



# HTML/CSS in a Day (part 1)

**My name is Brendan Quinn**

**4 years at Pasco School District**

**20 years as a front-end dev**

**(I build lots of websites)**

**10 years as an entrepreneur**

**avid boardgamer**

**What we're not going to do today:**

**Learn about the history of HTML**

**Learn how the internet works**

**Learn all the tags**

**Talk about PS-HTML**


**What we will do today:**

**Talk about how to solve problems**

**Learn about tools and resources**

**Learn how to prototype**

# Every web page is a series of boxes



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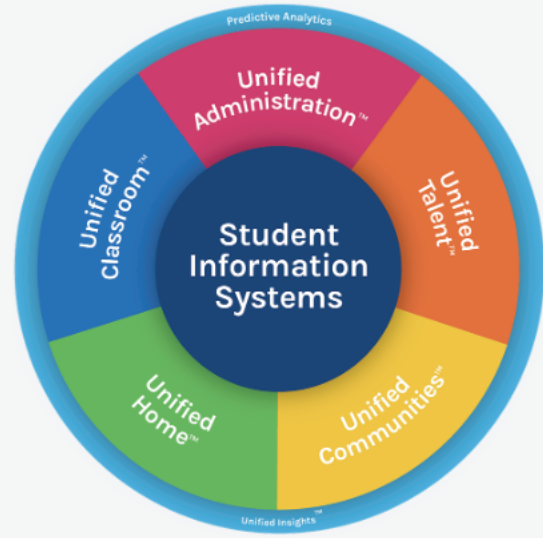
Contact Sales

## Every student deserves the best opportunities in life.

That's why our mission is to power the education ecosystem with unified technology that helps educators and students realize their potential, in their way.


Educators are motivated by the chance to make a difference in the lives of students. But too often, fragmented technologies add chaos and push people apart. Processes become fragmented, ideas get lost and efforts are duplicated. PowerSchool is here to change that.

Our unified technology breaks down barriers, putting everyone on the same team.




CLICK TO ZOOM


### PowerSchool helps educators achieve more for students by:




**EMPOWERING TEACHERS**  
to expand classroom capabilities.




**GIVING EDUCATORS**  
a comprehensive view of performance at every level.



**ENABLING ADMINISTRATORS**  
to do more with existing budget resources.





**NURTURING AN ENVIRONMENT**  
to engage and attract teachers.



**BUILDING BRIDGES**  
between parents, students and educators.

# Every web page is a series of boxes

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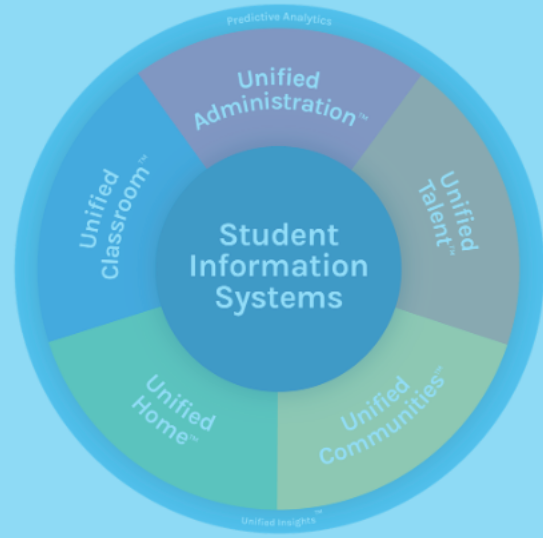
[Solutions](#) [K-12 Impact](#) [Community](#) [Resources](#) [Company](#) [Contact Sales](#)

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# Every web page is a series of boxes



```
<div>
  <h1>PowerSchool helps educators...</h1>
  <div>
    
    <p>lorem ipsum sit dolor</p>
  </div>
  <div>
    
    <p>lorem ipsum sit dolor</p>
  </div>
  <div>
    ...
  </div>
</div>
```

# Every web page is a series of boxes



```
<div>  
  <h1>PowerSchool helps educators...</h1>  
  <div>  
      
    <p>lorem ipsum sit dolor</p>  
  </div>  
  <div>  
      
    <p>lorem ipsum sit dolor</p>  
  </div>  
  <div>  
    ...  
  </div>  
</div>
```



