The ICT4me Curriculum

About ICT4me

ICT4me is an after school and summer curriculum for middle school youth to develop ICT fluency, interest in mathematics, and knowledge of information, communication, and technology (ICT) careers. This problem-based curriculum capitalizes on youth interest in design and communication technologies. ICT4me provides structured interactions with ICT professionals, including having youth participate in engineering design and development teams. ICT4me's promotes a train-the-trainer approach to building capacity in informal ICT learning.

Build IT vs. ICT4me

ICT4me is a derivative of the Build IT curriculum co-developed between SRI International and Girls Inc. of Alameda County. Questions about the Girls Inc. implementation of Build IT can be directed to them at http://www.girlsinc-alameda.org/about/contact.

SRI is no longer supporting the development of ICT4me, so the curriculum materials are offered as is.

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Attribution

Electronic Versions of Materials

Electronic versions of all materials in this unit are available for download from the website at http://ict4me.sri.com/.

Contact Information

Please contact the SRI International Inquiry line for questions about ICT4me.
https://www.sri.com/contact/form

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INTRODUCTION TO UNIT 3

This Technology Guide provides three short tutorials to help you use HTML in Unit 3:

Tutorial 1: Set up the Chat Feature
Tutorial 2: HTML - Commands/Tags
Tutorial 3: Three WYSIWYG Examples

For more details on the chat feature and writing HTML, check out the online Introduction to HTML at http://ict4me.sri.com/chat/html_tutorial/overview.php

Tutorial 1: Set up the Chat Feature

To enable the youth to create a chat feature on their websites, you will have to set up a Chat client.

What you need:
1. Go to How To Create your Chat Client at http://ict4me.sri.com/chat/async_chat/creating_client.html where you will download the instructions and the chat feature zip file.
2. PHP on your server.
3. Your technical support person (preferably the information systems person that supports your site.)

4. Review the Infroduction to HTML guide at http://ict4me.sri.com/chat/html_tutorial/overview.php

The "How To Create Your Chat Client" page linked to from the bottom left "Chat!" link in this guide provides details on how to set up the chat feature.

TUTORIAL 2: HTML – COMMANDS/TAGS

Setting up an HTML file

Always name files with **.html (page 1 should be saved: index.html)**

Always start by typing this in your HTML editor:

<html>
<head>
<title>   </title>
</head>

<body>

</body>
</html>

Make a Title for your webpage

<u>**Title**</u> **your webpage:** *title* tag belongs inside *head* tag. Make sure your title is related to what that page is about.

<head>
<title>Soccer Homepage</title>
</head>

This title will appear at the top of the browser and it needs to describe the page-it does NOT show up on the white space of the page!

Make a Header

Create a <u>Header</u> with tags h1 through h6:
h1 is the largest header, h6 is the smallest. This will make your text look bolder and bigger!

`<h1>`How to play soccer`</h1>`

Appears as:

How to play soccer

Skip lines (Return/Enter)

`<br>` **is like pressing <u>Return/Enter</u>.** You type this to go to the next line.

`<br>`
`<br>`
Will skip down 2 lines

Make a horizontal line

`<hr>` **gives you a <u>horizontal rule</u>, a line across the page**

Appears as:

_____

Italics and Bold

<u>For *italics* font</u>*:*
In soccer you `<em>`can't`</em>` use your hands.

Appears as:
In soccer you *can't* use your hands.

<u>For **Bold** font:</u>
The `<strong>`goalie`</strong>` can use their hands.

Appears as:
The **goalie** can use their hands.

If you want multiple tags or combine tags you need to close them in the order they were opened.

Example- If you want **bold** and *italics*:
Soccer is the most popular sport in the world.

Appears as:
Soccer is the ***most popular sport in the world.***

Create Hyperlinks to your own pages

Type in your file name with .html
Home Page

Appears as:
Home Page

Create Hyperlinks to outside websites
Type in complete website address
Google

Appears as:
Google

Images
Save images as **.jpg** in folder and type in the name of the image file.

Appears as:

Change Image Size: Use the width tag and select the size you want.

Appears as:

Image will take up 20% of the width of the page. 100% takes the width of the whole page

Align/Move Image to right: Place image to the <u>right</u> on the page:

Appears as:

Borders around Images: A larger number gives a thicker border

Appears as:

If you want to combine all tags to the image type:

Appears as:

Images as Hyperlinks:
Type in the web address to link to, and type in the name of the image file

Appears as:

girls
inc.

When you click on the Girls Inc image it will take you to the website!

Centering Images, Header & Text

Move Image to center:

<center></center>

Appears as:

Move Header to center:

<center><h1> How to play soccer </h1><center>

Appears as:

How to play soccer

Move text to center:

<center> Mia Hamm is a very famous women's soccer player. </center>

Appears as:

Mia Hamm is a famous soccer player.

Color

Color names

	Black		Green
	Silver		Lime
	Gray		Olive
	White		Yellow
	Maroon		Navy
	Red		Blue
	Purple		Teal
	Fuchsia		Aqua

Font Color:

 Mia Hamm

Appears as:

Mia Hamm

Background Color:

This tag must go **inside** the <body> tag.

<body bgcolor="yellow">

Appears as:

How to Play

Mia Hamm

Font Style:

Font styles you can use:

Arial Black

Curlz MT

Bernard MT Condensed

Harrington

Britannic Bold

Lucida Handwriting

Cooper Black

Papyrus

Century Gothic

Mia Hamm

Appears as: Mia Hamm

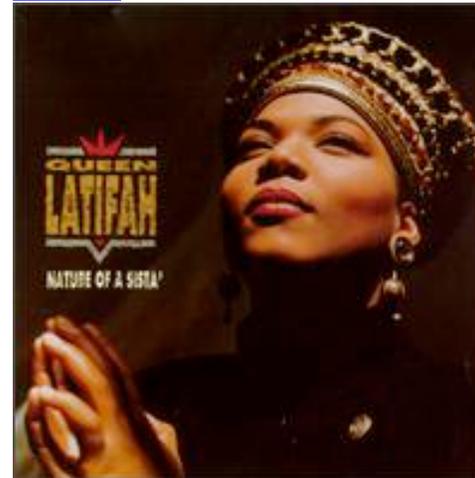# TUTORIAL 3: THREE WYSYWIG EXAMPLES

WYSIWYG means *What You See Is What You Get*. When something on a computer is WYSIWIG, it means that what you see on the computer screen is what you would see if you printed it or displayed it somewhere else.

FREESTYLE

"I break into a lyrical freestyle
Grab the mic, look into the crowd and
see smiles…"

To read more:
http://yahooligans.yahoo.com/content/music/artist?id=10300

Own Two Feet

 "Cause they see a woman standing up on her own two
Sloppy slouching is something I won't do…"

To read more:

http://yahooligans.yahoo.com/content/music/artist?id=10300

Stereotypes

"Some think that we can't flow (can't flow)
Stereotypes, they got to go (got to go)." Queen Latifah, "Ladies First"

To read more:

http://yahooligans.yahoo.com/content/music/artist?id=10300