*Introduction to HTML and CSS*

*DMAC 2016*

*Erin Kathleen Bahl*

**Structure of an HTML Document**

<!DOCTYPE html>

<html>

<head>

<title>Title of Page</title>

<link rel=”stylesheet” type=”text/css” href=”style.css”

</head>

<body>

Content

</body>

</html>

**Some Useful HTML Tags**

Alt: <x alt=”description of entity”>Entity</x>

Bold: <b>**Lorem Ipsum**</b>

Break: <br>

Comment: <!-- this comment will show up in the code but not the web view -->

Division: <div>Acts as a container for a section of the page</div>

Italics: <i>*Lorem Ipsum*</i>

Heading 1: <h1>Most Important Heading</h1>

Heading 2: <h2>Second Most Important Heading</h2>

etc. (the smaller the number, the less important the heading, down to <h6>)

Horizontal Rule: <hr>

Link: <a href=”<http://www.link.com>” alt=”describe link”>Linked Text</a>

Paragraph: <p>Paragraph</p>

Span: <span>Used to group inline elements in a document</span>

More tags here: <http://www.w3schools.com/html/default.asp>

**Adding Media**

*Image*: <img alt=”description of image” src=”images/image1.jpg”>

*Video*

<video width="400" controls>

<source src="mov\_bbb.mp4" type="video/mp4">

Your browser does not support HTML5 video.

</video>

OR go to YouTube, click “Share”, select “Embed”, and copy the code into your document

*Audio*

<audio controls>  
<source src="horse.mp3" type="audio/mpeg">  
Your browser does not support the audio element.  
</audio>

**CSS (Cascading Style Sheet) Properties**

Background Color: body {background-color: blue;}

Comment: /\* this comment won’t affect the code at all \*/

Class (controls a group of elements): .classname {insert styling}

HTML: <p class=”classname”>Paragraph</p>

ID {controls specific, unique elements): #idname {insert styling}

HTML: <p id=”idname”>Paragraph</p>

Color: p {color: blue;}

Color with hex code: p {color: #xxxxxx;}

A fun place to find hex codes: <http://www.design-seeds.com/>

Font Size: p {font-size: large;}

More font sizes here: <http://www.w3schools.com/cssref/pr_font_font-size.asp>

Margin: div {margin: 30px; margin-left: 40px; margin-right: 50px;}

Underline: {text-decoration: underline;}

More properties here: <http://www.w3schools.com/css/default.asp>

**For further exploration:**

Aptana Studio: <http://www.aptana.com/>

Code Academy: <https://www.codecademy.com/>

Design Seeds: <http://www.design-seeds.com/>

Stacks Overflow: <http://stackoverflow.com/>

W3 Schools: <http://www.w3schools.com/>

WebMonkey: <http://www.webmonkey.com/tutorials/>

**Assignment:**

**Edit “Goldilocks and the Three Bears”**

**(until it is JUST right ☺ )**

With HTML:

* break the text into paragraphs (your choice!)
* make one sentence italicized
* make one sentence bold
* make one sentence underlined
* insert three images
* insert one audio file
* insert one video
* create one “div”

With CSS:

* change the background color
* change the text alignment
* make Papa Bear’s text big
* make Mama Bear’s text medium
* make Baby Bear’s text small
* make your one “div” a new color