Meme Creation for Formative Assessment in plain sight 2. Antimatter Activities



1. Memes: A great learning device hiding

(1) antimatter



Why we made Antimatter Activities

I started Antimatter in 2021 after realizing how much I was learning from the *discussions* in several learning meme communities around the internet: r/physicsmemes on Reddit and @historymemes_explained on Instagram. I realized that learning memes weren't just a gag — they're social puzzles around which people congregate, and the resulting discussions are rich and valuable.

What came next surprised me: I learned that many teachers around the world already used meme creation with their students for formative assessment. There's even a well of publications about the efficacy of memes in the classroom.

What I also learned is that teachers were sending their kids all over the internet to run these activities. We built Antimatter to make meme creation activities fun, efficacious, and easy to run with the classroom.



Jonathan Libov Founder & CEO of Antimatter

Memes: A great learning device hiding in plain sight





Memes: A great learning device hiding in plain sight

Memes aren't gags. They're short, puzzle-like stories.

Bloom's Taxonomy

Produce new or original work

Design, assemble, construct, conjecture, develop, formulate, author, investigate

Justify a stand or decision appraise, argue, defend, judge, select, support, value, critique, weigh

Draw connections among ideas

You're not only asking each student to tell a novel, puzzle-like story, but also prompting a rich class discussion



Anatomy of a Meme

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Creativity & Ingenuity Memes are a language that

every learner is fluent in

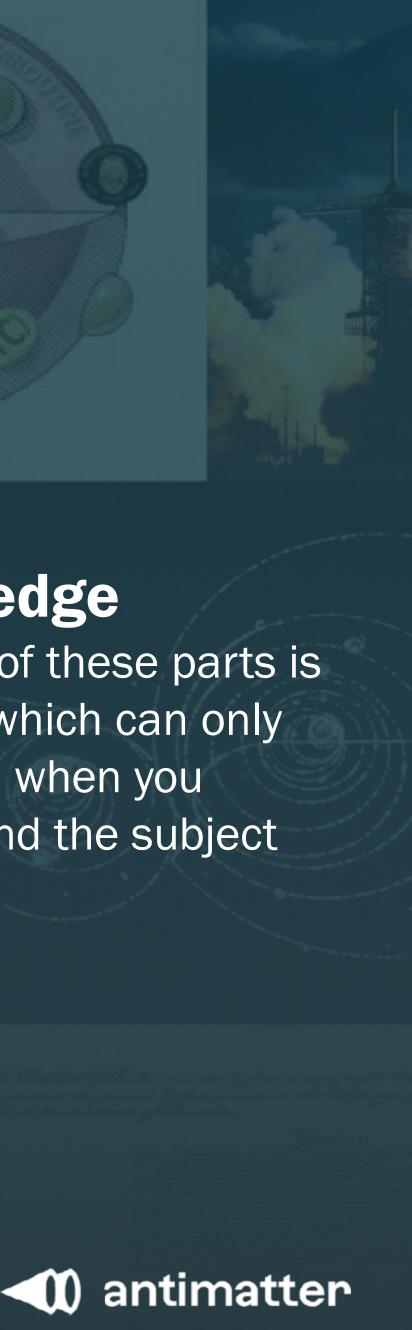
Storytelling

Meme templates are prototypes for stories

Memes: A great learning device hiding in plain sight

Knowledge

The sum of these parts is a puzzle which can only be solved when you understand the subject matter



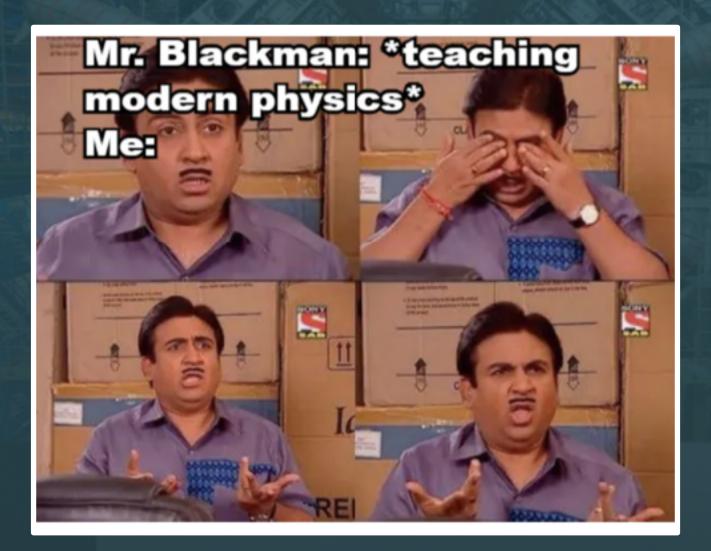
The three types of learning memes

Camaraderie

Fostering camaraderie among students enhances engagement and participation

Knowledge/terms

Memes are memorable, making them ideal for test review and building foundational knowledge



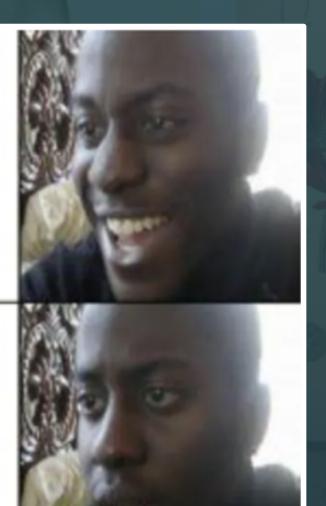
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Memes: A great learning device hiding in plain sight

Storytelling

Memes possess a magnetic storytelling capacity that captivates students' attention and interest.











Teachers use Antimatter activities for almost anything taught in the classroom

Knowledge/terms

Cell Phones in the Classroom: **Distraction or** Tool?



таріс 🛈 Cell Phones in the Classroom:...

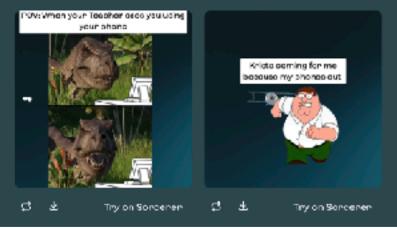
INSTRUCTIONS (

Create a meme that represents your view on the use of cell phones in the classroom. Your meme should be puzzle-like and require the



Camaraderie





Pre-AP Final Review

Run by 🛞 mmccourt using Heatmap

TOPIC 🛈 Pre-AP Final Review

INSTRUCTIONS ()

Create a meme on a topic of your choice from our class.

Set up this activity with your classroom The setup for this activity will be cloned but not any

Memes: A great learning device hiding in plain sight

Storytelling

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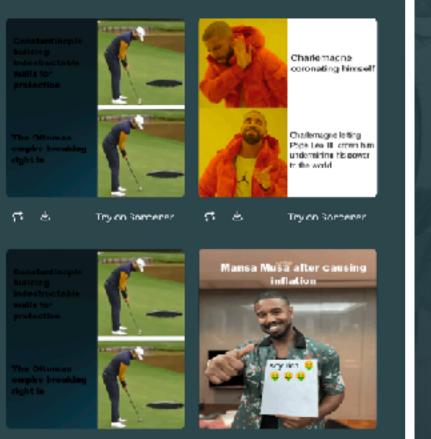
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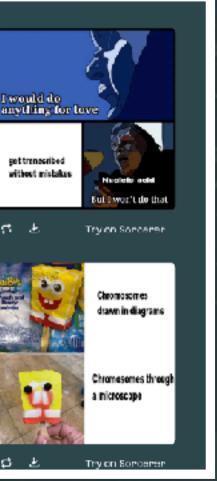
Set up this activity with your classroom

тарта 🛈 Biology S1

INSTRUCTIONS ()













