

# UNIT OVERVIEW: [jQuery](#)

Lesson	Course	Exercises	Objectives	Progression Pathways	Time (min)
1	<a href="#">Introduction to jQuery</a>	1 - 13	<ul style="list-style-type: none"> <li>Understand what jQuery is used for, how it is linked to HTML/CSS and DOM</li> <li>Understand that jQuery is a library of JavaScript and the basic syntax such as <code>&lt;script&gt;</code></li> <li>Understand what <code>\$(document).ready()</code> is</li> <li>Understand the syntax of a function and implement the <code>.mouseenter()</code>, <code>.mouseleave()</code>, <code>.slideDown</code> and <code>.fadeOut()</code> keywords</li> </ul>	L2/4 data L5 programming <div style="display: flex; align-items: center; gap: 5px;"> <span style="background-color: purple; color: white; border-radius: 50%; padding: 2px;">AB</span> <span style="background-color: orange; color: white; border-radius: 50%; padding: 2px;">AL</span> <span style="background-color: green; color: white; border-radius: 50%; padding: 2px;">GE</span> </div>	30
2	<a href="#">jQuery Functions and Selectors</a>	1 - 13	<ul style="list-style-type: none"> <li>Understand variables, how they are used in functions and how they are conventionally named</li> <li>Implement event handlers and effects</li> <li>Recognise that functions can select elements, classes and IDs from HTML</li> <li>Recognise that functions can pass other functions and multiple selectors can be inputs</li> </ul>	L3/5 programming <div style="display: flex; align-items: center; gap: 5px;"> <span style="background-color: purple; color: white; border-radius: 50%; padding: 2px;">AB</span> <span style="background-color: orange; color: white; border-radius: 50%; padding: 2px;">AL</span> </div>	30
3	<a href="#">Modifying HTML Elements</a>	1 - 5	<ul style="list-style-type: none"> <li>Understand how HTML elements can be dynamically added using <code>.append()</code>, <code>.prepend()</code> and <code>.appendTo()</code> keywords</li> <li>Understand how to move elements and specify locations of new elements using the <code>.before()</code> and <code>.after()</code> keywords</li> </ul>	L3 programming <div style="display: flex; align-items: center; gap: 5px;"> <span style="background-color: purple; color: white; border-radius: 50%; padding: 2px;">AB</span> </div>	15
4	<a href="#">Modifying HTML Elements</a>	6 - 14	<ul style="list-style-type: none"> <li>Recognise and implement how to add, remove and toggle classes from a selector using <code>.addClass()</code>, <code>.removeClass()</code> and <code>.toggleClass()</code></li> <li>Understand that <code>.height()</code>, <code>.width()</code> and <code>.css()</code> event handlers can be used to modify CSS elements</li> <li>Understand that HTML elements can be modified and implement using <code>.html()</code> and <code>.val()</code></li> <li>Understand and implement the <code>.on()</code> general handler</li> </ul>	L7 data <div style="display: flex; align-items: center; gap: 5px;"> <span style="background-color: purple; color: white; border-radius: 50%; padding: 2px;">AB</span> </div>	25
5	<a href="#">jQuery Events</a>	1 - 12	<ul style="list-style-type: none"> <li>Review jQuery event handlers such as <code>.click()</code> and learn <code>.hover()</code> and <code>.dblclick()</code></li> <li>Recognise that multiple functions with effects can be passed into a single event handler</li> <li>Practice the <code>.fadeOut()</code>, <code>.addClass()</code> and <code>removeClass()</code> effects</li> <li>Understand and implement the <code>.focus()</code> event handler to a CSS element</li> <li>Practice adding a CSS element using <code>.css()</code> keyword</li> <li>Recognise and implement the <code>keyDown()</code> event handler and the <code>.animate()</code> effect</li> </ul>	L7 data <div style="display: flex; align-items: center; gap: 5px;"> <span style="background-color: purple; color: white; border-radius: 50%; padding: 2px;">AB</span> </div>	30
6	<a href="#">jQuery Effects</a>	1 - 14	<ul style="list-style-type: none"> <li>Understand the jQuery UI library and the event handler <code>.effect()</code> on images and <code>&lt;div&gt;</code>s</li> <li>Understand and implement the following inputs to <code>.effect()</code>: 'explode', 'bounce', 'slide', 'draggable', 'resizable'.</li> <li>Recognise and implement UI event handlers that pass lists: <code>.selectable()</code>, <code>sortable()</code></li> <li>Practice editing the HTML doc and implementing the <code>.accordion()</code> handler to an ID</li> </ul>	L5 programming <div style="display: flex; align-items: center; gap: 5px;"> <span style="background-color: purple; color: white; border-radius: 50%; padding: 2px;">AB</span> <span style="background-color: orange; color: white; border-radius: 50%; padding: 2px;">AL</span> </div>	30