



# JAVASCRIPT (JQUERY)

## BEGINNER

NAME:

AGE:

START DATE:

### EXTRA RESOURCES:

HTML basics <http://www.goodellgroup.com/tutorial/>

JAVASCRIPT <https://www.codecademy.com/learn/javascript>

JavaScript code monster <http://www.crunchzilla.com/code-monster>

### PREREQUISITES:

Have completed HTML activities

Software: Brackets <http://brackets.io/>

#### CARD 1

#### SETUP:

- exploring project structure in brackets

[http://kata.coderdojo.com/wiki/Beginner\\_JavaScript\\_Sushi](http://kata.coderdojo.com/wiki/Beginner_JavaScript_Sushi)

#### CHECKS:

- ☐ Is familiar with html elements (if not must complete HTML activities first)
- ☐ Was able to open the project in Brackets

#### CHALLENGE:

- ☐ Add a title to your page

#### CARD 2

#### SCRIPTING AND DEBUGGING:

- Opening files in brackets and previewing them in the browser
- Exploring jslint [http://www.javascriptlint.com/online\\_lint.php](http://www.javascriptlint.com/online_lint.php)

#### CHECKS:

- ☐ Can explain what debugging is
- ☐ Knows how to use error checking tool

#### CARD 3

#### CREATING A WEBPAGE:

- copying & renaming of files, learning project's structure

#### CHECKS:

- ☐ Knows how to copy/rename files
- ☐ Can inspect a file in the Brackets
- ☐ Is able to preview a file in the browser and see live changes made in brackets

**CARD 4****USING JAVASCRIPT IN A WEBPAGE:**

- onclick event and document.write()

**CHECKS:**

- ☐ Knows how to use an onclick event to display a message in a browser
- ☐ Is able to use and describe what document.write() does
- ☐ Knows where to put <script> tags

**CHALLENGE:**

☐ Check examples on W3 [http://www.w3schools.com/tags/ev\\_onclick.asp](http://www.w3schools.com/tags/ev_onclick.asp) of how onclick event is used with a custom function. Write your own function with a combination of document.write() to display your name in the browser

**CARD 5****USING JQUERY LIBRARY**

- including and referencing jquery library in the code  
- using onclick events, selecting elements and changing their values using jQuery

**CHECKS:**

- ☐ Understands what jquery is in relation to JavaScript
- ☐ Is able to use html() and val() functions to change values of html tags
- ☐ Knows the importance of \$(document).ready() (check <https://learn.jquery.com/using-jquery-core/document-ready/> for more)
- ☐ Knows how to select elements using \$ dollar sign

**CHALLENGE:**

☐ Find out what can \$ dollar sign be replaced with. What does \$ dollar sign references?

**CARD 6****CHANGE TEXT COLOUR AND SIZE**

- changing css properties

**CHECKS:**

- ☐ Knows how to change font size of an element when another element is clicked
- ☐ Able to manipulate transition property of an element and understands what it does
- ☐ Completed fun exercise

## CARD 7

## TOGGLE BETWEEN CSS CLASSES

- exploring toggle functions

CHECKS:

- ☐ Is able to demonstrate how to use toggleClass()
- ☐ Demonstrates how toggleClass() can be replaced with toggle() or fadeToggle() (completed Fun Exercise)

CHALLENGE:

- ☐ Explore what is the difference between toggle(), fadeToggle() and toggleClass()

## CARD 8

## ANIMATE AN IMAGE

- animate() and attr() functions

CHECKS:

- ☐ Is able to demonstrate how to use animate() function in order to change size and transparency of an image
- ☐ Knows how to replace an image using attr() function

CHALLENGE:

- ☐ Find out what can \$ dollar sign be replaced with. What does \$ dollar sign references?

## CARD 9

## JQUERY SELECTORS

- class and id selectors

CHECKS:

- ☐ Knows the difference between class and id selectors
- ☐ Is able to add id and classes to html elements
- ☐ Is able to use class and id selectors to interact with elements using jquery

**CONGRATULATIONS**  
**YOU HAVE COMPLETED**  
**BEGINNER JQUERY ACTIVITIES**