



HTML/CSS in a Day

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



Support Sign in Q

Contact Sales

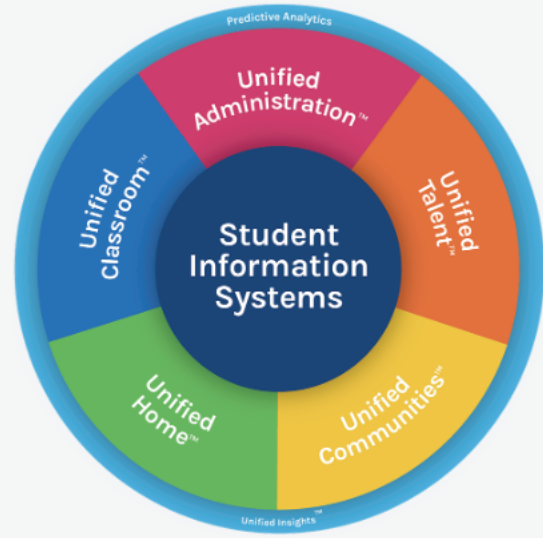
SolutionsK-12 ImpactCommunityResourcesCompany

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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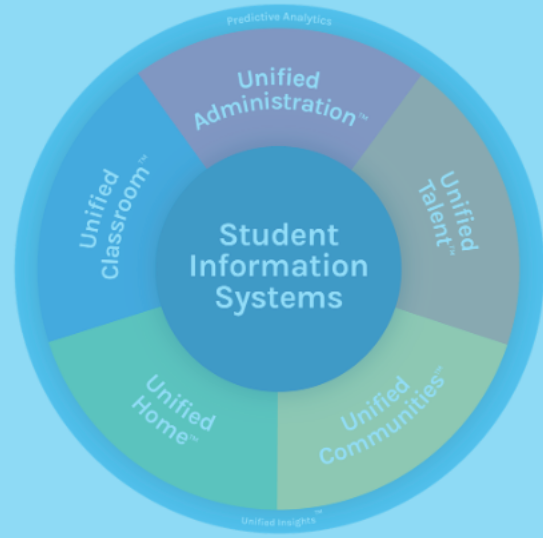







Diagram illustrating the Student Information Systems ecosystem, centered around **Student Information Systems**. The ecosystem is composed of several interconnected components:

- Unified Administration™
- Unified Classroom™
- Unified Home™
- Unified Communities™
- Unified Talent™
- Unified Insights™
- Predictive Analytics™

[CLICK TO ZOOM](#)

PowerSchool helps educators achieve more for students by:

| | | | | |
|---|--|--|--|---|
|  <p>EMPOWERING TEACHERS to expand classroom capabilities.</p> |  <p>GIVING EDUCATORS a comprehensive view of performance at every level.</p> |  <p>ENABLING ADMINISTRATORS to do more with existing budget resources.</p> |  <p>NURTURING AN ENVIRONMENT to engage and attract teachers.</p> |  <p>BUILDING BRIDGES between parents, students and educators.</p> |
|---|--|--|--|---|

