



InHouse Learning

The Future of Mathematical Writing

(The thrilling conclusion)

Harrison Burr, Everett Grethel, Anthony Zor, Tevin Cheatham



Step One: Let's Recap

Overview Recap...

InHouse Learning is a startup focused on making teaching resources for mathematics more accessible for teachers, with an emphasis on mathematical writing.

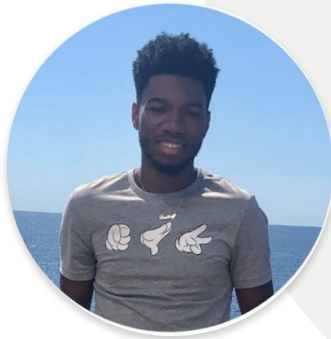
Recap of the Team...

Let's re-familiarize ourselves with the team assigned to the InHouse Learning Project



Anthony Zor

Video Editing



Tevin Cheatham

Frontend



Everett Grethel

Backend



Harrison Burr

Team Lead / Backend

A Reminder of the Client Needs

- To develop a full-stack web application for housing admin-written (and potentially user-written) learning content
- To design a landing page and user interface that resonates with K-12 teachers
- To edit teaching recordings into appealing, digestible learning videos for K-12 teachers



Step Two: The Approach

Timetable - Done

Phase 1

- Backend site infrastructure (database, content management, API)
- Landing page concept art and initial HTML/CSS
- Organizing video content

Phase 2

- Build frontend (routing, API endpoint usage, authentication)
- Landing page design adjustments, majority of HTML/CSS, animations
- Editing videos

Timetable

Phase 3

- Editor integration + article editing, routing generation, authentication specific to routes - **WIP**
- Landing page design adjustments, majority of HTML/CSS, animations - **DONE**
- Finalize videos w/ client feedback - **WIP**

CMS Progress & Updates



NGINX



We've begun looking at deployment options. An NGINX proxy for a VPS to host the Strapi backend and Express on separate server blocks. (Having the ability to serve multiple services is the point of NGINX, using it to access Strapi makes all of the API calls possible in production.)



Step Three: Implementation

Technology Stack

CMS: Strapi

Database: MongoDB

Frontend: HTML, CSS, SCSS, JavaScript, jQuery

*** NEW *** : Editor.js, Strapi CMS

Backend: Node.js

Method: Routing & URL parameters rendering a static HTML page, filling placeholders with dynamically retrieved content and in turn mimicking a multi-page application



• Web-App Components Milestones

Screens: Login, Register, Dashboard, Profile, Content

Finished: Login, Register, Content

To Do: Profile



• CMS Milestones

Objectives: User registration, authentication, API exposing for article publishing, fetching, and updating

Finished: Exposing fetching API, user authentication, user registration, EditorJS embeds (videos and images), Editor CSS wrapper

To Finish: Strapi image upload & relative links, category upload



**We're Almost Done, One
Week Needed Until Delivery**



Landing page concept/client needs

- Simple/minimalist
- Welcoming/non-intimidating
- Avoid dark colors
- Appealing to elementary school teachers

An Online Beacon of Success

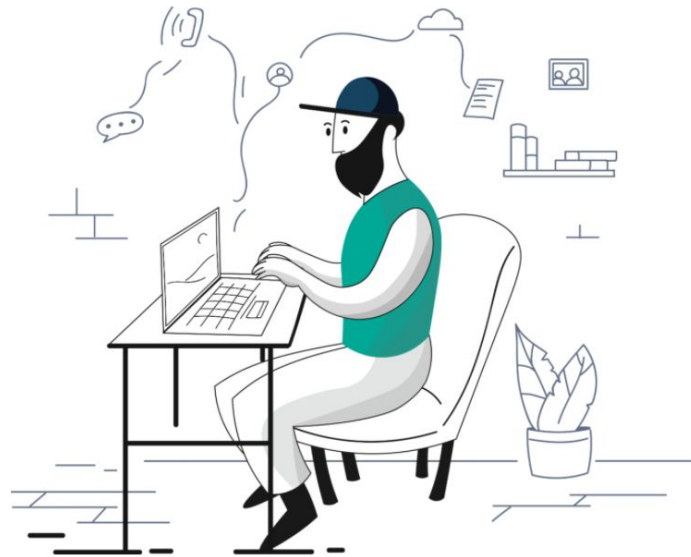
Developing a deep understanding
for mathematic writing

[Get Started](#)



A Professional Development Application for the Future

Helping elementary teachers couple mathematical reasoning and communication with their existing mathematics curricular resources.





