# JavaScript Exam Study Guide

The focus of the quiz will be on the correct recall of JavaScript syntax, and understanding of how JavaScript code runs. A small bit of jQuery will be included as well.

The quiz will be a closed book, closed notes, quiz. It will be a traditional paper-based quiz. You can expect the quiz to have 30 points. Questions will be worth one point each unless otherwise noted.

Some questions will be multiple choice. Some questions will be short answer (that is, one or two words, or a single line of code). Other questions will require the student to write several lines of code. The questions that require students to write several lines of code are typically worth more points than the multiple-choice / short-answer questions.

Here’s a list of topics that suggest what you can expect to see on the quiz.

## JavaScript Fundamentals

* Data types: numbers, strings, Booleans.
* What are valid / invalid variable names? How to declare and assign a variable using var.
* Math operators: +, -, \*, /, %
* The syntax of the $().val() syntax to get the value from the user.
* The syntax of the $().html() syntax to put data in an HTML tag.
* Print a value to the console using console.log()
* Useful functions: isNaN(), parseInt(), parseFloat()
* Comparison operators: ==, !=, >, <, >=, <=
* Logical operators: !, &&, ||
* The syntax of “if” statements (“if - else if - else”). This includes the ability to compare variables and/or literal values.
* The syntax of a “for” statement. This includes the use of the “++” operator to add one to a variable. (As in: “i++”).
* The basic pattern for expressing a function in JavaScript: function *somename*(){};
* Passing values into a function with parameters and getting a result with return.
* Number variables as objects: the .toFixed() method.

## jQuery

### Selectors

# for ids

### Events

.click()

### Methods

.val(), .html(), .append()