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>`

``

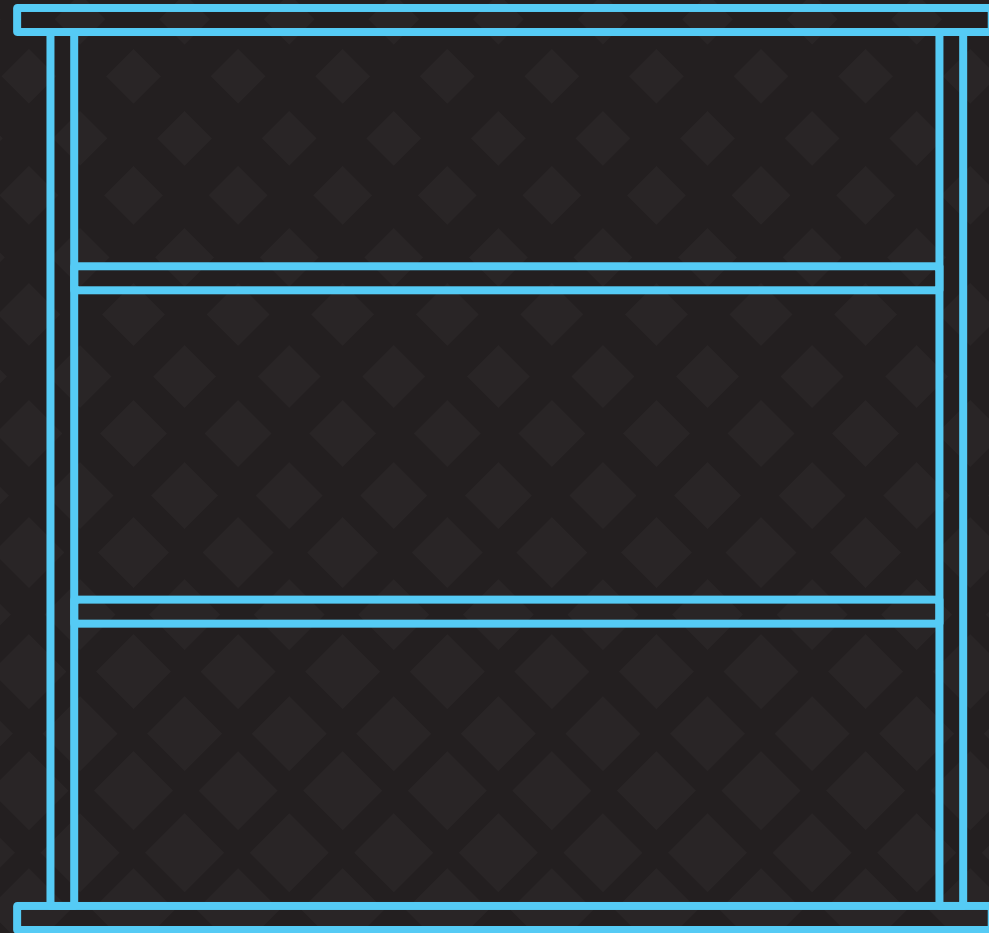
How to Build a Better Box

`<div>` // block element

`` // inline element

How to Build a Better Box

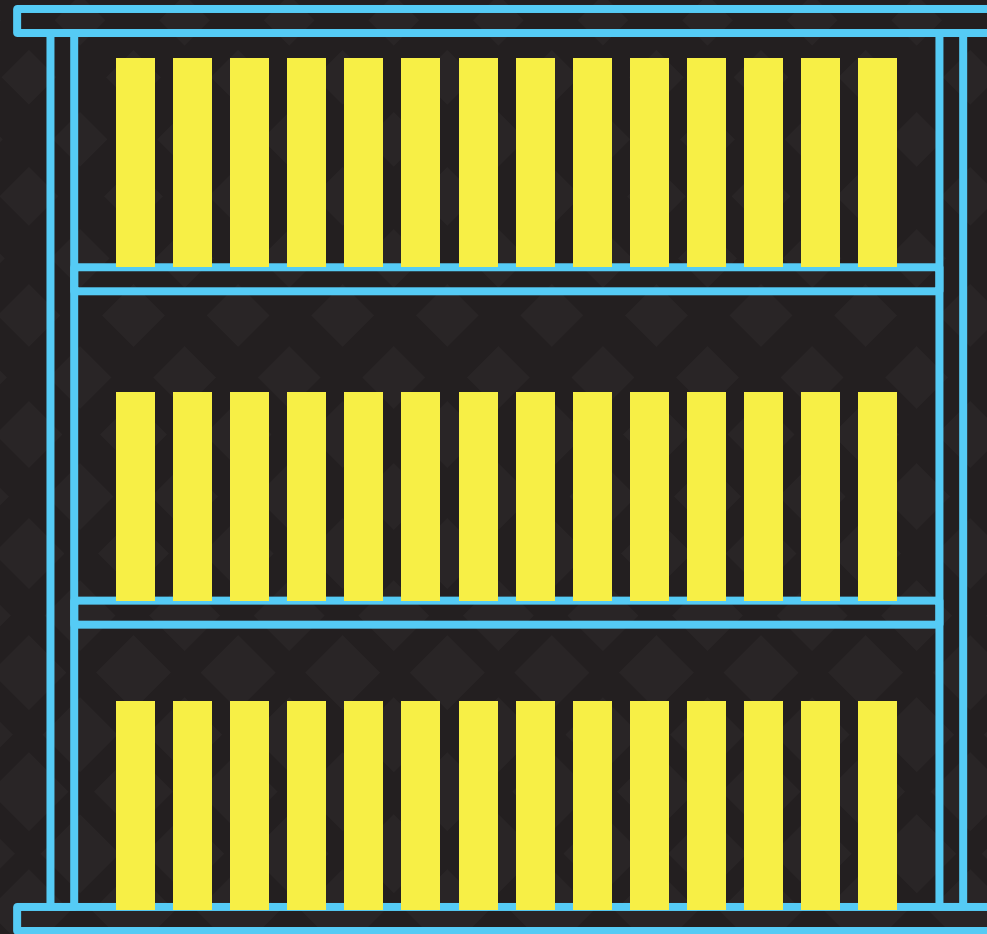
`<div>`



How to Build a Better Box

`<div>`

``

