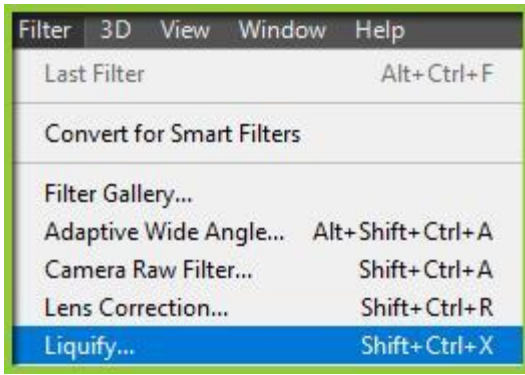
Lesson Notes

What is Liquify?

Liquify is a function within Photoshop that allows you to manipulate how an image looks with the click of a button. For a real world example, it is the function that makes models appear smaller than in real life. Liquify can make a person in an image look skinnier or larger, have bigger or smaller eyes and lips, and even make the size of his/her head seem smaller or larger than in real life.

What is Face-Aware Liquify?

In Photoshop CC 2015, Adobe introduced the Face-Aware option within the liquify window which allowed the Photoshop software to automatically detect when a face is present in an image. Face-Aware Liquify, then, is a function found within the Liquify Menu that provides you with the ability to solely manipulate a face within an image through pulling points, moving slider bars left and right, or changing values from -100 to 100. All of these actions will be explained in this lesson. When an image is opened within the Liquify Window, Photoshop will automatically interpret all of the faces in the image and give you the capability to manipulate all of them separately from one another.



Face-Aware Liquify

After you have opened an image in Photoshop, that contains at least one face you would like to manipulate, you first have to open the Liquify Window. To do this, **Click** on **Filter** in the **Menu Bar**, then **Click** on **Liquify**. It is important to note, when applying the **Liquify** function in any capacity, it will change that image completely. This means if you continue to work on your Photoshop Document and then want to go back, it will not be possible to change what the liquify looks like on your layer, or to remove the liquify function altogether. As a best practice, **ALWAYS** duplicate the layer you want to add the filter to, this will provide the ability to start over, or use a new, fresh layer to add a filter to.

Using Face-Aware Liquify

Once you've duplicated the image and selected Liquify, the Liquify function will open as a separate window. This window provides you with the ability to preview the changes on your image, change the Face Aware settings, choose between different liquify tools, and switch between your current changes and the original image.



The Liquify Preview Area | 1

When the Liquify window opens, similar to the filter gallery, remember to hit **Ctrl+0** to resize your image to fill your whole window so that you can ensure you are viewing the full image. At this point, you may be wondering what the white lines around certain parts of the face(s) are. These lines are essentially borders that depict where the edges of each part of the selected face are: eyes, nose, mouth, and face shape. The lines, as well as white points that can be viewed when hovering over an area of the face, can be used to control the settings you are changing on your face as you are making them (explained in more detail below).



