**Subject**: Web Development **Lesson**: Introduction to HTML

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

**Date**: 2/11/2017 **Teachers**: M. Al-Musawi, R.Damaj & R.Khalil

**Purpose of the Lesson:**

The main reason is to introduce the concept of Web Development and the importance of this skill.

**Objectives**:

After completing this lesson, you will be able to:

1. Understand what Web development is.
2. Understand the importance of Web Development.
3. Learn the meaning and uses of HTML.
4. Learn what tags and attributes mean.
5. Learn how to add an image to the web-site.
6. HTML5 and why we should use it.
7. Build their first simple static web-site.

**Terms:**

Web Development, HTML, Tag, Attribute.

**Required Materials:**

A text editor, example Brackets(recommended), Atoms, or Microsoft Visual Studio. The latest version of Google Chrome.

**Session:**

1. Define Web Development and why Web Development is a very important skill.

<https://codepen.io/andrewatts85/post/top-10-reasons-to-learn-web-development>

1. Define the web-site and web-page and the difference between them.

The difference between a website and a web page is that a website is a collection of web pages with information on a subject, and a web page is a smaller part of a larger website usually containing more specific information. If a website were a book, then a webpage would be a chapter in that book.

1. Define HTML and how all web-sites are built using is programming language.

<https://www.w3schools.com/html/html_intro.asp>

1. Define the basic structure of HTML file.

<https://www.w3schools.com/html/html_basic.asp>

1. Define what a tag is, and the difference between an opening tag and closing tag.

An HTML element usually consists of a start tag and end tag, with the content inserted in between:

<openingTag> Content goes here...</closingTag>

1. Define what an attribute mean.

<https://www.w3schools.com/html/html_attributes.asp>

1. Define why we should but <!Doctype HTML> at the start of every HTML file.

<https://www.w3schools.com/tags/tag_doctype.asp>

1. Define the following tags and their uses:

* html
* head
* body
* title
* h1-h6
* p
* img

**Exercise:**

Create a simple web-page that contain the following:

1. Basic structure of a HTML page.
2. A title for web-site.
3. Your name, grade , Date of birth and hobbies. You must use at least four different heading tags (h1-h6).
4. Add an image to web-site.
5. Add a simple paragraph using <p> tag.

Extra Challenge:

1. Change the formatting using HTML Formatting tags.

<https://www.w3schools.com/html/html_formatting.asp>