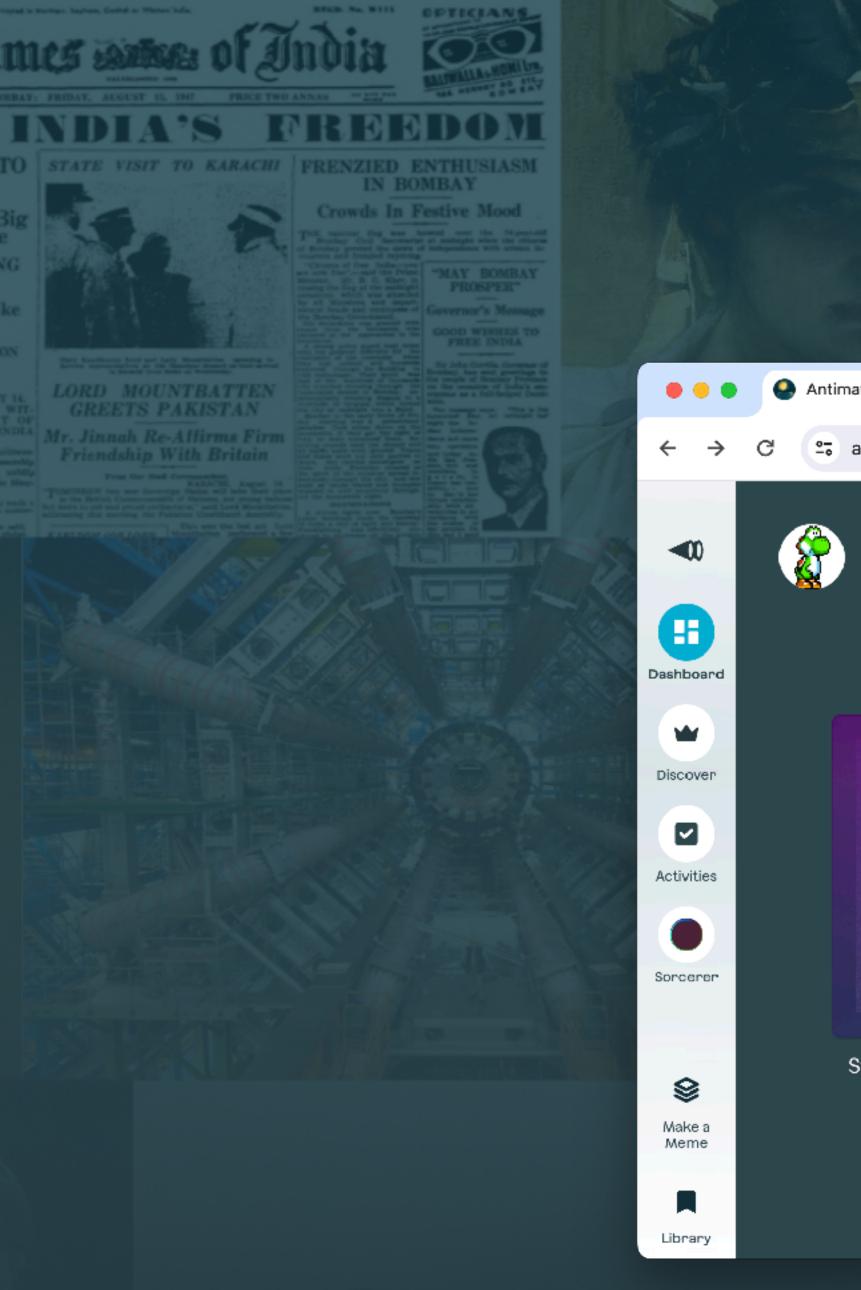


Mr. Jinnah Re-Affirms Firm





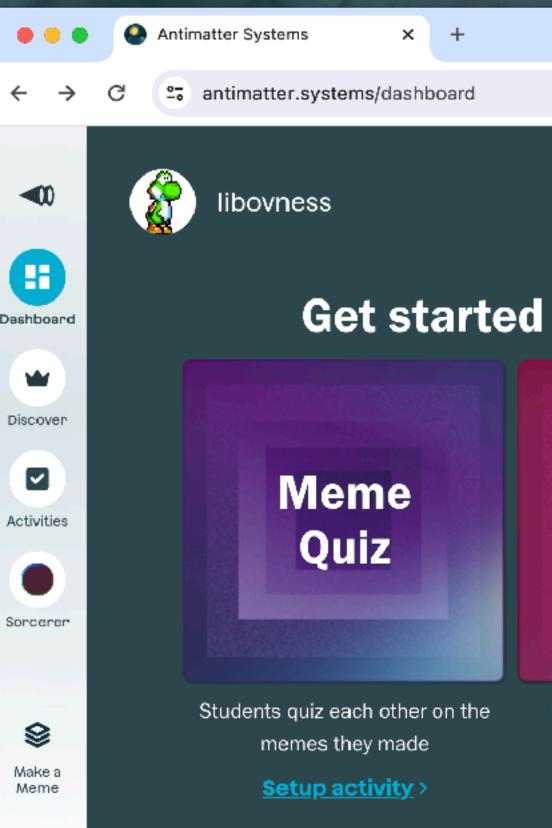




Antimatter Activities

Antimatter Activities

Three unique activities for every class size and subject matter





Get started by preparing an activity

Heatmap

Create memes from a single prompt on a shared canvas

Setup activity >

New Phone Who Dis

Create a text thread between two characters or ideas

Setup activity >



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Heatmap

Create memes on a grid. Students can navigate the grid to "bless", or upvote, each other's work