Working Together to Build a Mathematic Evolution

Helping elementary teachers couple mathematical reasoning and communication with their existing mathematics curricular resources.



DYNAMIC APPLICATION

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam.



PROACTIVE LEARNING

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam.



ENGAGING TEAM-WORK

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam.

Lorem ipsum dolor sit amet, consectetur adipiscing

Lorem ipsum dolor sit amet, consectetur adipiscing

Dynamic Dashboard



Lorem ipsum dolor sit amet, consectetur adipiscing

Lorem ipsum dolor sit amet, consectetur adipiscing

- ✔ Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- ✔ Lorem ipsum dolor sit amet, consectetur adipiscing elit.
- ✔ Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Dynamic Dashboard





Grade 2 - Lesson Day 1

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

[View Lesson Overview](#)



Grade 3 - Lesson Day 1

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

[View Lesson Overview](#)



*Lorem ipsum dolor sit amet,
consectetur adipisicing elit, sed do
eiusmod.*



Jane Doe
Grade 6 Teacher



*Lorem ipsum dolor sit amet,
consectetur adipisicing elit, sed do
eiusmod.*



John Doe
Grade 4 Teacher



*Lorem ipsum dolor sit amet,
consectetur adipisicing elit, sed do
eiusmod.*



Jane Doe
Grade 3 Teacher



Come be a part of the team!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

[Join now](#)

Come be a part of the team!

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Join now

Contact us



InHouseSupport@gmail.com

123 456 789



Connect with us



InHouse Learning

Come on in.

InHouseLearning

WELCOME ABOARD

LOGIN

Username...

Password...

LOGIN

[Need an account?](#)

InHouseLearning

WELCOME ABOARD

REGISTER

School E-mail...

Username...

Password...

Confirm Password...

REGISTER

[Have an account?](#)



Home



Grades



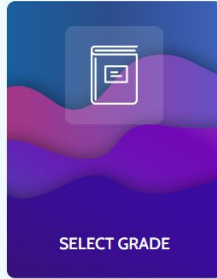
Profile



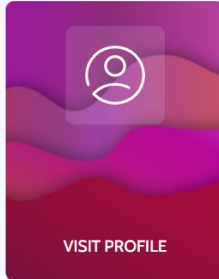
Create Lesson

Dashboard

Let's meet education in the middle.



SELECT GRADE



VISIT PROFILE



CREATE LESSON



Home



Grades



Profile



Create Lesson

Grades

Find Lesson Plans easier by selecting a grade.



COLLECTION TYPES

- G1-additions
- G1-subtractions
- G2-divisions
- G2-multiplications
- Grade 1s

PLUGINS

- Content-Types Builder
- Documentation
- Media Library

GENERAL

- Marketplace
- Plugins
- Settings

COLLECTION TYPES 10

- Grade 1
 - Grade 2
 - Lesson Plan
 - G1-Additions
 - G1-Subtractions
 - + Create new
- SINGLE TYPE
- + Create new
- COMPONENT
- + Create new

G1-addition

There is no description

Cancel Save

CT G1-addition
✕

Select a field for your collection type

Ab

Text

Small or long text like title or description

≡

Rich Text

A rich text editor with formatting options

123

Number

Numbers (integer, float, decimal)

📅

Date

A date picker with hours, minutes and seconds

🔴

Boolean

Yes or no, 1 or 0, true or false

🔗

Relation

Refers to a Collection Type

✉

Email

Email field with validations format

🔒

Password

Password field with encryption

☰

Enumeration

List of values, then pick one

📁

Media

Files like images, videos, etc

{...}

JSON

Data in JSON format

🔍

UID

Unique identifier

🔗

Component

Group of fields that you can repeat or reuse

∞

Dynamic Zone

Dynamically pick component when editing ...

Configure the view + Add another field



COLLECTION TYPES

- G1-additions
- G1-subtractions
- G2-divisions
- G2-multiplications
- Grade 1s

PLUGINS

- Content-Types Builder
- Documentation
- Media Library

GENERAL

- Marketplace
- Plugins
- Settings

GLOBAL SETTINGS

- Media Library
- Webhooks

ADMINISTRATION PANEL

- Roles
- Users

USERS & PERMISSIONS PLUGIN

- Roles
- Providers
- Email Templates
- Advanced Settings

Public

Default role given to unauthenticated user.