# How to Build a Box

# How to Build a Box

`<div>`

// opening tag

`</div>`

// closing tag

# How to Build a Box

`<div>`

// opening tag

content

`</div>`

// closing tag



# How to Build a Better Box

`<div>`

# How to Build a Better Box

`<div>`

`<span>`

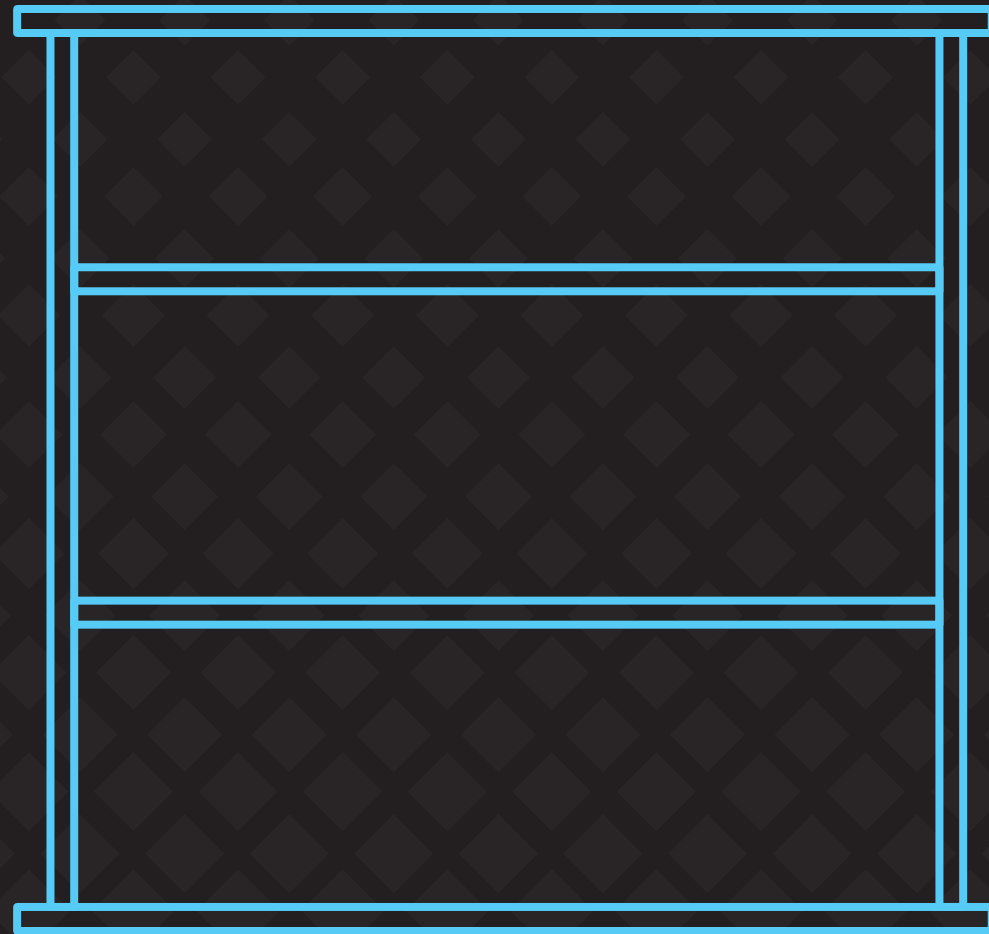
# How to Build a Better Box

`<div>` // block element

`<span>` // inline element

# How to Build a Better Box

`<div>`

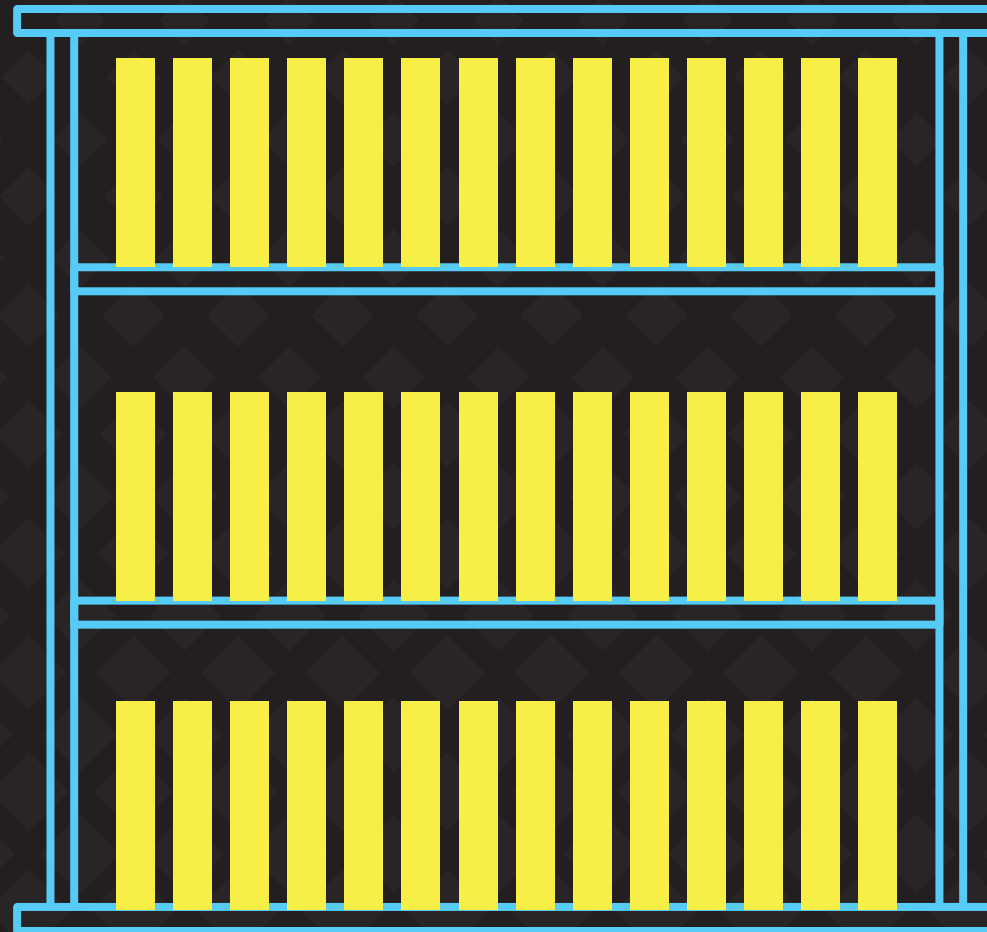




# How to Build a Better Box

`<div>`

`<span>`

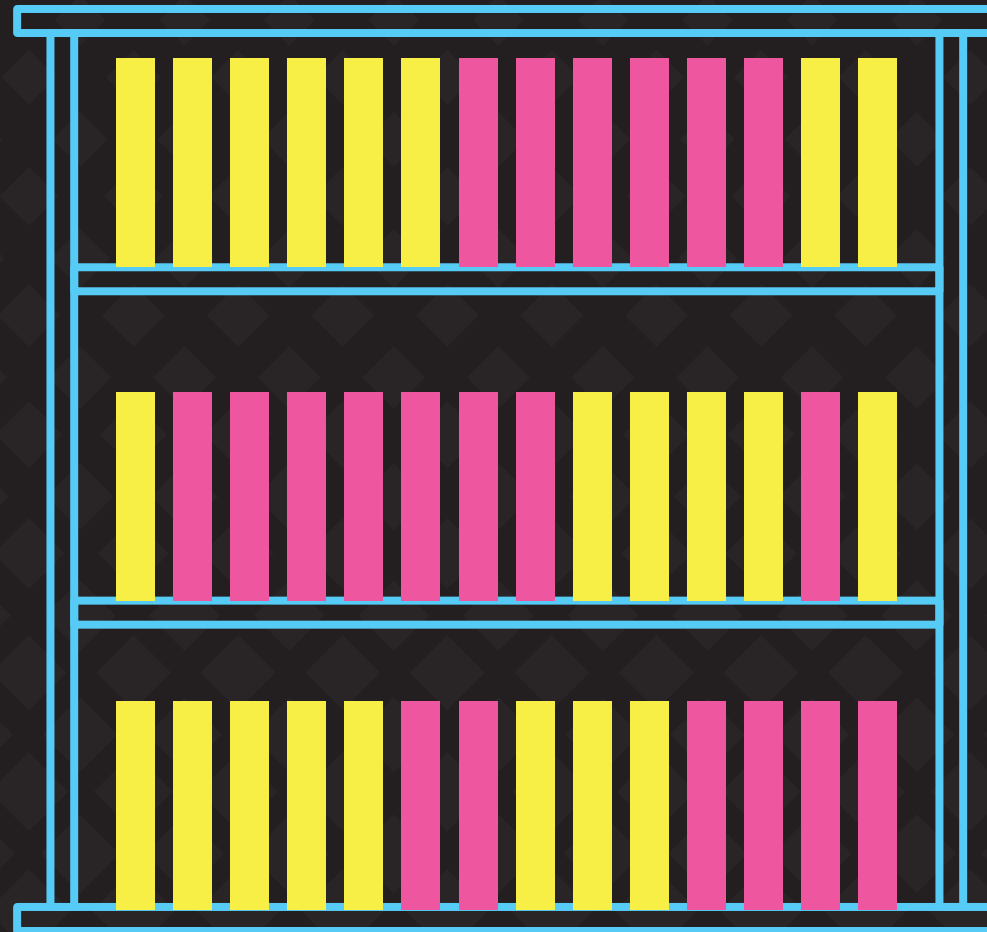


# How to Build a Better Box

<div>

<span>

<span>



# Two essential inline tags

## The anchor tag <a>

```
<a href="http://www.google.com">Go to Google</a>
```

## The image tag <img>

```

```



**Live Code Demo!!**  
(codepen.io)



# Tools

**Text Editor: Atom**

**<https://atom.io>**

**Essential Atom Packages**

**Emmet**

**Open Recent**

**Pigments**

# Tools

**Browser: Chrome**

**<https://www.google.com/chrome/>**

**Essential Chrome Extensions**

**Color Picker**

**Web Developer**

# CSS

(cascading style sheets)

## How to Make Stuff Look Good



**This is the wrong way to do things**  
(but it works for a first demo)

# This is the wrong way to do things

(but it works for a first demo)

```
<div>
```

```
  Lorem ipsum dolor sit amet, consectetur adipisicing  
  elit. Id velit a consequatur recusandae temporibus  
  nesciunt fugiat.
```

```
</div>
```

```
<div>
```

```
  Lorem ipsum dolor sit amet, consectetur adipisicing  
