**Subject**: Web Development **Lesson**: Javascript

**Class**: Grade 10 & 11 **Time**: 2 Sessions (100 minutes)

**Date**: 07/11/2017 **Teachers**: M. Al-Musawi, R.Damaj & R.Khalil

**Purpose of the Lesson:**

The main purpose of this lesson is to demonstrates what Javascript is and how it can help make a dynamic web-site.

**Objectives**:

After completing this lesson, you will:

1. Learn some DOS commands.
2. Learn the benefits of Javascript.
3. Learn how to make a variable in Javascript.
4. Learn about if conditions in Javascript.

**Terms:**

Javascript, DOS, variable and if condition.

**Session:**

1. Define DOS.

The term **DOS** can refer to any operating system, but it is most often **used** as a shorthand for MS-**DOS** (Microsoft **disk operating system**). Originally developed by Microsoft for IBM, MS-**DOS** was the standard operating system for IBM-compatible personal computers.

1. Define DOS commands.

<https://www.lifewire.com/dos-commands-4070427>

* Cd: Change Directory.
* Mkdir: Make Directory.
* Cls: Clear Screen.
* Dir: Directory.

1. Define Javascript.

<https://www.w3schools.com/js/js_intro.asp>

1. Define Javascript variables.

<https://www.w3schools.com/js/js_variables.asp>

var x = 5;  
var y = 6;  
var z = x + y;

1. Define Javascript conditions.

<https://www.w3schools.com/js/js_if_else.asp>

if (hour < 18) {  
    greeting = "Good day";  
} else {  
    greeting = "Good evening";  
}

**Exercise 1:**

Create a file and name it script.js, and use the four operators + - / \*

**Hint:**

var x = 5;  
var y = 6;  
var z = x + y;

console.log(z);

**Exercise 2:**

Create a file and name it script.js, that will print the mark of a student based on the score.

**Requirement:**

1. If the mark is greater than or equal 90 print excellent.
2. If the mark is greater than or equal 80 print very good.
3. If the mark is greater than or equal 70 print good.
4. If the mark is greater than or equal 50 print average.
5. If the mark is greater than or equal 10 print failed.
6. If the mark is less than 10 print god help you.