Reset

Save

Role details

Name

Public

Description

Default role given to unauthenticated user.

Permissions

Only actions bound by a route are listed below.

APPLICATION

Define all allowed actions for the application plugin.

G1-ADDITION

Select all

count

create

delete

find

findone

update

G1-SUBTRACTION

Select all

Select the application's actions or the plugin's actions and click on the cog icon to display the bound route

COLLECTION TYPES

- G1-additions
- G1-subtractions
- G2-divisions
- G2-multiplications
- Grade 1s

PLUGINS

- ✔ Content-Types Builder
- 📄 Documentation
- 📁 Media Library

GENERAL

- 🏠 Marketplace
- ☰ Plugins
- ⚙️ Settings

COLLECTION TYPES 10

- **Grade 1**
- Grade 2
- Lesson Plan
- G1-Addition
- G1-Subtraction

+ Create new collection type

SINGLE TYPE 0

+ Create new single type

COMPONENT 0

+ Create new component

Grade 1

There is no description







Cancel

Save

2 fields

Configure the view

+ Add another field

 addition	Relation with <i>G1-addition</i>	 
 subtraction	Relation with <i>G1-subtraction</i>	 

+ ADD ANOTHER FIELD TO THIS COLLECTION TYPE

Editor

InHouse Learning
Welcome, testuser
Sign Out

🏠
Home

📁
Grades

👤
Profile

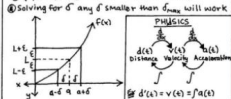
📖
Create Lesson

Editor

Immortalize Education

Elementary School Calculus II - Honors Cohort

This section places unrealistic expectations on second graders. We will begin by recapping antiderivatives and third derivatives, followed by the fundamental theorem of calculus. Find example worksheets below:

ABSOLUTE VALUES $ x = \begin{cases} x & \text{if } x \geq 0 \\ -x & \text{if } x < 0 \end{cases}$ $ x+4 = \begin{cases} x+4 & \text{if } x+4 \geq 0 \\ -(x+4) & \text{if } x+4 < 0 \end{cases}$	FACTORING SPECIAL POLYNOMIALS $A^2 - B^2 = (A+B)(A-B)$ $A^3 - B^3 = (A-B)(A^2 + AB + B^2)$ $A^3 + B^3 = (A+B)(A^2 - AB + B^2)$	$\lim_{x \rightarrow 0} \frac{\sin x}{x} = 1$ $\lim_{x \rightarrow 0} \frac{x}{\sin x} = 1$ $\lim_{x \rightarrow 0} f(x) = L$ if and only if $\lim_{x \rightarrow 0} f(x) = L = \lim_{x \rightarrow 0} \frac{f(x)}{1} = \lim_{x \rightarrow 0} 1 + f(x)$
Limits = 0 $\lim_{x \rightarrow a^+} f(x) = 0$ when $\lim_{x \rightarrow a^+} \frac{1}{f(x)} = \infty$ and $f(x) > 0$ when $x > a$ $\lim_{x \rightarrow a^+} f(x) = -\infty$ when $\lim_{x \rightarrow a^+} \frac{1}{f(x)} = 0$ and $f(x) < 0$ when $x > a$	Limits at 0 $\lim_{x \rightarrow 0} f(x) = \lim_{x \rightarrow 0^+} f(x)$ DIVIDE EACH TERM BY THE HIGHEST POWER OF x	LIMIT LAWS USE IN PROOFS ① $\lim_{x \rightarrow a} [f(x) + g(x)] = \lim_{x \rightarrow a} f(x) + \lim_{x \rightarrow a} g(x)$ ② $\lim_{x \rightarrow a} [f(x) - g(x)] = \lim_{x \rightarrow a} f(x) - \lim_{x \rightarrow a} g(x)$ ③ $\lim_{x \rightarrow a} [cf(x)] = c \lim_{x \rightarrow a} f(x)$ ④ $\lim_{x \rightarrow a} [f(x)g(x)] = \lim_{x \rightarrow a} f(x) \cdot \lim_{x \rightarrow a} g(x)$ ⑤ $\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \frac{\lim_{x \rightarrow a} f(x)}{\lim_{x \rightarrow a} g(x)}$ if $\lim_{x \rightarrow a} g(x) \neq 0$
DERIVATIVE BY DEFINITION $\lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h} = f'(x) = \frac{\Delta f(x)}{\Delta x} = \frac{df(x)}{dx}$ $\lim_{x \rightarrow a} \frac{f(x) - f(a)}{x - a}$ Use the first one most	PHYSICS 	ε - δ Notation $\lim_{x \rightarrow a} f(x) = L$ For any $\epsilon > 0$ we can find $\delta > 0$ such that whenever $0 < x - a < \delta$ then $ f(x) - L < \epsilon$ Solving for δ any δ smaller than δ_{max} will work
DERIVATION RULES POWER RULE $\frac{d}{dx} x^n = n(x^{n-1})$ PRODUCT RULE $\frac{d}{dx} f(x)g(x) = f'(x)g(x) + f(x)g'(x)$ QUOTIENT RULE $\frac{d}{dx} \frac{f(x)}{g(x)} = \frac{f'(x)g(x) - f(x)g'(x)}{[g(x)]^2}$ INTERMEDIATE VALUE THEOREM Suppose f is continuous	CHAIN RULE $\frac{d}{dx} f(g(x)) = f'(g(x)) \cdot \frac{dg(x)}{dx}$ TRIGONOMETRIC $\frac{d}{dx} \sin x = \cos x$ EXPONENTIAL $\frac{d}{dx} e^x = e^x$ LOGARITHMIC $\frac{d}{dx} \ln x = \frac{1}{x}$	SLICE-SLICE METHOD Slope of a line through two points (x_1, y_1) and (x_2, y_2) $m = \frac{y_2 - y_1}{x_2 - x_1}$ Slope-Slope Form $y - y_1 = m(x - x_1)$

