Sass Coding Standards - UCL WAMS

The current state of the Indigo project does not guarantee the below guidelines are being met. We will work on bringing the project up to these standards and require future work on the project adheres to them.

EDITING CONVENTIONS

1. **Do** use the editor config. This will enable you to be consistent with indentation - Indigo includes an editor config so please make sure your IDE is compatible with it.
2. **BONUS MARKS -** install node js and grunt and make sure the grunt default task is running successfully for your project before you begin editing.
3. If running grunt, **Don't** bother using vendor prefixes, our grunt configuration auto prefix does the hard work for you!
4. **Do** use CSS comments to separate sections of code, with a single blank line below and above

   //do this

   .content{

       width: 100%;

   }

   /* footer styles

   --*/

   .footer{

       width: 100%;

   }

5. **Do** use SASS commenting to comment out single lines

   //do this

   ```
   .footer{

           //background-color: $corporateBlue;

           background-color: $corporateRed;

   }
   ```

6. **Do** add a blank line between blocks in section

   //do this

   ```
   .news-article{

           font-size: 1em;

   }


   .news-article--alert{

           font-size: 2em;

   }
   ```

   //don't do this

   ```
   .news-article{

           font-size: 1em;

   }
   .news-article--alert{

           font-size: 2em;

   }
   ```

7. **Don't** add whitespace before parenthesis

   //do this

   ```
   .news-article{

           font-size: 1em;
   ```

```
        }
```
//don't do this
```
    .news-article   {

            font-size: 1em;

    }
```

8. **Do** leave a space between a property's trailing colon and it's attribute

//do this
```
    .news-article{

            font-size: 1em;

    }
```
//don't do this
```
    .news-article{

            font-size: 1em  ;

    }
```

9. **Do** host CSS on UCL CDN e.g. http://cdn.ucl.ac.uk/

10. **Do** use the screen.css as your platform

11. **Do** create theme css files for site specific styles

12. **Do** request a Github repository from UCL-WAMS

13. **Do** commit at least the SASS changes to your Github repository

14. **Do** keep the readme up to date

SASS ARCHITECTURE

15. **Do** use your global scss files (e.g. screen) as a table of contents. You should modularize your code in component parts in the partials directory.

16. In your global scss files **Do** List Vendor/Global Dependencies First, Then Author Dependencies, Then Patterns, Then Parts

17. **Don't** nest more than 3 levels deep

18.   **Don't** nest more than 50 lines

19.   **Do** name your partials as _mypartials.scss

REUSEABLE SASS

20.   **Do** use Indigo's patterns where possible in site specific themes

21.   **Do** use SASS variables where there is a lot of repetition or in cases where you need to create variables programmatically.

22.   **Do** use gridset mixins when writing media queries

23.   **Do** use gridset mixins to set column widths

24.   **Do** variablize numbers with variable names with meaning - e.g. z-indexes

25.   **Do** variablize your colours

SASS/CSS CONVENTIONS

26. **Do** use BEM naming convention https://bem.info/method/definitions/

27. **Do** write class names using lower case and hyphenated

28. **Do** use 1 rule per line

29.   **Do** group similar properties together
   a. Display
   b. Positioning
   c. Box model
   d. Colours & Typography
   e. Other

30.   **Don't** group media queries

31.   **Do** list @extend(s) first, regular styles next, @includes next and nested selectors last - http://css-tricks.com/sass-style-guide/

32. **Don't** use over-qualified selectors e.g. div.container can be stated as .container

33. Lastly…..

     Do include a shame SCSS file (@import "pathToYourShame") in your theme reserved for desperate hacks. The idea - to avoid polluting the master files and to separate good code from quick fixes (which will eventually be resolved with more robust fixes in the master files)

     http://csswizardry.com/2013/04/shame-css/

References:
These guideline are heavily borrowed from Chris Coyier - CSS tricks
http://css-tricks.com/sass-style-guide/

Borrows some generic CSS guidelines
https://make.wordpress.org/core/handbook/coding-standards/css/

https://github.com/necolas/idiomatic-css