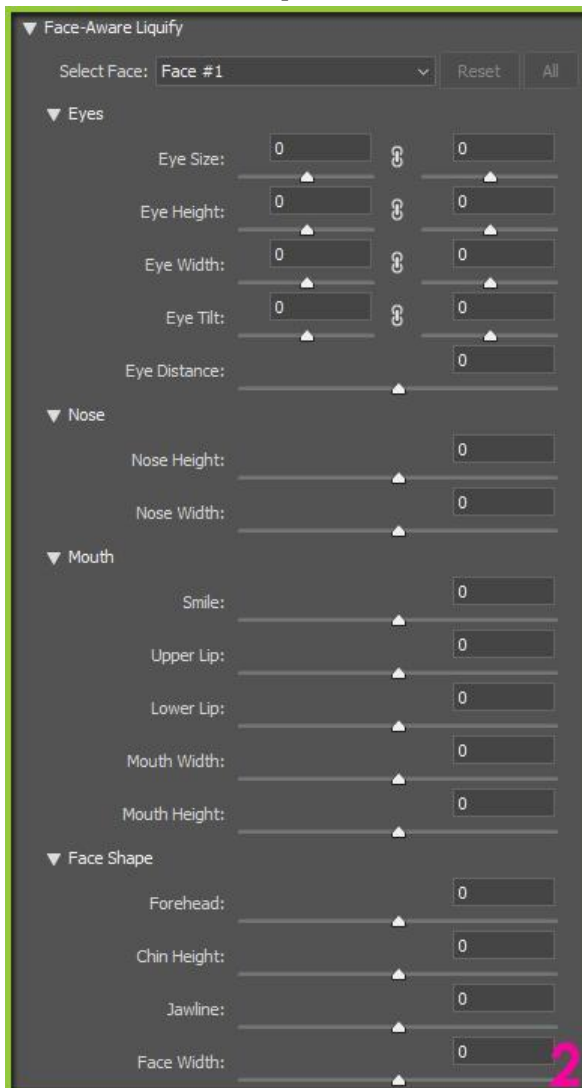
The Face-Aware Settings | 2

Once you've opened an image in the Liquify window, you will see the settings for the Face Aware Liquify function open to the right side of your Preview Area. This area allows you to alter slider bars from left to right, or change numerical values, in order to make the chosen area of the face look differently, depending on the settings you choose. The first thing you are going to do is choose which face in your image you would like to alter. To do this, you use the below setting, found first in the Face-Aware Liquify Area.

1. **Select Face** allows you to choose which face you would like to alter in an image that contains more than one face. Photoshop automatically chooses which **Face #(number)** will correspond with which face(s) in the image.


From there, the Face-Aware Liquify function has four areas of the face that you are able to alter.

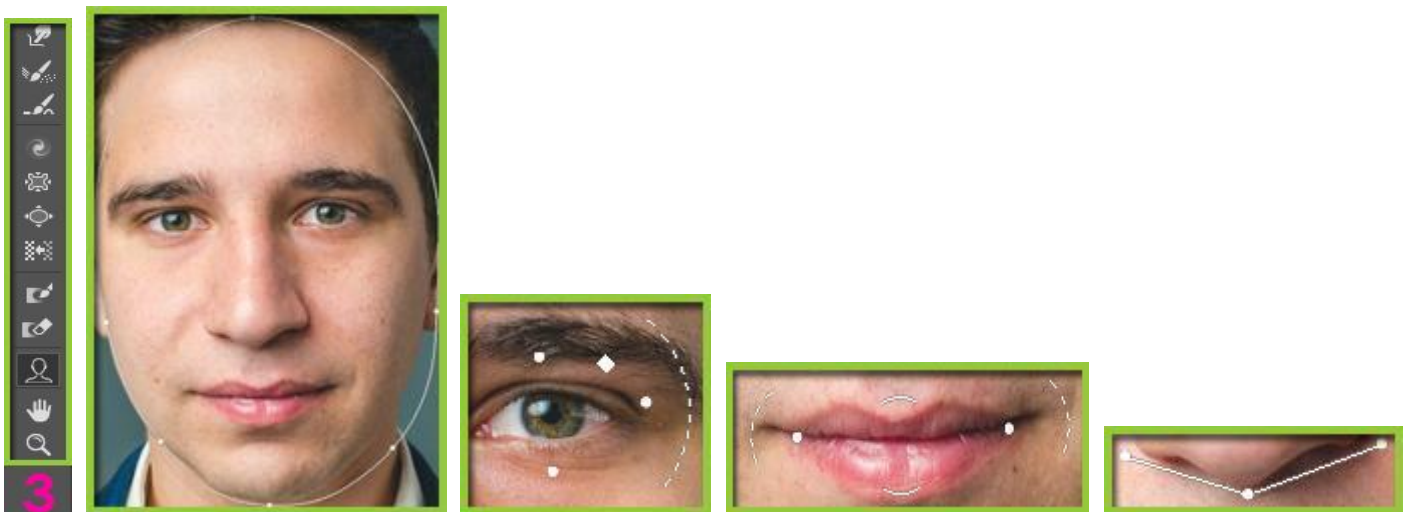
1. You have the ability to alter five different settings for the **Eyes** of the selected face. They are Eye Size, Height, Width, Tilt and Distance.
2. There are two different settings for the **Nose** area which are Nose Height and Width.
3. The Mouth area provides you with five setting areas for different sections of the mouth, including the Smile, Upper and Lower Lip, and Mouth Width and Height.
4. **Face Shape** is the last setting area and allows you to control the size of the forehead, the Height of the Chin, the Shape of the Jawline and the Width of the Face.