Editor

InHouse Learning

Welcome, testuser

Sign Out

Home

Grades

Profile

Create Lesson

Derivative Cheat Sheet

Recap Concluded, New Material:

Quantum Mechanics are fun for the following reasons:

1. They're not
2. Space
3. Time
4. Help

Final Section - Good Luck

These elementary school children are now tasked with writing a BST minmax flipping algorithm that runs in $O(1)$ speed. Good luck. Any children found using bubble sort will be quicksorted out of the group.

Editor

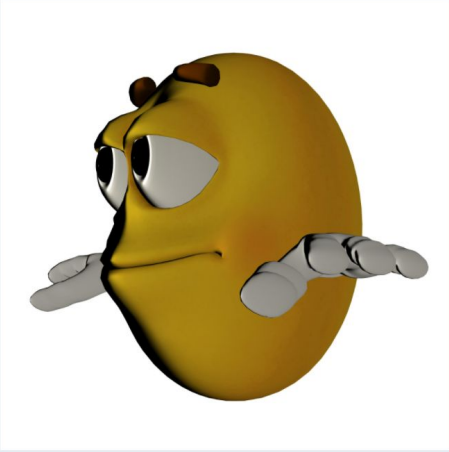
InHouse Learning Welcome, testuser Sign Out

- Home
- Grades
- Profile
- Create Lesson

3. Time
4. Help

Final Section - Good Luck

These elementary school children are now tasked with writing a BST minmax flipping algorithm that runs in $O(1)$ speed. Good luck. Any children found using bubble sort will be quicksorted out of the group.



The US Education System

pre-calc

introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus vulputate vitae lectus id lacinia. Sed ut sem id nisi faucibus blandit. Donec lacus metus, scelerisque euismod ultricies vel, vulputate ac justo. Curabitur sed justo convallis, placerat mi id, porttitor lectus. Vestibulum at mi pulvinar, pellentesque nunc a, elementum risus. Vivamus hendrerit, ante vel venenatis viverra, turpis diam sollicitudin dui, vel aliquet tellus leo eget orci. Vivamus ex libero, feugiat eget erat sit amet, commodo sollicitudin sapien. Phasellus blandit porttitor nisi ornare ullamcorper. Pellentesque eget mi ornare, euismod tellus sit amet, consectetur eros. Pellentesque volutpat accumsan lacinia. Duis libero erat, semper mollis sem id, scelerisque pellentesque sapien. Nulla facilisi.

Before We Start

Remember to have your pencils, sharpeners, erasers, and calculators!

