

# DWA\_02.8 Knowledge Check\_DWA2

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1. What do ES5, ES6 and ES2015 mean - and what are the differences between them?

ES5 is an abbreviation of ECMAScript 5 and also known as ECMAScript 2009.

ES6 or ECMAScript 6. It is also known as ECMAScript 2015

ES6 has higher performance, less time consuming, more features to use than ES5

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2. What are JScript, ActionScript and ECMAScript - and how do they relate to JavaScript?

JScript is Microsoft's implementation of an ECMA-compliant scripting language that is used in Microsoft's Internet Explorer 11 and older

ActionScript is an object-oriented programming language for Adobe Flash player, now known as Adobe Animate CC

ECMAScript (/ˈɛkməskɪpt/; ES) is a JavaScript standard intended to ensure the interoperability of web pages across different web browsers

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3. What is an example of a JavaScript specification - and where can you find it?

Arrow functions allow you to create functions in a cleaner way compared to regular functions. Arrow functions are particularly useful for calling into callbacks as they permit explicitly specifying which parameters to pass to the callback whereas binding will blindly pass along all parameters.

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4. What are v8, SpiderMonkey, Chakra and Tamarin? Do they run JavaScript differently? JavaScript engines

Yes, SpiderMonkey compiles JavaScript to an intermediate language which is interpreted. V8 differs by compiling JavaScript to machine instructions, eliminating a need for an interpreter.

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5. Show a practical example using [caniuse.com](https://caniuse.com) and the MDN compatibility table.

# Arrow functions - OTHER

Usage % of **all users** ?  
Global 96.21%

Function shorthand using `=>` syntax and lexical `this` binding.

Current aligned Usage relative Date relative Filtered All

Chrome	Edge *	Safari	Firefox	Opera	IE	Chrome for Android	Safari on iOS *	Samsung Internet	Opera Mini *	Opera Mobile *	UC Browser for Android	Android Browser *	Firefox for Android	QQ Browser	B
4-44		3.1-9.1	2-21	10-31			3.2-9.3	4							
45-113	12-113	10-16.4	22-112	32-98	6-10		10-16.4	5-20		12-12.1		2.1-4.4.4			
114	114	16.5	113	99	11	114	16.5	21	all	73	13.4	114	113	13.1	
115-117		16.6-TP	114-115				16.6-17								

Notes Test on a real browser Known issues (0) Resources (5) Feedback