  elit. Id velit a consequatur recusandae temporibus  
  nesciunt fugiat.
```

```
</div>
```

```
<div>
```

```
  Lorem ipsum dolor sit amet, consectetur adipisicing  
  elit. Id velit a consequatur recusandae temporibus  
  nesciunt fugiat.
```

```
</div>
```

# This is the wrong way to do things

(but it works for a first demo)

```
<div>
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div>
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
```

# This is the wrong way to do things

(but it works for a first demo)

```
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipisicing
  elit. Id velit a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
```

is the wrong way to do this  
(but it works for a first demo)

```
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipiscing
  elit. Id velut a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipiscing
  elit. Id velut a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
<div style="color: red;">
  Lorem ipsum dolor sit amet, consectetur adipiscing
  elit. Id velut a consequatur recusandae temporibus
  nesciunt fugiat.
</div>
```

# A better way to do things

## CSS

```
<style>
```

```
</style>
```

## HTML

```
<div>
```

```
    Lorem ipsum...
```

```
</div>
```

```
<div>
```

```
    Lorem ipsum...
```

```
</div>
```

```
<div>
```

```
    Lorem ipsum...
```

```
</div>
```

# A better way to do things

## CSS

```
<style>

  div {
    color: red;
  }

</style>
```

## HTML

```