The Tools Panel | 3 | (Keyboard Shortcut A)

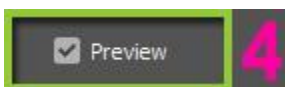
The Tools Panel, on the left of the liquify window, provides many liquify tools that are necessary in order to use the liquify function on an image.

For this lesson, we will focus on the Face Tool , which can be found third from the bottom of the tools panel and looks like the outline of a human body. With this checked to the selected position (darker grey background,) you can use points on the image itself to alter the areas of the face. When hovering over an area of the face (eyes, nose, mouth, forehead, chin or jaw) a white outline will appear with white dots that you can **Click** on and either drag outwards, inwards, up or down to change the setting of that area. The white dots and outlines for each of the areas of the face can be found in the images below. When you **Click** and **Drag** one of the dots around the face area, you will notice the value that corresponds with that area in the Settings area will change also. If you don't want to see the white outlines or dots when hovering over the face in your image, simply turn off the Face Tool or click on another tool in the panel.



The Preview Switch | 4

The Preview Switch allows you to switch back and forth between your current product (with all of the changes) and the original image. This is beneficial so that you do not have to close the Liquify window every time you want to view a comparison between what the original image looked like and what it looks like as you progress. Whenever you close the Liquify Window, it finalizes your settings, thus not allowing you to make any changes or revert any changes already made. Having the ability to switch your previews allows you to see your changes as you progress and finally only hit OK once you are happy with your end result.



Once you are happy with the changes you have made to your image **Click OK** in the bottom right of the Liquify Window to set your changes and view your newly manipulated image in your Photoshop Document Window.



Watch how to use the Face-Aware Liquefy Tool here: <https://vimeo.com/257556516>

Learning Activity

The following activities are designed to put all the reading you just completed into action and provide you with some practice of the lesson materials, the topics discussed, and ultimately prepare you for upcoming assignments and portfolio creation. These activities will not be submitted for marking.

1. Download an image of your choice from one of the websites mentioned in the previous lesson (The Filter Gallery). Ensure that the image has at **least one** face in it.
2. Create a new Photoshop Document using the downloaded image.
3. After creating a copy of your image layer, open the Liquify Window.
4. Using the Face tool or the Face Aware Settings, alter the look of the face in your image by changing the settings for the eyes, nose, mouth and face shape. As you are altering your image, make sure to switch your PREVIEW SWITCH on and off to see how your changes have affected your overall image.
5. When satisfied with the new look of your image, **Click OK** to set the changes on your new image.

Summary

Applying liquefy to images gives you the ability to completely change the look of an image with the use of a few tools, especially when it comes to the face. Understanding how to use the Face Aware Liquify function gives you the ability to completely alter the look of a face in an image and allows you to change the most minute detail or make drastic changes depending on the amount that you choose. As this is a widely used tool in the media industry, it is important to possess the abilities and skills to use these features in a variety of ways.

Next Steps

You will be completing a **Face-Aware Liquify** assignment this week. You will be submitting this assignment for grading. Once complete, think about a creative way to display this assignment in your upcoming portfolio.

Suggested Portfolio Progress

1. Thoughts about Colour Scheme
 - a. colour scheme swatch mock ups
 - b. colours you would like to add
2. Completed **Colour Theory** and Colour Design Sheets
 - a. any extra colour designs you would like to add
3. Completed **Selection Tools** Assignment
 - a. any other image creations completed by way of selections you would like to add
4. Completed **Creating and Editing Tools** Worksheet
 - a. any other uses of the creating and editing tools that you have completed
5. Completed **Layers** Assignment
 - a. any other uses of layers that you would like to add
6. Completed **Text and Layer Styles** Assignment
 - a. any other uses of text that you would like to add
7. Completed **Pen Tool Basics** Assignment
 - a. any other uses of the pen tool that you would like to add
8. Completed **Filter Gallery** Assignment
 - a. any other images with a filter from the filter gallery applied
9. Completed **Face-Aware Liquify** Assignment
 - a. any other liquified images you would like to add