**Subject**: Web Development **Lesson**: CSS3 Animation

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

**Date**: 09/11/2017 **Teachers**: M. Al-Musawi, R.Damaj & R.Khalil

**Purpose of the Lesson:**

The main purpose of this lesson is to teach student how to use animation in a web-site.

**Objectives**:

After completing this lesson, you will:

1. Understand how to divide a web-page into a different divisions.
2. Learn about div element and it uses.
3. Learn CSS3 animation.
4. Learn how to use animation to change the properties of an elements.
5. Learn how to set a timer for the animation.

**Terms:**

CSS3, Animation and Division.

**Session:**

1. Define div elements.

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

1. Define the differences between div and p elements.

The **div** tag can contain other elements. **P** should not be forced to do that. They have semantic difference - a **<div>** element is designed to describe a container of data whereas a **<p>** element is designed to describe a paragraph of content. The semantics make all the difference.

1. Define CSS3.

<https://www.w3schools.com/css/css3_intro.asp>

1. How to use animation in CSS3.

<https://www.w3schools.com/css/css3_animations.asp>

div {  
    background-color: red;  
    animation-name: divColor;  
    animation-duration: 4s;  
}

@keyframes divColor {  
    from {background-color: red;}  
    to {background-color: yellow;}  
}

**Exercise:**

Create an HTML web-page that contain the Lebanese flag.

**Requirements:**

1. The flag must contain three div.
2. The image of the cedar should be centered.
3. You must use CSS3 animation.
4. The flag must be hidden when you open the page then it starts to appear.

**Extra challenge:**

1. Add the Lebanese anthem (Hint: search for audio tag).

