



Ten Checkpoints of a Web Standards Based Curriculum

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What are standards

- W3C standards
 - HTML and XHTML
 - CSS
 - DOM
- ECMA standards
 - ECMAScript

What happens with standards?

- DOCTYPE for standards mode
- Separate content from presentation
 - Accessible
 - To people
 - To software
 - To search engines
 - Device independent
- Stable over time
- Ready for internationalization

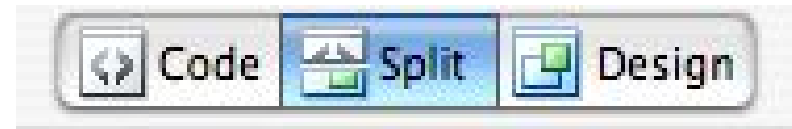
1. Dig into DOCTYPES

- Know what DOCTYPES are and how to choose the best one
- Use the W3C specs for the DOCTYPE you choose



2. Go Behind WYSIWYG

- Learn the building blocks
- Know what code is created by actions in WYSIWYG views



3. Separate Content from Presentation

- Presentation is all in the CSS
- Content uses semantic structure
 - Semantic markup is understood by all
 - Web pages are accessible
 - Web pages work on all devices



4. Use Unobtrusive JavaScript

- Separate behavior from content and presentation
- JavaScript as an enhancement, but site must still usable without the behaviors
- Scripts, like CSS, go in external files

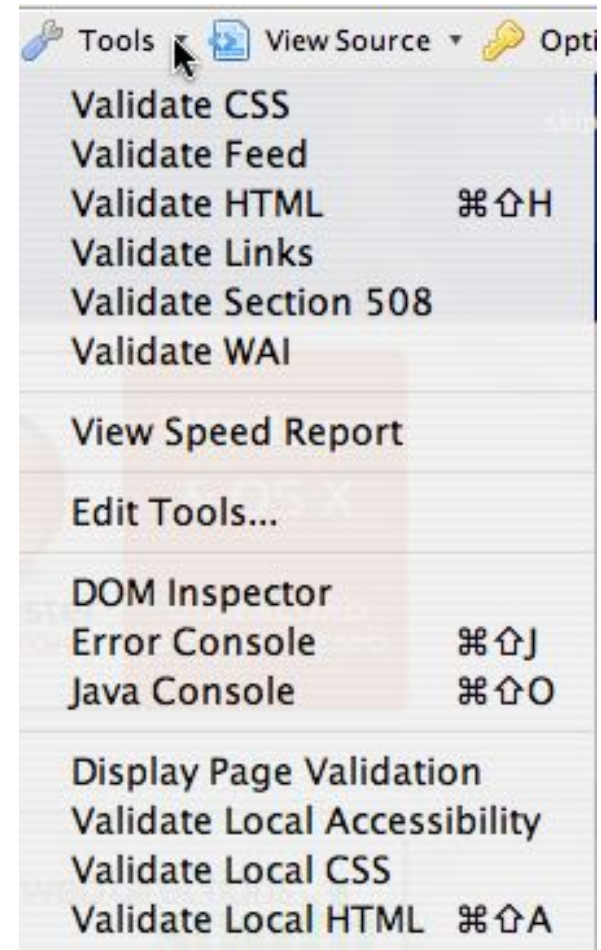
DOM
DOM
DOM
DOM

DOM

One Document
Object Model
Coming Right up

5. Validate

- Validate both HTML and CSS as part of the design process
- Learn to use tools and software to validate and debug pages



6. Test

- Testing knowledge needed includes:
 - Accessibility
 - Usability
 - Color contrast
- Browser testing on multiple browsers
- Screen reader testing



The screenshot shows the website for 'Juicy Studio'. The page title is 'Colour Contrast Analyser'. The breadcrumb trail is 'You are here: Home → Quality Assurance → Colour Contrast Analyser'. There is a 'Site Navigation' link. The 'Contents' section lists: Translations, Colour Contrast, Analyse Colours, Colour Brightness Formula, and Colour Difference Formula. The 'Translations' section lists: Spanish Version, Japanese Version, and Brazilian Portuguese Version. The page is framed by a yellow border.

Juicy Studio

Colour Contrast Analyser

You are here: [Home](#) → [Quality Assurance](#) → [Colour Contrast Analyser](#)

→ [Site Navigation](#)

Contents

- ▶ [Translations](#)
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- ▶ [Colour Difference Formula](#)

Translations

- ▶ [Spanish Version](#)
- ▶ [Japanese Version](#)
- ▶ [Brazilian Portuguese Version](#)

Colour Contrast

7. Accessible Flash/Multimedia

- Captioning
- No strobing content
- Keyboard accessible
- Screen reader accessible



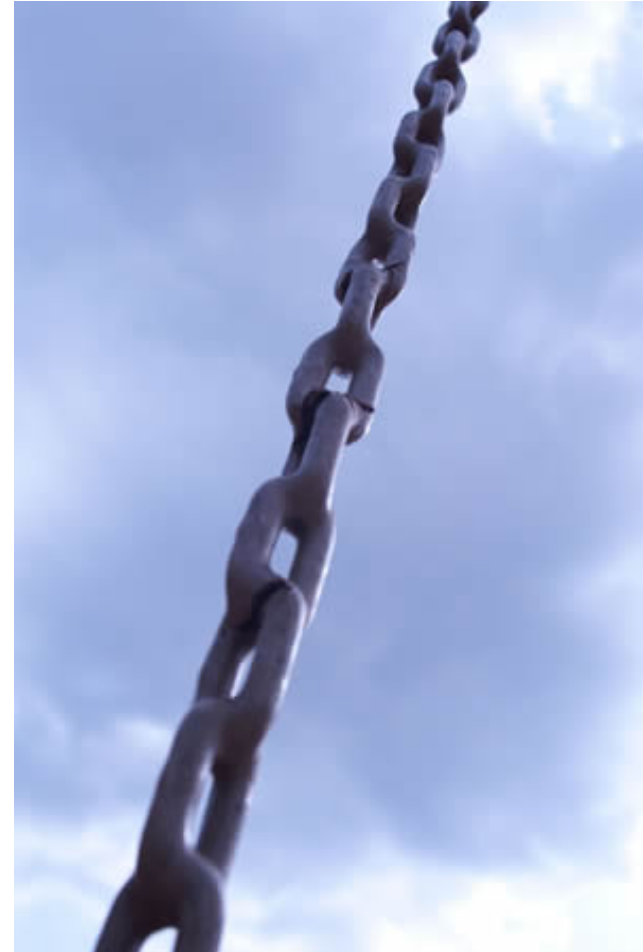
8. Eliminate the Deprecated

- Deprecated methods such as using tables-based layouts and frames, styling with font tags, and all obsolete technology is *not taught*.
- Students don't have to *unlearn* for top industries or jobs



9. Coherence

- There is a coherent strategy for all the classes over the entire range of course work
 - Design & Illustration
 - HTML & CSS
 - Programming
 - Multimedia



10. Teach the Teachers

- Teachers get constant updates and retraining to keep up with the technology
- Teachers don't live in a Web 1.0 world when everyone else is looking forward to Web 3.0.