Lesson 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus vulputate vitae lectus id lacinia. Sed ut sem id nisi faucibus blandit. Donec lacus metus, scelerisque euismod ultricies vel, vulputate ac justo. Curabitur sed justo convallis, placerat mi id, porttitor lectus. Vestibulum at mi pulvinar, pellentesque nunc a, elementum risus. Vivamus hendrerit, ante vel venenatis viverra, turpis diam sollicitudin dui, vel aliquet tellus leo eget orci. Vivamus ex libero, feugiat eget erat sit amet, commodo sollicitudin sapien. Phasellus blandit porttitor nisi ornare ullamcorper. Pellentesque eget mi ornare, euismod tellus sit amet, consectetur eros. Pellentesque volutpat accumsan lacinia. Duis libero erat, semper mollis sem id, scelerisque pellentesque sapien. Nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus vulputate vitae lectus id lacinia. Sed ut sem id nisi faucibus blandit. Donec lacus metus, scelerisque euismod ultricies vel, vulputate ac justo. Curabitur sed justo convallis, placerat mi id, porttitor lectus. Vestibulum at mi pulvinar, pellentesque nunc a, elementum risus. Vivamus hendrerit, ante vel venenatis viverra, turpis diam sollicitudin dui, vel aliquet tellus leo eget orci. Vivamus ex libero, feugiat eget erat sit amet, commodo sollicitudin sapien. Phasellus blandit porttitor nisi ornare ullamcorper. Pellentesque eget mi ornare, euismod tellus sit amet, consectetur eros. Pellentesque volutpat accumsan lacinia. Duis libero erat, semper mollis sem id, scelerisque pellentesque sapien. Nulla facilisi.

Lesson 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus vulputate vitae lectus id lacinia. Sed ut sem id nisi faucibus blandit. Donec lacus metus, scelerisque euismod ultricies vel, vulputate ac justo. Curabitur sed justo convallis, placerat mi id, porttitor lectus. Vestibulum at mi pulvinar, pellentesque nunc a, elementum risus. Vivamus hendrerit, ante vel venenatis viverra, turpis diam sollicitudin dui, vel aliquet tellus leo eget orci. Vivamus ex libero, feugiat eget erat sit amet, commodo sollicitudin sapien. Phasellus blandit porttitor nisi ornare ullamcorper. Pellentesque eget mi ornare, euismod tellus sit amet, consectetur eros. Pellentesque volutpat accumsan lacinia. Duis libero erat, semper mollis sem id, scelerisque pellentesque sapien. Nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus vulputate vitae lectus id lacinia. Sed ut sem id nisi faucibus blandit. Donec lacus metus, scelerisque euismod ultricies vel, vulputate ac justo. Curabitur sed justo convallis, placerat mi id, porttitor lectus. Vestibulum at mi pulvinar, pellentesque nunc a, elementum risus. Vivamus hendrerit, ante vel venenatis viverra, turpis diam sollicitudin dui, vel aliquet tellus leo eget orci. Vivamus ex libero, feugiat eget erat sit amet, commodo sollicitudin sapien. Phasellus blandit porttitor nisi ornare

New Lesson Plan Viewer

InHouse Learning
Welcome, testuser
Sign Out

Home

Grades

Profile

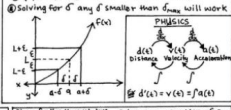
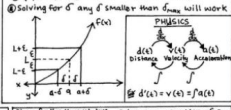
Create Lesson

Editor

Immortalize Education

Elementary School Calculus II - Honors Cohort

This section places unrealistic expectations on second graders. We will begin by recapping antiderivatives and third derivatives, followed by the fundamental theorem of calculus. Find example worksheets below:

ABSOLUTE VALUES $ x = \begin{cases} x & \text{if } x \geq 0 \\ -x & \text{if } x < 0 \end{cases}$ $ x+1 = \begin{cases} x+1 & \text{if } x+1 \geq 0 \\ -(x+1) & \text{if } x+1 < 0 \end{cases}$	FACTORING SPECIAL POLYNOMIALS $A^2 - B^2 = (A+B)(A-B)$ $A^3 - B^3 = (A-B)(A^2 + AB + B^2)$ $A^3 + B^3 = (A+B)(A^2 - AB + B^2)$	$\lim_{x \rightarrow 0} \sin x = 1$ $\lim_{x \rightarrow 0} \frac{x}{x} = 1$ $\lim_{x \rightarrow 0} \frac{x}{x^2} = \infty$ $\lim_{x \rightarrow 0} \frac{1}{x} = \infty$ $\lim_{x \rightarrow 0} f(x) = L$ if and only if $\lim_{x \rightarrow 0} f(x) = L = \lim_{x \rightarrow 0} \frac{f(x)}{1}$
Limits = 0 $\lim_{x \rightarrow a^+} f(x) = 0$ when $\lim_{x \rightarrow a} \frac{1}{x} = 0$ and $f(x) > 0$ when $x > a$ $\lim_{x \rightarrow a^+} f(x) = -\infty$ when $\lim_{x \rightarrow a} \frac{1}{x} = 0$ and $f(x) < 0$ when $x > a$	Limits at 0 $\lim_{x \rightarrow 0} f(x) = \lim_{x \rightarrow 0^+} f(x)$ DIVIDE EACH TERM BY THE HIGHEST POWER OF x	LIMIT LAWS USE IN PROOFS ① $\lim_{x \rightarrow a} [f(x) + g(x)] = \lim_{x \rightarrow a} f(x) + \lim_{x \rightarrow a} g(x)$ ② $\lim_{x \rightarrow a} [f(x) - g(x)] = \lim_{x \rightarrow a} f(x) - \lim_{x \rightarrow a} g(x)$ ③ $\lim_{x \rightarrow a} [cf(x)] = c \lim_{x \rightarrow a} f(x)$ ④ $\lim_{x \rightarrow a} [f(x)g(x)] = \lim_{x \rightarrow a} f(x) \cdot \lim_{x \rightarrow a} g(x)$ ⑤ $\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \frac{\lim_{x \rightarrow a} f(x)}{\lim_{x \rightarrow a} g(x)}$ if $\lim_{x \rightarrow a} g(x) \neq 0$
DERIVATIVE BY DEFINITION $\lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h} = f'(x) = \frac{\Delta f(x)}{\Delta x} = \frac{\Delta f(x)}{\Delta x}$ $\lim_{x \rightarrow a} \frac{f(x) - f(a)}{x - a}$ Use the first one most	DE RIVATION RULES POWER RULE $\frac{d}{dx} x^n = n(x^{n-1})$ PRODUCT RULE $\frac{d}{dx} [f(x)g(x)] = f'(x)g(x) + f(x)g'(x)$ QUOTIENT RULE $\frac{d}{dx} \frac{f(x)}{g(x)} = \frac{f'(x)g(x) - f(x)g'(x)}{[g(x)]^2}$ INTERMEDIATE VALUE THEOREM Suppose f is continuous	ε - δ Notation $\lim_{x \rightarrow a} f(x) = L$ For any $\epsilon > 0$ we can find $\delta > 0$ such that whenever $0 < x - a < \delta$ then $ f(x) - L < \epsilon$ Solving for δ any δ smaller than δ_{max} will work 
DERIVATIVE BY DEFINITION $\lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h} = f'(x) = \frac{\Delta f(x)}{\Delta x} = \frac{\Delta f(x)}{\Delta x}$ $\lim_{x \rightarrow a} \frac{f(x) - f(a)}{x - a}$ Use the first one most	DE RIVATION RULES POWER RULE $\frac{d}{dx} x^n = n(x^{n-1})$ PRODUCT RULE $\frac{d}{dx} [f(x)g(x)] = f'(x)g(x) + f(x)g'(x)$ QUOTIENT RULE $\frac{d}{dx} \frac{f(x)}{g(x)} = \frac{f'(x)g(x) - f(x)g'(x)}{[g(x)]^2}$ INTERMEDIATE VALUE THEOREM Suppose f is continuous	ε - δ Notation $\lim_{x \rightarrow a} f(x) = L$ For any $\epsilon > 0$ we can find $\delta > 0$ such that whenever $0 < x - a < \delta$ then $ f(x) - L < \epsilon$ Solving for δ any δ smaller than δ_{max} will work 



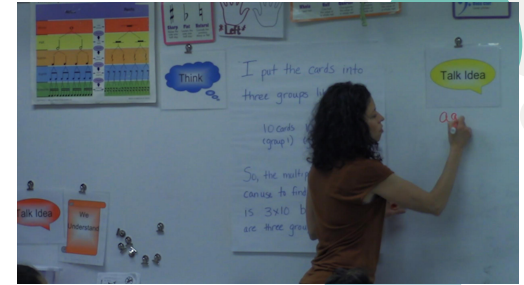
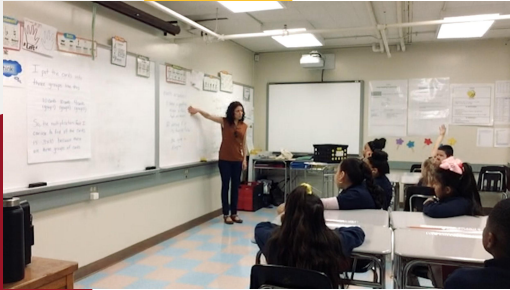
Step Four: Videos

