

Lesson with the Flipping Gallery Plugin

For this lesson, I chose the **Flipping Gallery** plugin by Pete R., which enables you to create an interactive 3D image gallery. This plugin is easy to implement and provides ample opportunity for you to experiment and customize.

Lesson Plan: Flipping Gallery Plugin- Objective

By the end of this lesson, users will:

- ◆ Understand how to set up and use the Flipping Gallery plugin.
- ◆ Customize its features to suit their needs.
- ◆ Create a working demo page with an interactive 3D flipping gallery.

Getting Started- What You'll Need

- ◆ A code editor, I use Dreamweaver
- ◆ A web browser like Chrome, Firefox

Plugin Overview

- ◆ The **Flipping Gallery** plugin allows you to create a 3D flipping gallery using minimal HTML, CSS, and JavaScript. You can customize the flip direction, spacing, autoplay, and more, making it versatile and fun to use.

Step-by-Step Instructions

Step 1: Set Up Your Project

1. Create a folder named flipping-gallery-demo.
2. Inside the folder, create these files:
 - ◆ index.html
 - ◆ style.css
 - ◆ script.js
3. Add these links in the Head of the document (this will link the plug-in without needing to download.)
 - ◆ `<script src="https://code.jquery.com/jquery-2.1.4.min.js"></script>`
 - ◆ `<script src="https://cdn.rawgit.com/nnattawat/flip/master/dist/jquery.flip.min.js"></script>`

Step 2: Create the index.html File

1. Open a text editor. I use Dreamweaver.

2. Create a new file and save it as index.html in the flip-card-demo folder.
3. Add the following code to the file:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>3D Flipping Card with Images</title>

  <!-- Include jQuery from CDN -->
  <script src="https://code.jquery.com/jquery-2.1.4.min.js"></script>

  <!-- Include jQuery Flip Plugin from CDN -->
  <script
src="https://cdn.rawgit.com/nnattawat/flip/master/dist/jquery.flip.min.js">
</script>

  <!-- Link to CSS file -->
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <h1>3D Flipping Card with Images</h1>

  <div id="card">
    <div class="front">
      
    </div>

    <div class="back">
      
    </div>
  </div>

  <!-- Link to JavaScript file -->
  <script src="script.js"></script>
</body>
</html>
```

Step 3: Replace Image URLs

- ◆ Replace your-front-image.jpg and your-back-image.jpg with the actual file names of the images you want to use.
- ◆ Save your front and back images in the same folder as index.html in an assets file

Step 4: Create the style.css File

1. Create a new file and save it as style.css in the flip-card-demo folder.
2. Add the following code to the file or adjust as needed:

```
/* General styles */
body {
  font-family: Arial, sans-serif;
  text-align: center;
  background-color: #f4f4f4;
  margin: 0;
  padding: 20px;
}

/* Card container */
#card {
  width: 300px;
  height: 200px;
  margin: 50px auto;
  perspective: 1000px; /* Adds 3D effect */
}

/* Card faces */
.front, .back {
  width: 100%;
  height: 100%;
  backface-visibility: hidden;
  position: absolute;
  top: 0;
  left: 0;
  display: flex;
  justify-content: center;
  align-items: center;
}

.front img, .back img {
  width: 100%;
```

```
height: 100%;
object-fit: cover;
}

/* Back face styling */
.back {
  transform: rotateY(180deg);
}
```

Step 5: Create the script.js File

1. Create a new file and save it as script.js in the flip-card-demo folder.
2. Add the following code to the file:

```
$(document).ready(function () {
  // Initialize Flip Plugin
  $("#card").flip({
    axis: 'y', // Flip around the Y-axis
    trigger: 'hover', // Trigger flip on hover
    speed: 600 // Animation speed in milliseconds
  });
});
```

Step 6: Open the index.html File

1. Open the index.html file in a web browser (e.g., Chrome, Firefox).
2. Hover over the card to see the flipping animation.

You've done it. You created a flipping card!