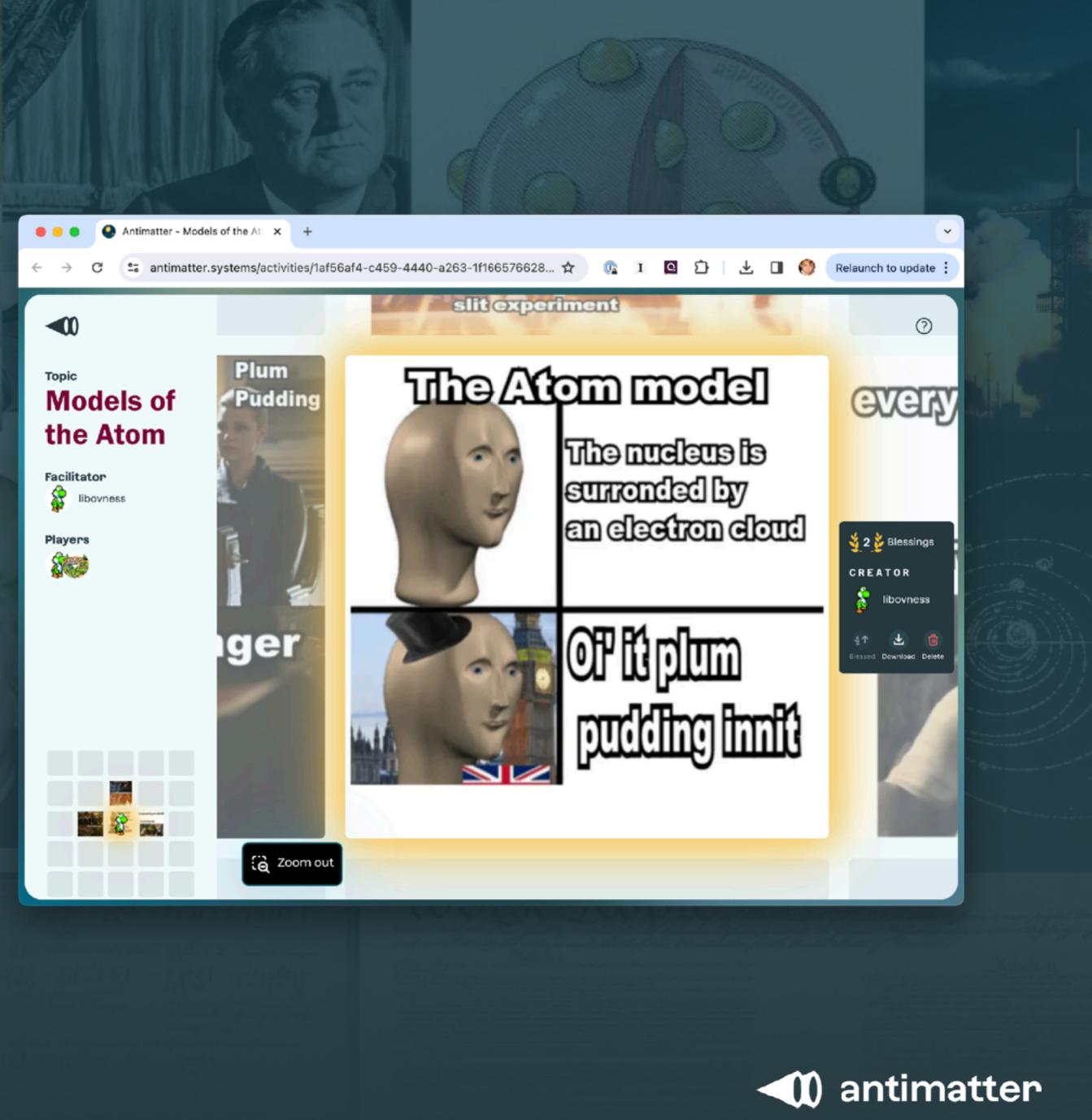
Why students love it

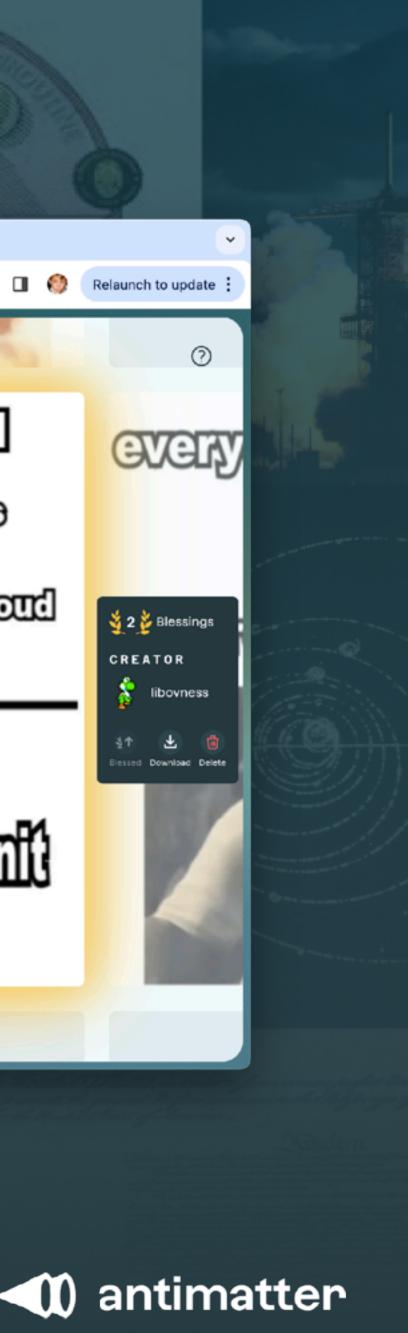
Not only is it a blast to walk around the map discovering new memes, it inspires students to celebrate their classmates' work and tell new, original stories through memes.

Why teachers love it

As easy as can be to set up — just enter a topic and invite your students.

Great for when you're wrapping up a unit and want to challenge and engage your students.





Heatmap



Select a topic and number of participants.

Lobby

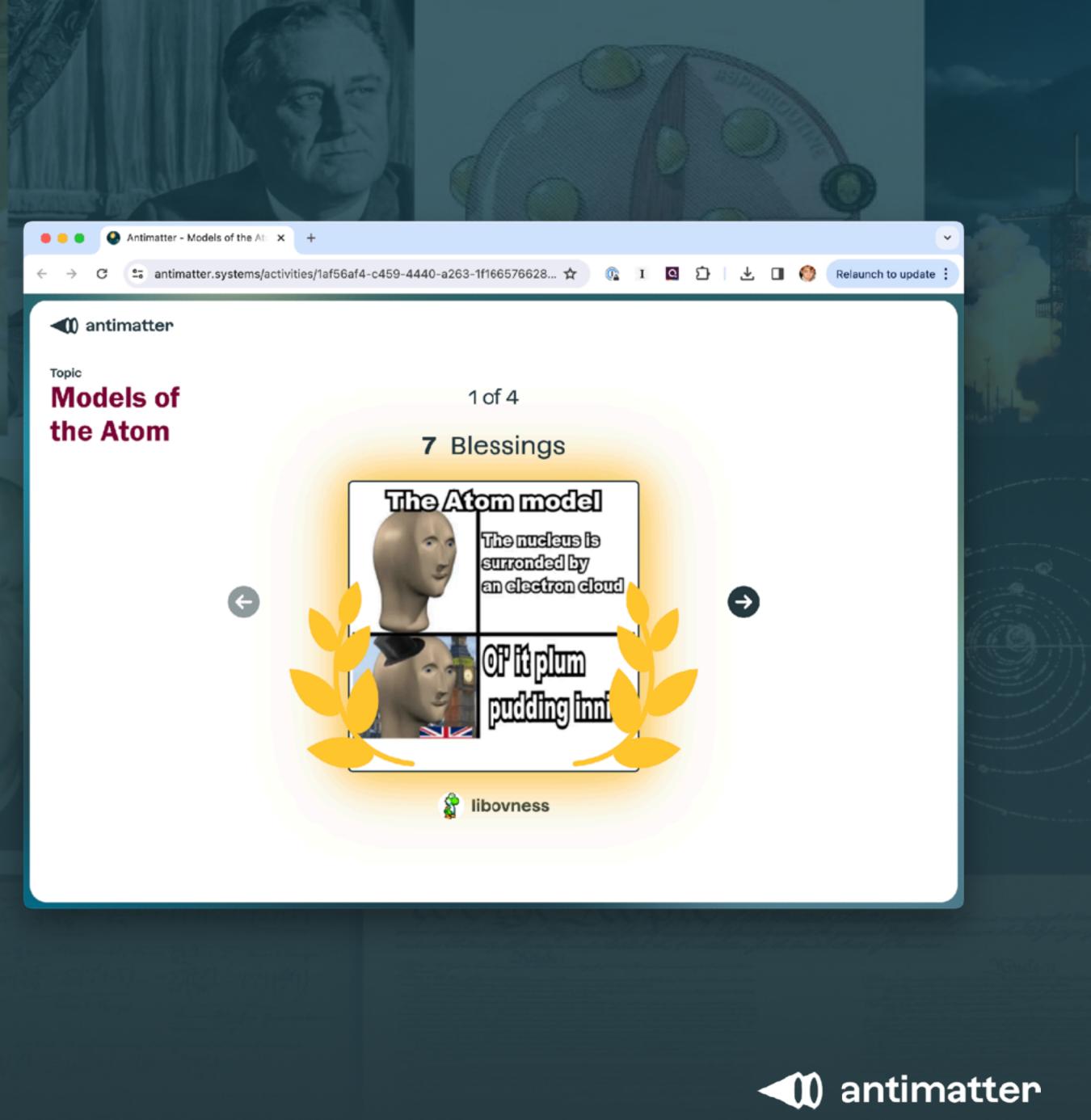
Share the invite link. Your students wait in the lobby until you start the activity.

