Responsive Web Design

One Content - Many Views
The Good Old Days
Welcome To Mobile!
Hello iPad
Ahhh Slow Down!
Responsive Design

- Think about mobile first
- Stop thinking in pixels
- Progressive Enhancement
- Build up features as the screen gets bigger
Show Me The Goods

- http://www.css-tricks.com/
- http://bostonglobe.com/
- http://www.smashingmagazine.com/
- http://ethanmarcotte.com/
How Do We Do It?

Header

Navigation

Content
Design
Header / Banner

Some Sample Content
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc euismod, sem in dapibus rhoncus, ipsum magna aliquet
Maths

Pixel Based:

```javascript
{
    margin: 10px;
    padding: 10px;
}
```
Responsive:

Size ÷ Context = Relative

10 ÷ 320 = 0.03125

{ }

margin: 3.125%;
padding: 3.125%;
}
Jump In
Media Queries

@media screen and (min-width: 45em)

A little bit of Math is good for you

Size ÷ Context = Responsive
You Still Have to Design

- But you don’t have to develop as much
- Single Markup / Many Views
- Most design changes will cascade
- Usually only need a few breakpoint specific styles
What About IE?

- Of course, Media Queries don’t work in IE < 9
- But we can stand on other’s shoulders
- respond.js https://github.com/scottjehl/Respond
- css3-mediaqueries-js
To Read

- http://www.alistapart.com/articles/responsive-web-design/
- http://www.alistapart.com/articles/dao/
- http://www.abookapart.com/products/responsive-web-design
- http://goldengridsystem.com/