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
```

# Hmm...

## CSS

```
<style>

  div {
    color: red;
  }

</style>
```

## HTML

```
<div>
  Lorem ipsum...
</div>
<div style="color: white">
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
```



# Enter CSS Classes

## CSS

```
<style>
```

```
</style>
```

## HTML

```
<div>
```

```
    Lorem ipsum...
```

```
</div>
```

```
<div>
```

```
    Lorem ipsum...
```

```
</div>
```

```
<div>
```

```
    Lorem ipsum...
```

```
</div>
```

# Enter CSS Classes

## CSS

```
<style>
```

```
</style>
```

## HTML

```
<div class="add-color">  
  Lorem ipsum...  
</div>  
<div class="add-color">  
  Lorem ipsum...  
</div>  
<div class="add-color">  
  Lorem ipsum...  
</div>
```

# Enter CSS Classes

## CSS

```
<style>

.add-color {
  color: red;
}

</style>
```

## HTML

```
<div class="add-color">
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
```

# Enter CSS Classes

## CSS

```
<style>

.add-color {
  color: red;
}

</style>
```

## HTML

```
<div class="add-color">
  Lorem ipsum...
</div>
<div>
  Lorem ipsum...
</div>
<div class="add-color">
  Lorem ipsum...
</div>
```

# Important syntax note

HTML

```
<div class="add-color">
```



CSS

```
.add-color {  
  ...  
}
```



# What Cascading Means

(codepen.io)



# Thank You!

Slide deck, links to tools and other resources at:  
[github.com/bquinn-psd/html-in-a-day-1](https://github.com/bquinn-psd/html-in-a-day-1)

**Brendan Quinn**  
[bquinn@psd1.org](mailto:bquinn@psd1.org)