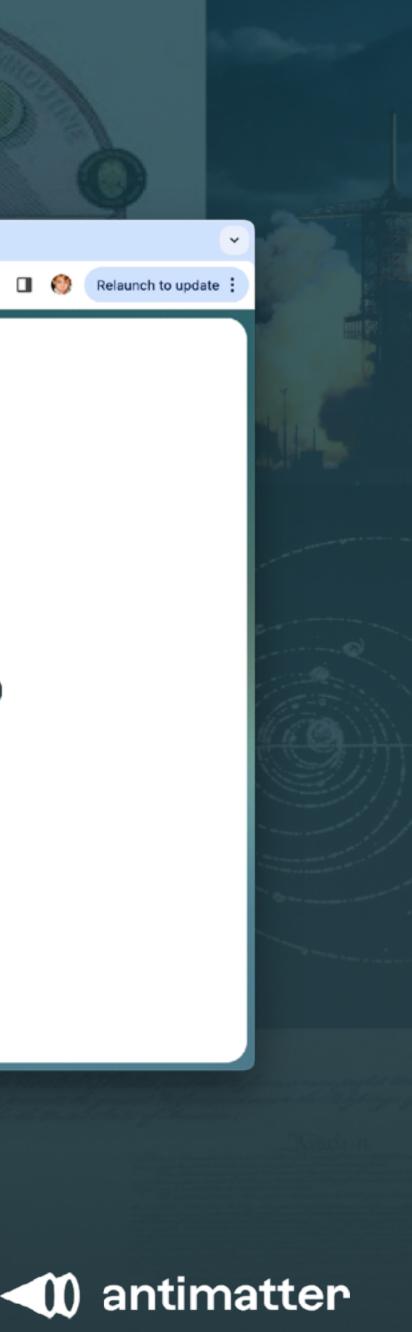
Play

Your students create on the Heatmap while you facilitate and moderate the activity.

Review

Browse through your students creations while your students discuss, analyze and enjoy each other's work.





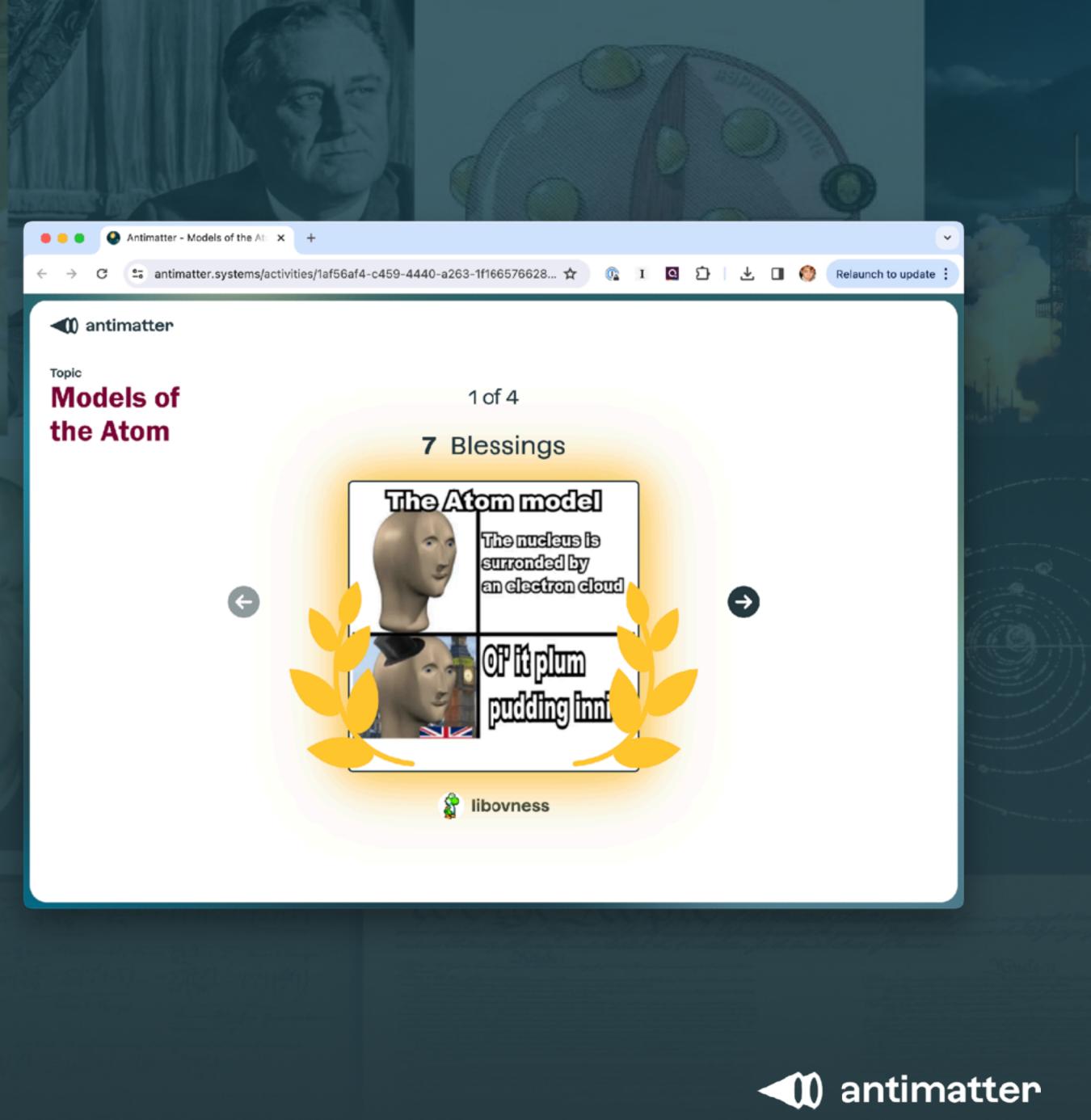
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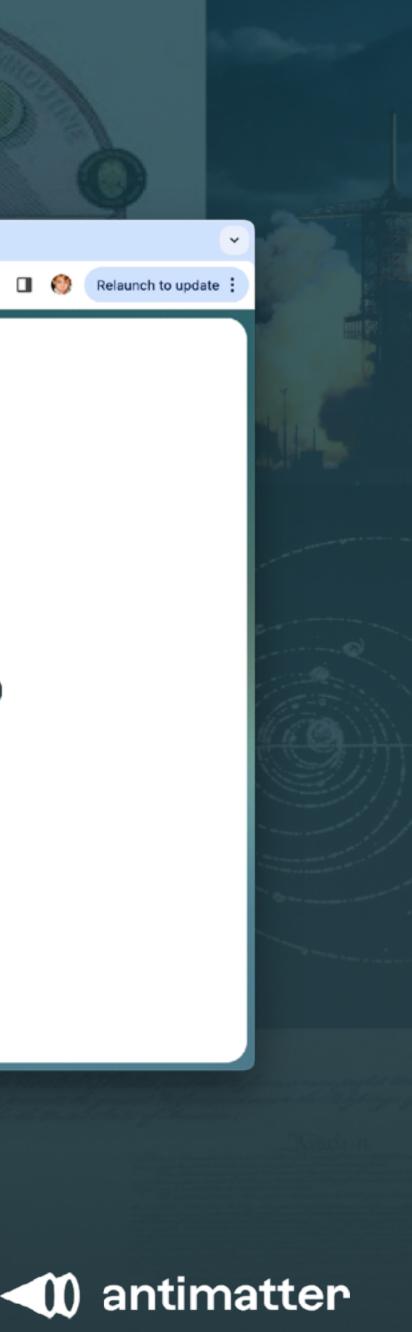
Great for:

- Class Meme Collage
- Meme competition

Heatmap

• End-of-unit review





Meme Quiz

Create a meme from a prompt. Each meme becomes a multiple-choice style quiz question.

