**Subject**: Web Development **Lesson**: jQuery

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

**Date**: 00/00/2018 **Teachers**: M. Al-Musawi, R.Damaj & R.Khalil

**Purpose of the Lesson:**

The main purpose of this lesson is to demonstrates how to use jQuery and how easy it is compared to vanilla JavaScript.

**Objectives**:

After completing this lesson, you will:

1. Learn what is the difference between Framework and Library.
2. Learn how to add jQuery CDN to a website.
3. Learn how to write jQuery syntax.
4. Lean how to select HTML elements by tag name, id or class.
5. Learn how to use jQuery effect such as click, hover and hide/show.

**Terms:**

jQuery, Framework, Library.

**Session:**

1. Define jQuery.
   1. The purpose of jQuery is to make it much easier to use JavaScript on your website.
   2. <https://www.w3schools.com/jquery/jquery_intro.asp>
2. Adding jQuery CDN to html file.
   1. Go to <https://code.jquery.com/>
   2. Copy the jQuery CDN by clicking on minified.
      1. <script   src="https://code.jquery.com/jquery-3.3.1.min.js"   integrity="sha256-FgpCb/KJQlLNfOu91ta32o/NMZxltwRo8QtmkMRdAu8="   crossorigin="anonymous"></script>
   3. Add the CDN to HTML Head tag.
3. Define jQuery Selector.

<https://www.w3schools.com/jquery/jquery_selectors.asp>

1. Define jQuery Events

<https://www.w3schools.com/jquery/jquery_events.asp>

**Exercise:**

Create an HTML form that have the following inputs.

**Requirements:**

1. Two inputs type text for first and last name.
2. Input for the date of birth.
3. Select option to select the subject
4. Input type radio to check whether the student a male or female.
5. The form should be well designed.