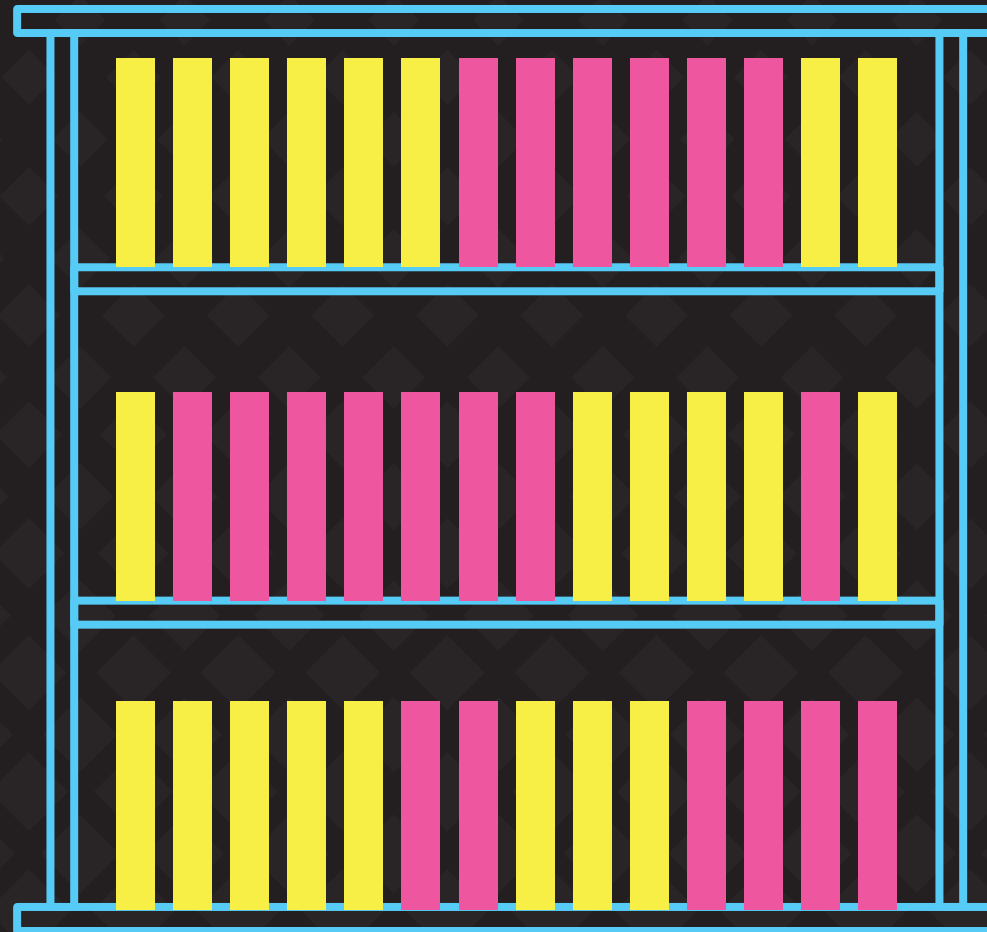


How to Build a Better Box

`<div>`

``

``



Two essential inline tags

The anchor tag <a>

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

The image tag

```

```



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

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