Why students love it

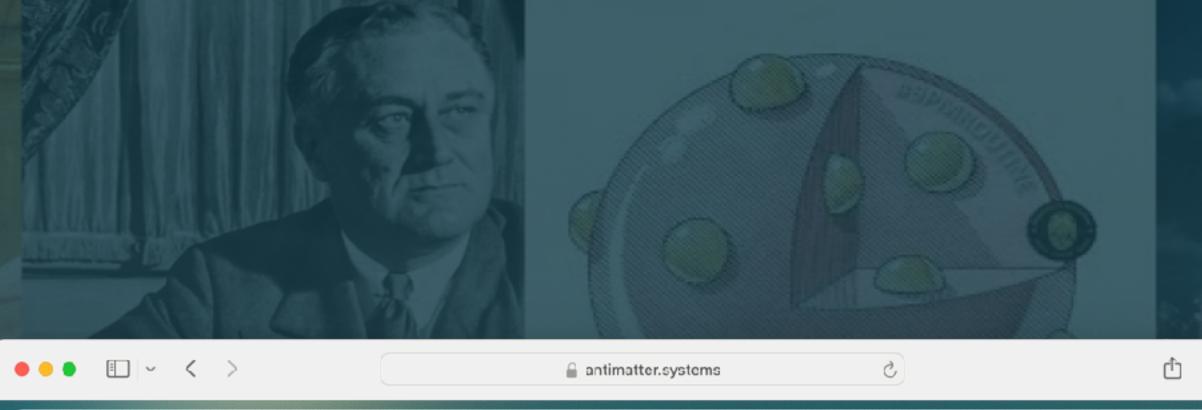
Students are invited to create a uniquely puzzling meme that will make their classmates think deeply about the subject matter (and of course laugh about it!).

The quiz at the end is a blast.

Why teachers love it

The variety of prompts you give your students enables you to cover several sub-topics, along with a fun quiz to leave your students with.

Antimatter Activities



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Bill of Rights

Instructions

Make a meme about your assigned prompt. Your meme should be puzzle-like and require the person who is reading it to think about the subject matter. Your prompt:

3rd Amendment

Submit





Meme Quiz



Select a topic and several prompts.

Lobby

Assign students to prompts. Your students wait in the lobby until you start the activity.

Play

Your students create one or more memes about their assigned prompt.

Quiz

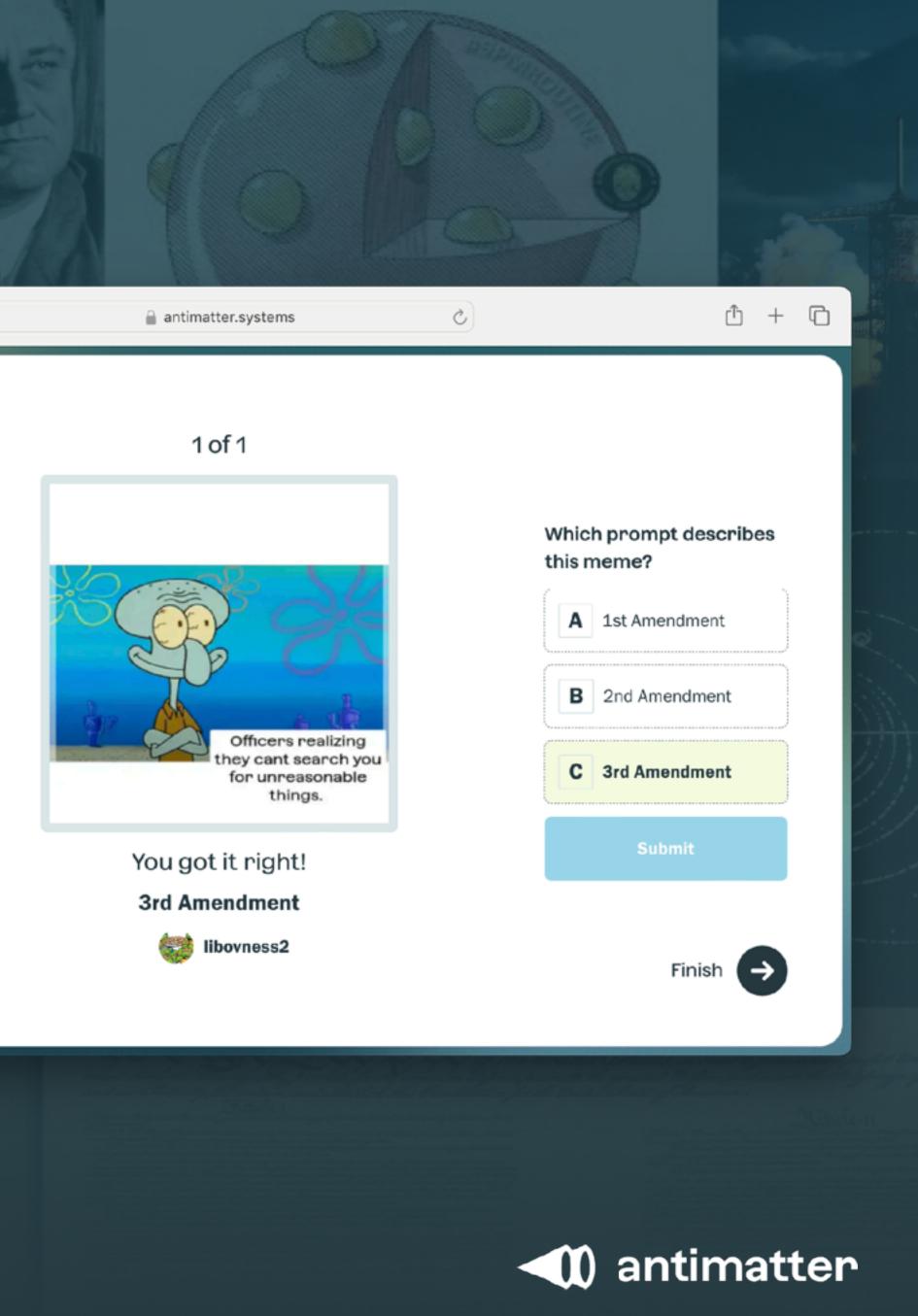
Do the multiple-choice quiz as a class, or have students do the quiz individually.

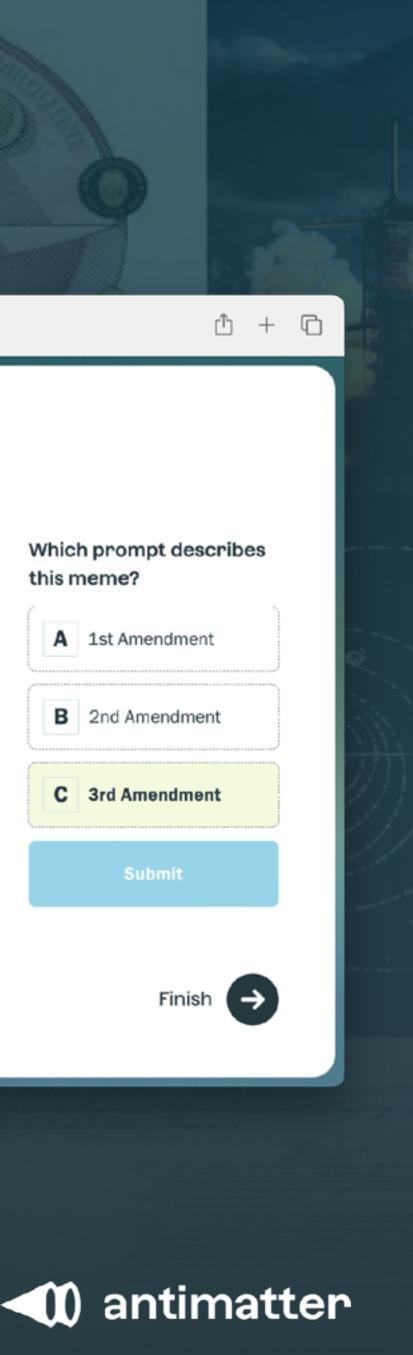
Antimatter Activities



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Meme Quiz

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Great for:

