Inclusive Introduction to Design and Coding

Katherine Hepworth, PhD
University of Nevada, Reno
Overview
Overview

Context
Overview

Context

Learning theory
Overview

Context

Learning theory

Teaching strategy
Overview

Context

Learning theory

Teaching strategy

The course
Overview
Context
Learning theory
Teaching strategy
The course
Learning goals
Overview

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The course

Learning goals

Learning games
Overview

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Learning theory
Teaching strategy
The course
Learning goals
Learning games

Instruction challenge
Context
“An Australian walks into a classroom in Reno...”
Learning theory

SOCIAL CONSTRUCTIVISM
Social interaction leads to learning
Teaching strategy

GAMIFICATION
Incorporate game play strategies into education
Teaching strategy

GAMIFICATION

Experience points
Teaching strategy

GAMIFICATION

Experience points

Incremental incentives
Teaching strategy

GAMIFICATION

Experience points

Incremental incentives

Rules of play
The Course

ALL THINGS MEDIA: DESIGN
The Course

ALL THINGS MEDIA: DESIGN

Introduction to communication design principles
Learning Goals

Students learn to harmoniously integrate:
Learning Goals

Students learn to harmoniously integrate:

Colors
Learning Goals

Students learn to harmoniously integrate:

Colors

Vector-based images
Learning Goals

Students learn to harmoniously integrate:

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Vector-based images

Typography
Learning Goals

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Composition
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Students learn to harmoniously integrate:

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Coding
Learning Games

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Vector-based images
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Coding

Color.method.ac
The Bezier Game
Kerntype + Type Connection
Mozilla Thimble
Learning Games

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The Bezier Game

Kerntype + Type Connection
Typeface  Gotham Black
Designer  Tobias Frere-Jones
Released  2000
Life's too short to live alone. **Choose** a main character to match.

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**UNIVERS** – Adrian Frutiger, 1957

Univers is a neo-grotesque sans serif conceived as a total system for both metal and type and Helvetica's invisibility. Univers'
Learning Games

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The Bezier Game

Kerntype + Type Connection

No game! Learning activity...
Instruction Challenge

Write instructions for learning a journalistic skill, in HTML & CSS
Instruction Challenge

Write instructions for learning a journalistic skill, in HTML & CSS

Mozilla Thimble instructional activity
Write the Web
On the Web

Thimble is an online code editor that makes it easy to create and publish your own web pages while learning HTML, CSS & JavaScript.

Start a project from scratch

Remix a project to get started...
Firstname Lastname's Name of Site
An Instruction Challenge for JOUR108

How to make an awesome ...

Assembly time: 30 minutes
Awesome rating: 10% awesome

Are you wondering how to make a cool rocket that can easily surpass a baking soda-vinegar rocket? It's really fun to make. Why don't you try to make it yourself? Follow the steps and you'll make a great rocket!

Things You'll Need

- Bottle
Firstname Lastname's Name of Site
An Instruction Challenge for JOUR108

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TASK 1

Replace the header contents:
- replace logo with an image of your own (100px x 100px and containing transparency).
- replace 'Firstname Lastname' with your name
- replace 'Name of Site' with a new site name

```html
<header>
  <link rel="stylesheet" type="text/css" href="style.css"/>
  <img src="https://farm9.staticflickr.com/8697/16174797344_3c22e14ba4_o.png" width="100" align="right" height="100"
       alt="KH_monogram">
  <h1>Firstname Lastname's Name of Site</h1>
  <h3>An Instruction Challenge for JOUR108</h3>
</header>
```

TASK 2

Add your introduction to your step-by-step-guide, including a title, time required to complete the activity, and a rating of how awesome the activity is.

**Things You'll Need**

- Bottle
Instruction Challenge

HTML & CSS
Instruction Challenge

HTML & CSS

Consistent use of type, color, and vector-based monograms
Instruction Challenge

HTML & CSS

Consistent use of type, color, and vector-based monograms

Embedding Youtube videos
Instruction Challenge

HTML & CSS

Consistent use of type, color, and vector-based monograms

Embedding Youtube videos

Embedding images
Instruction Challenge

HTML & CSS

Consistent use of type, color, and vector-based monograms

Embedding Youtube videos

Embedding images

Plain language instruction writing
Conclusion

Considered integration of learning theory, design principles, tech, and traditional journalistic skills can make coding feel more accessible to diverse students.
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Links are in the Google Doc
Thank you

@khepworth
khepworth@unr.edu
https://kathep.com/research