

Using a for Loop for a 12 Column Grid



Paul Cheney

SPARTAN DESIGN UNIVERSITY

spartandesignuniversity.com



Agenda



Partials and Imports

Variables

Nesting

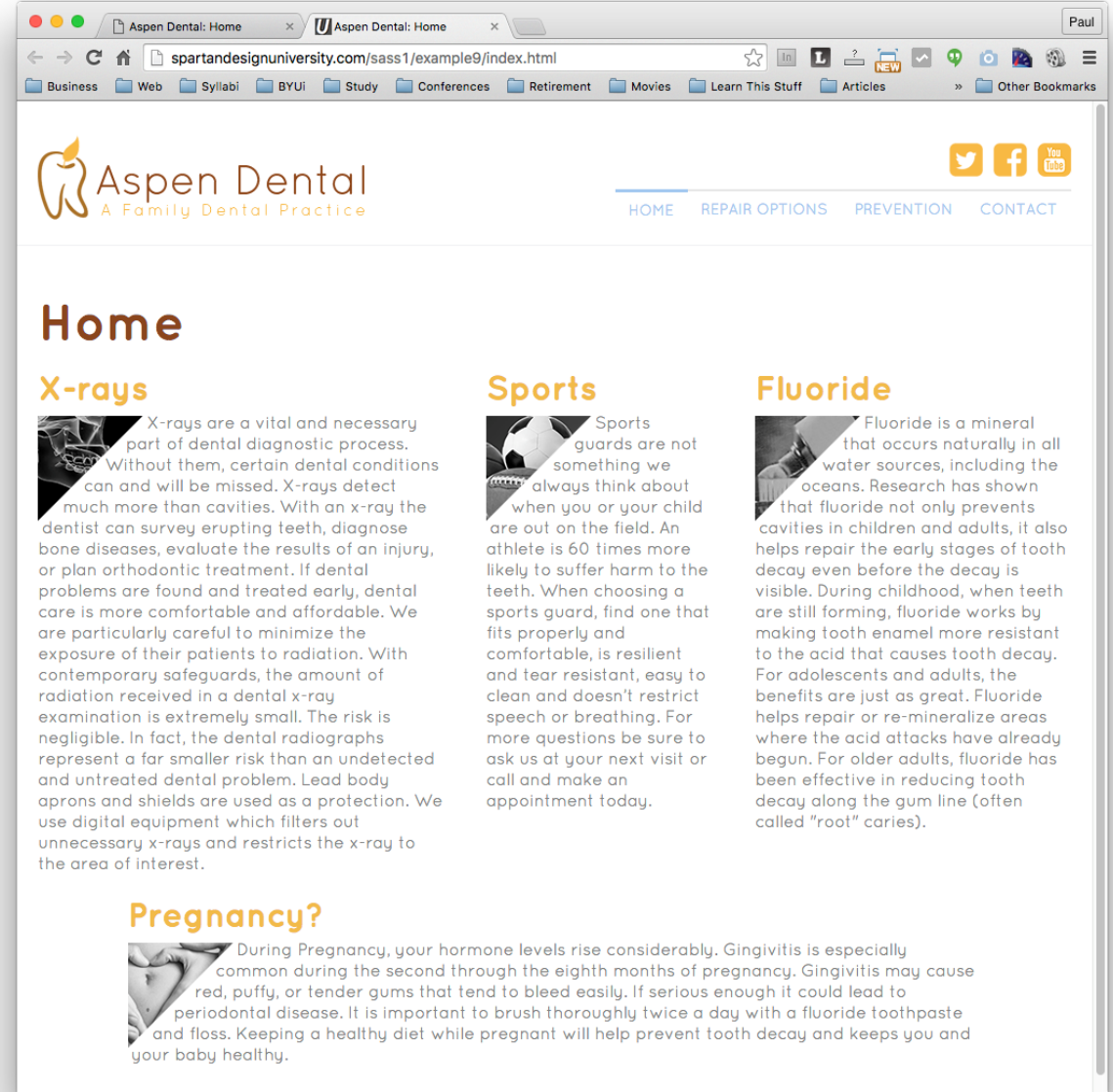
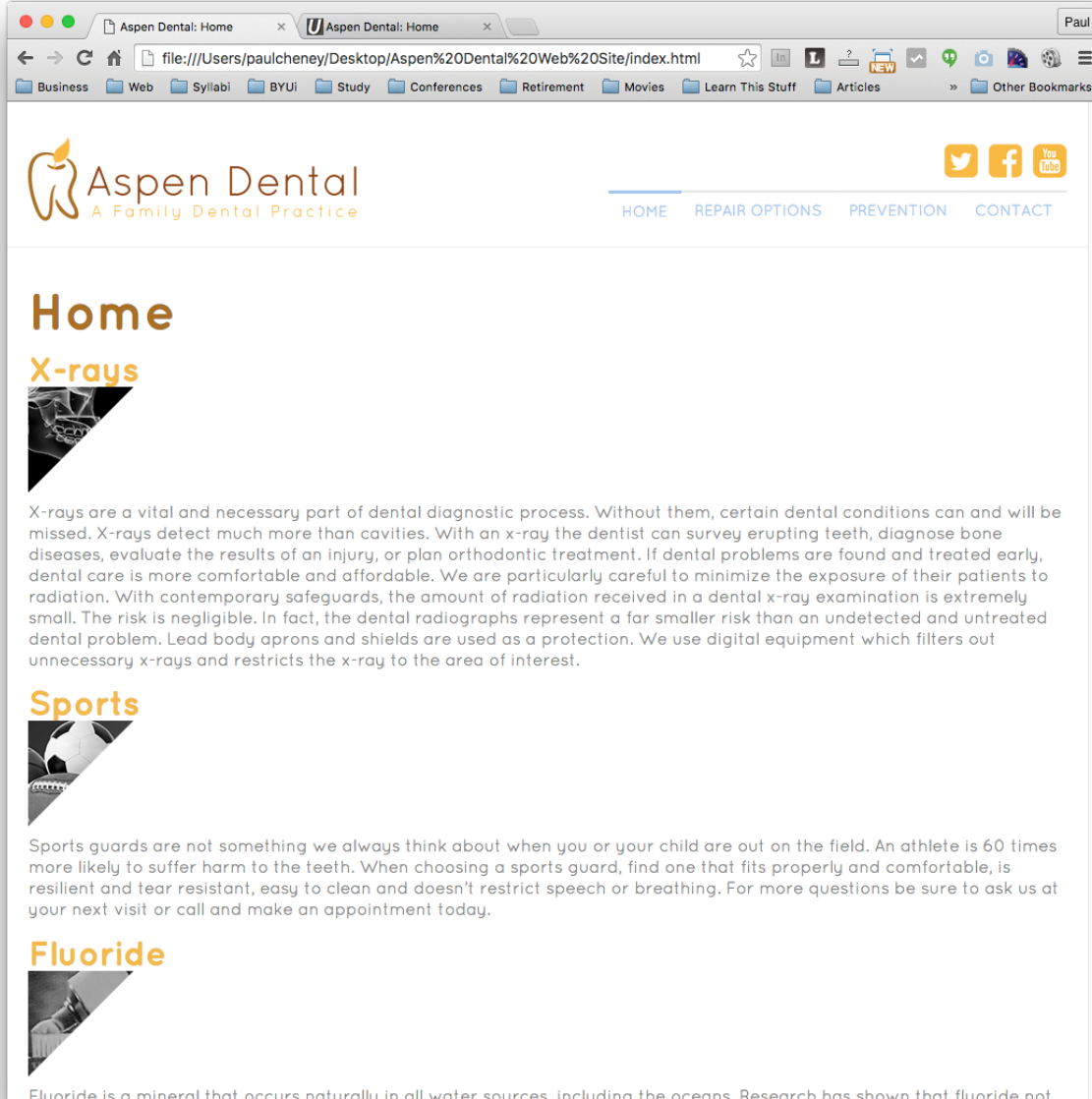
Mixins