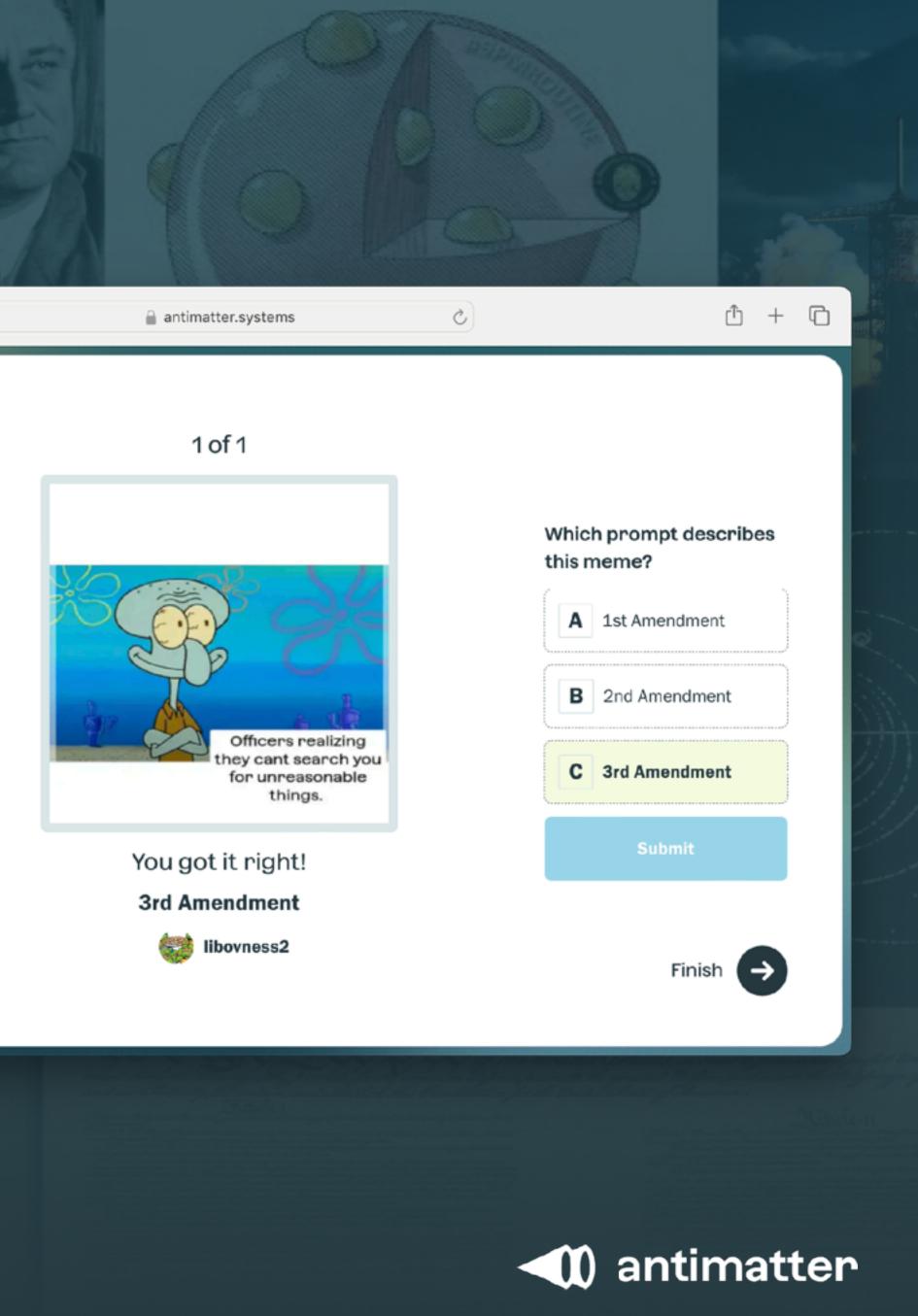
- Name the US President
- Which periodical element am I?
- Current events as memes

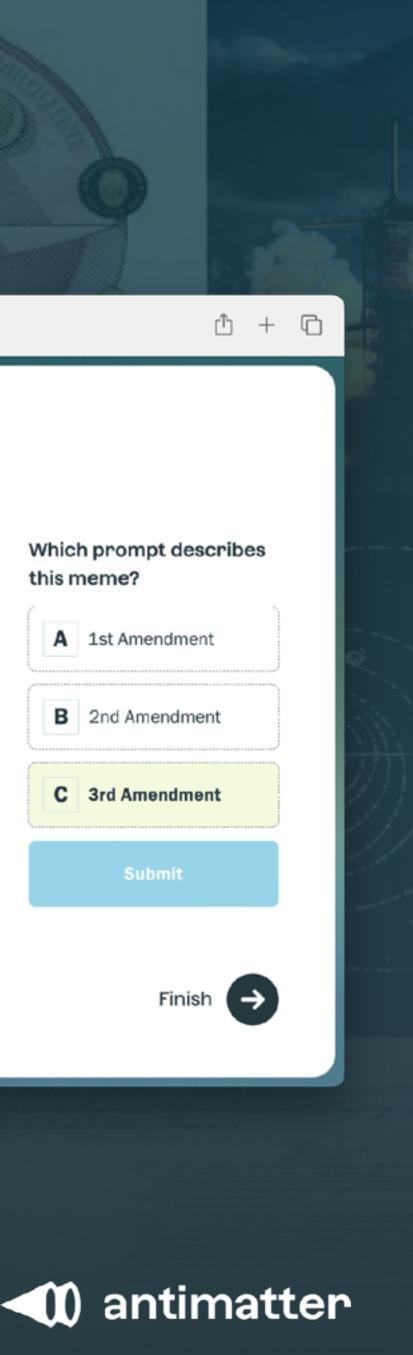
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New Phone Who Dis

Simulate an iPhone chat between historical figures, fictional characters or ideas.

Why students love it

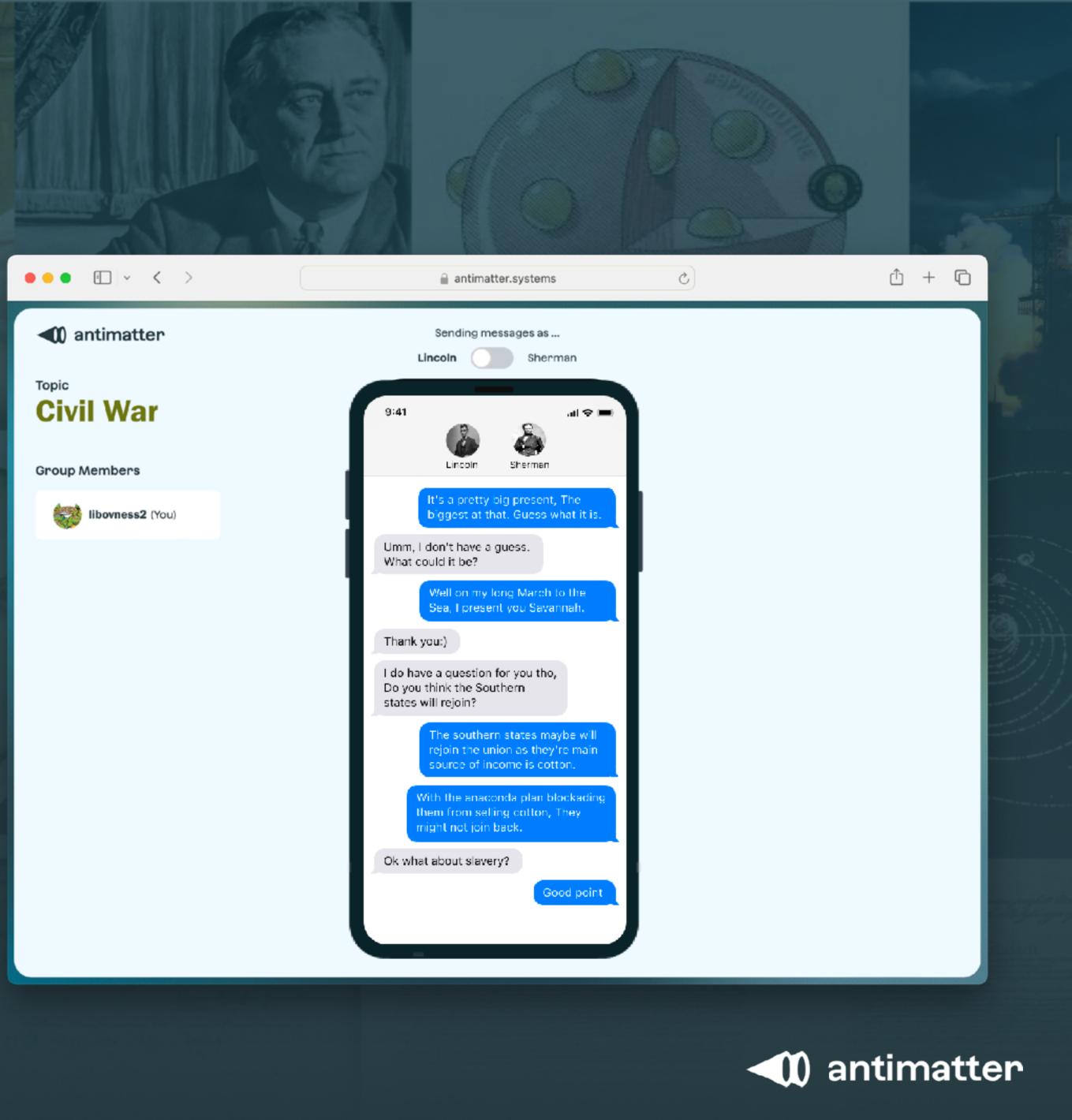
We went all out to make this feel just like an iPhone chat, including sounds.