Workflow

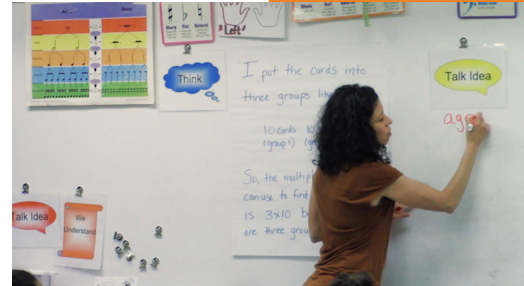
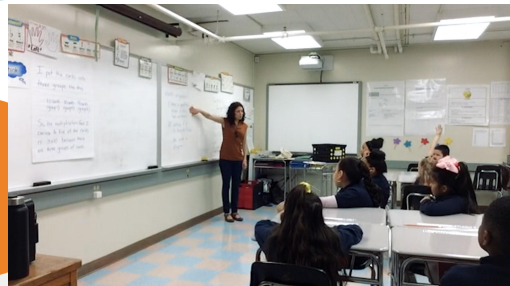
Multimedia Label	General Topic	Content Focus (use exact same phrases as on other two tabs: argumentative writing, exploratory writing, inf/exp writing, math creative writing, nurturing environment, physical classroom environment, talk frame, talk moves, vocabulary, other:_____)	Brief Description	Type of Multimedia	If video, start/end time	PD or Section Where to Include	Where to Place the Multimedia (to be done later)	Purpose of the Multimedia (to guide the technology development)	Is this a very strong example/model to be used in the introductory modules?
Day 3_2-26-20_Close.mp4	exploratory writing	Exploratory Writing (Model/Expl. Writing)	Example of (possible) student exploratory writing during the menu activates	video	4:55-5:00	Talking Time			No
Day 3_2-26-20_Close.mp4	exploratory writing	Exploratory Writing		video	31:55-34:01	Writing Time	Reasoning	activities.	Maybe
Day 3_2-26-20_Close.mp4	exploratory writing	Exploratory Writing	Students exploratory writing during the menu activates with their parents/ others)	video	36:28-37:38	Writing Time	Icon: Video PD of facilitator supporting students thinking during menu activities	Nurturing Environment/Facilitator Moves:This video clips shows students actively engaged in their menu activities and shows how the facilitator rotates groups to ask clarifying questions to support students thinking and problem solving.	Maybe
Day 3_2-26-20_Close.mp4	exploratory writing	Exploratory Writing		video	45:45-46:05	Talking Time			No
Day 3_2-26-20_Close.mp4	exploratory writing	Tools and Resources (Environment)	Referencing locations in room for exploratory writing materials (and other manipulatives)	video	50:48-51:40	unsure/other			No
Day 3_2-26-20_Close.mp4	talk frame		Talk idea question based approach & Math Vocabulary	video		Talking Time			No
Day 3_2-26-20_Wide.mp4	inf/exp writing		inf/exp definition	video	33:15- 33:25	Talking Time			** Added to Day 3 lesson plan
Day 3_2-26-20_Wide.mp4	talk moves	Talk Move (Effective Questioning)	Reasoning	video	7:33 to 9:05	Talking Time	Icon: Video PD of Facilitator	Facilitator Moves:This video clip shows the facilitator	Yes
Day 3_2-26-20_Wide.mp4	talk moves	Talk Frame : Vocabulary (multiplication x)	Talk Moves - introduction of sharing ideas	video	18:00 to 18:30	Talking Time	Icon: Video PD of introducing	This video clip shows the facilitator introducing what	Maybe
Day 3_2-26-20_Wide.mp4	talk moves	Talk Move (Student reasoning)	Turn and Talk / Partner Talk	video	23:00 -25:40	Talking Time	Icon: Video PD of Facilitating	This video clip shows the facilitator modeling student	Yes
Day 3_2-26-20_Wide.mp4	talk moves	Talk Frame	Talk Moves throughout the Talk Frame	video	18:00-32:00	Talking Time	Icon: Video PD Modeling the	This video clips shows the facilitator modeling student	Yes
Day 3_2-26-20_Wide.mp4	talk moves	Talk Frame (We Understand)	Visual Representations Time to Think	video	26:45-33:00	Talking Time	Icon: Video PD of Student Re	Student Discourse: This video clip shows students exp	Yes
Day 3_2-26-20_Wide.mp4	talk moves	Talk Move (Student Discourse/Reasoning)	Talk Moves - Evidence and Reasoning	video	33:00-33:58	Talking Time	Icon: Video PD of student Reasoning/Discourse during modeled writing		Yes