Extend or Inheritance

Math Operations

Control Directives





Control Directives

if

for

each

while



Rendering CSS for a 12 column grid

```
.small-1 { width: 8.33333%; float: left; }  
.small-2 { width: 16.66667%; float: left; }  
.small-3 { width: 25%; float: left; }  
.small-4 { width: 33.33333%; float: left; }  
.small-5 { width: 41.66667%; float: left; }  
.small-6 { width: 50%; float: left; }  
.small-7 { width: 58.33333%; float: left; }  
.small-8 { width: 66.66667%; float: left; }  
.small-9 { width: 75%; float: left; }  
.small-10 { width: 83.33333%; float: left; }  
.small-11 { width: 91.66667%; float: left; }  
.small-12 { width: 100%; float: left; }
```

```
.large-1 { width: 8.33333%; float: left; }  
.large-2 { width: 16.66667%; float: left; }  
.large-3 { width: 25%; float: left; }  
.large-4 { width: 33.33333%; float: left; }  
.large-5 { width: 41.66667%; float: left; }  
.large-6 { width: 50%; float: left; }  
.large-7 { width: 58.33333%; float: left; }  
.large-8 { width: 66.66667%; float: left; }  
.large-9 { width: 75%; float: left; }  
.large-10 { width: 83.33333%; float: left; }  
.large-11 { width: 91.66667%; float: left; }  
.large-12 { width: 100%; float: left; }
```



Control Directive Block

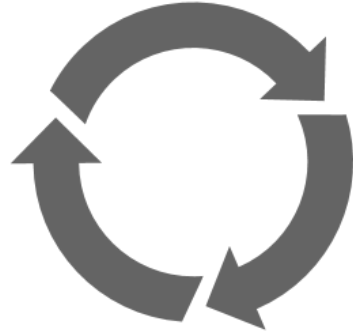
@for from {

}



Incrementing Variable

```
@for $i from 1 through 12 {
```



```
}
```

Calculating Column Width

width: 6 / 12 * 100%

width: 1 / 12 * 100%

width: 2 / 12 * 100%

width: 3 / 12 * 100%

width: 4 / 12 * 100%

width: 5 / 12 * 100%



Calculating Column Width

```
@for $i from 1 through 12 {  
  $w: ($i/12) * 100%;  
}
```

8.333%

16.666%

25%

33%

41.333%



SCSS Glue

.small-1
.small-2
.small-3
.small-4
.small-5
.small-6
.small-7

.small-1



.small-#{ \$i }

Selector and Declaration Block

```
@for $i from 1 through 12 {
```

```
$w:($i/12)*100%;
```

```
.small-#{ $i } {width: $w; float:left;}
```

```
}
```

↑
SELECTOR

↑
DECLARATION BLOCK



Text Wrap

X-rays



X-rays are a vital and necessary part of dental diagnostic process. Without them, certain dental conditions will be missed. X-rays detect much more than cavities. With an x-ray the dentist can erupting teeth, diagnose bone disease, evaluate the results of an injury, or plan orthodontic treatment. If dental problems are found and treated early, dental care is more comfortable and affordable. We are particularly careful to minimize the exposure of their patients to radiation. With contemporary safeguards, the amount of radiation received in a dental x-ray examination is extremely small. The risk is negligible. In fact, the dental radiographs represent a far smaller risk than an undetected and untreated dental problem. Lead body aprons and shields are used as a protection. We use digital equipment which filters out unnecessary x-rays and restricts the x-ray to the area of interest.

Sports



Sports guards are not something we think about when we think about your child are out there. An athlete is 60% more likely to suffer harm to the teeth. When choosing a sports guard, find one that fits properly and comfortable, is resilient and tear resistant, easy to clean and doesn't restrict speech or breathing. For more questions be sure to ask us at your next visit or call and make an appointment today.

Fluoride



Fluoride is a mineral that occurs naturally in all water sources, including the toothpaste. Research has shown that fluoride not only prevents cavities in children and adults, it also helps repair early stages of tooth decay even before the decay is visible. During childhood, when teeth are still forming, fluoride works by making tooth enamel more resistant to the acid that causes tooth decay. For adolescents and adults, the benefits are just as great. Fluoride helps repair or re-mineralize areas where the acid attacks have already begun. For older adults, fluoride has been effective in reducing tooth decay along the gum line (often called "root" caries).



Wrap Up



Partials and Imports

Variables

Nesting

Mixins

Extend or Inheritance

Math Operations

Control Directives