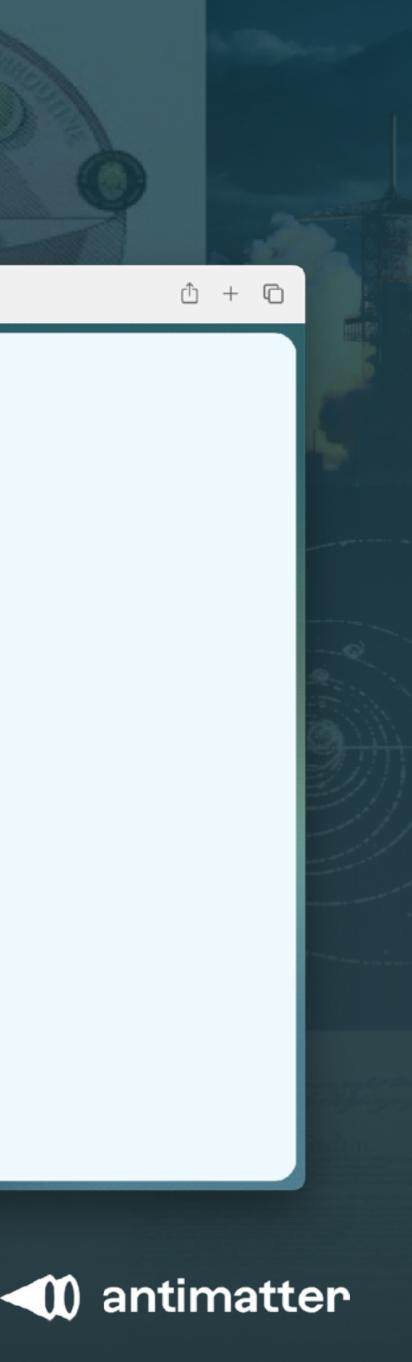
Students love communicating big ideas in the language they use with their friends in chat.

Why teachers love it

Inviting students to play a role really challenges them to grapple with the subject matter.

Student creations are always outrageously creative and insightful.





New Phone Who Dis

Setup

Select the two participants in the chat.

Lobby

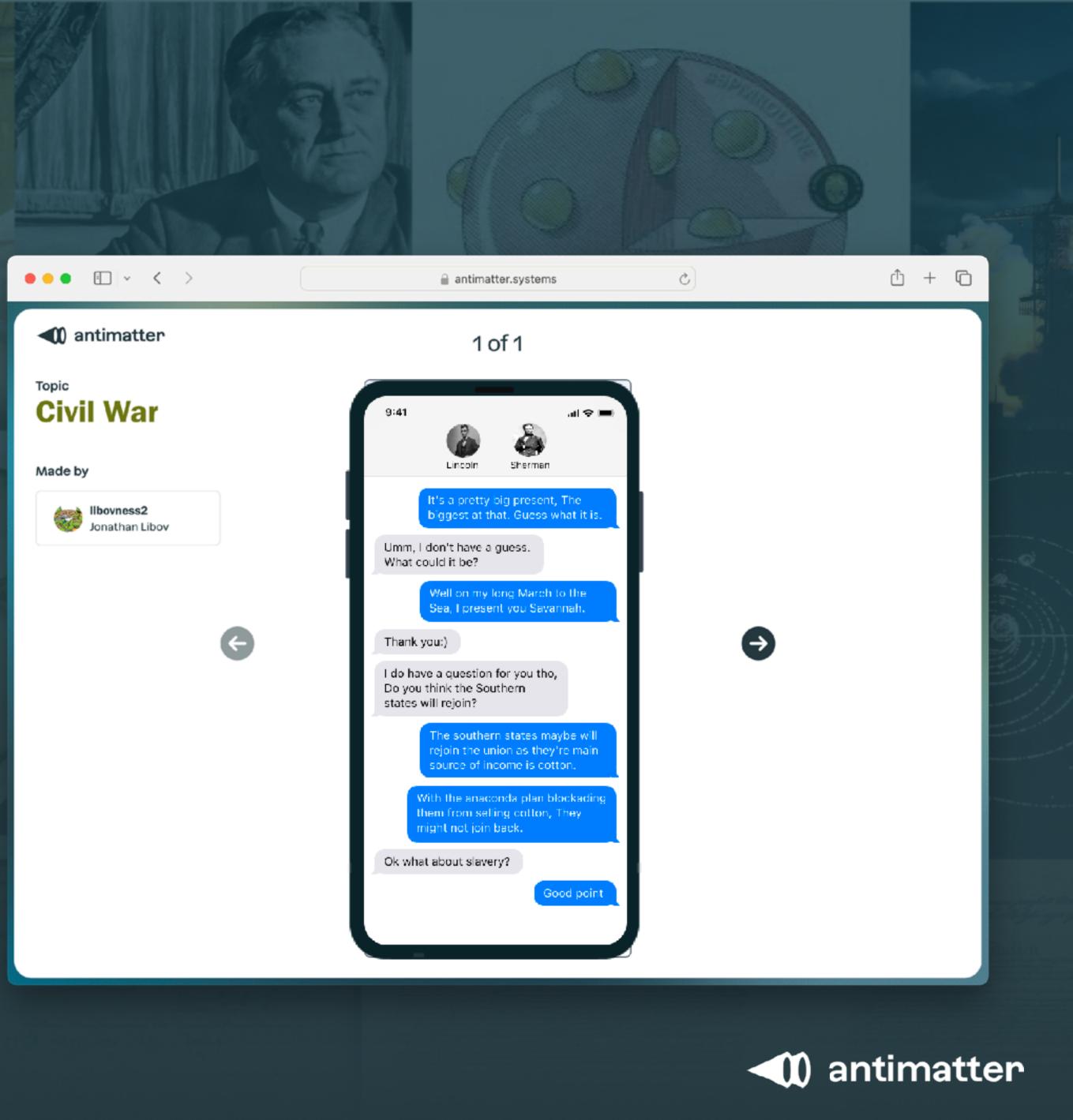
Assign students to a participant. Your students wait in the lobby until you start the activity.