	INHouse_Day_3_Video_1.mp4	November 18	Zor, Anthony	113 MB	🔒 Shared
	INHouse_Day_3_Video_2.mp4	November 18	Zor, Anthony	197 MB	🔒 Shared
	INHouse_Day_3_Video_3.mp4	November 18	Zor, Anthony	1.01 GB	🔒 Shared
	INHouse_Day_3_Video_4.mp4	November 17	Zor, Anthony	461 MB	🔒 Shared
	INHouse_Day_3_Video_5.mp4	November 18	Zor, Anthony	71.2 MB	🔒 Shared
	INHouse_Day_3_Video_6.mp4	November 18	Zor, Anthony	289 MB	🔒 Shared

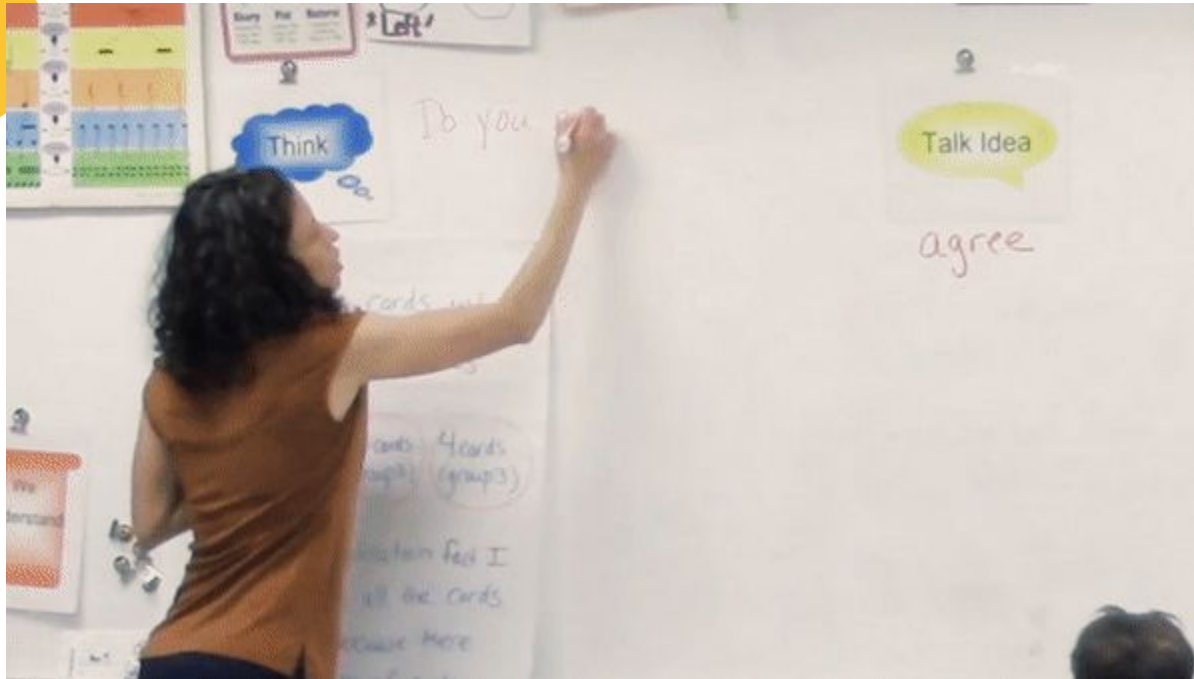
Before Color Correction



After



Progress



Final Deliverables

Next Steps:

- Videos are 95% done -- waiting for client feedback
- When videos are done, INHouse Learning will create a Youtube channel, and I will upload them there
- Videos will then be embedded into the lesson plan

To Conclude...

What we learned

CMS concepts, deployment, proxying, and management

Content type creation and intentional data planning

Responsive web design for the landing page, concepts of color theory, layout, data presentation

Client communication

NGINX - lots of it

VPS Configuration & Hosting

Video embedding and deployment

Routing parameters to generate dynamic content

Creating custom API routes

Determining value of technology stack