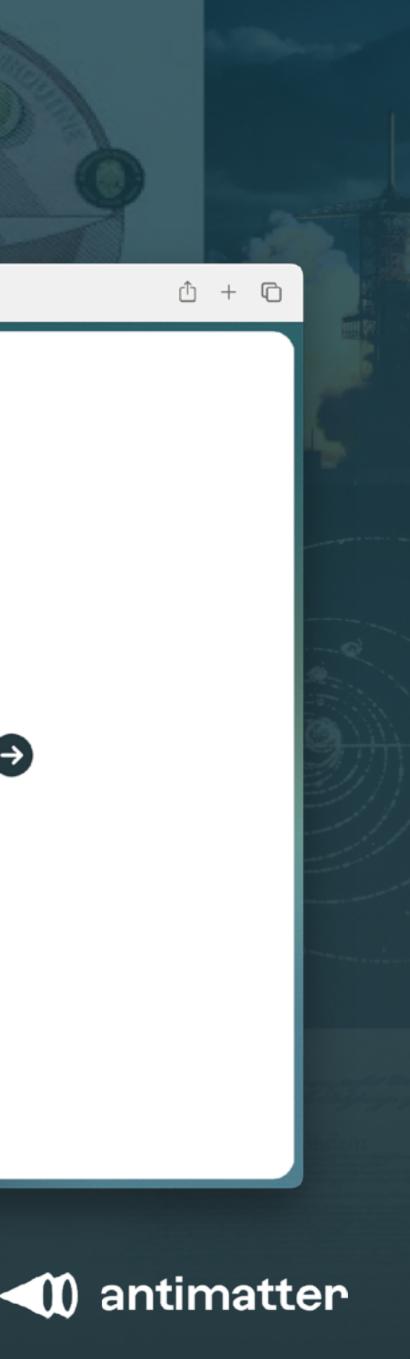
Play

Your students chat with their counterparts.

Review

Browse through your students' creations as everyone enjoys all the unique insightful perspectives and juxtaposition.



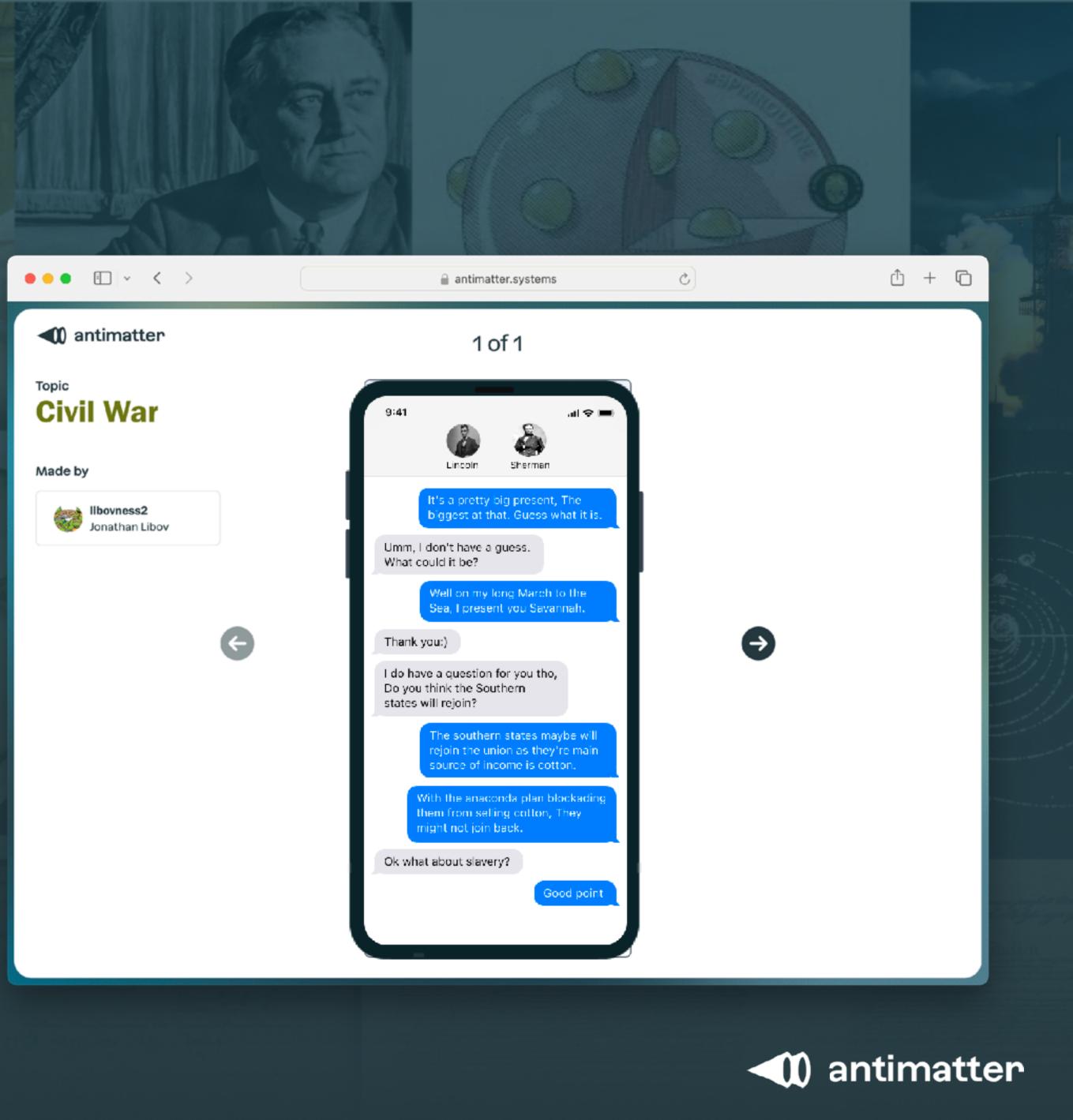


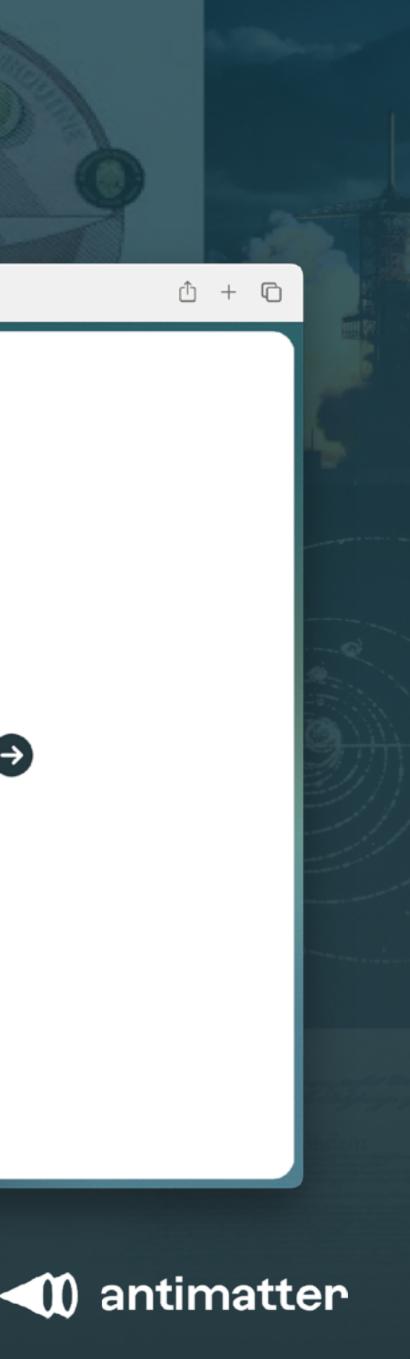
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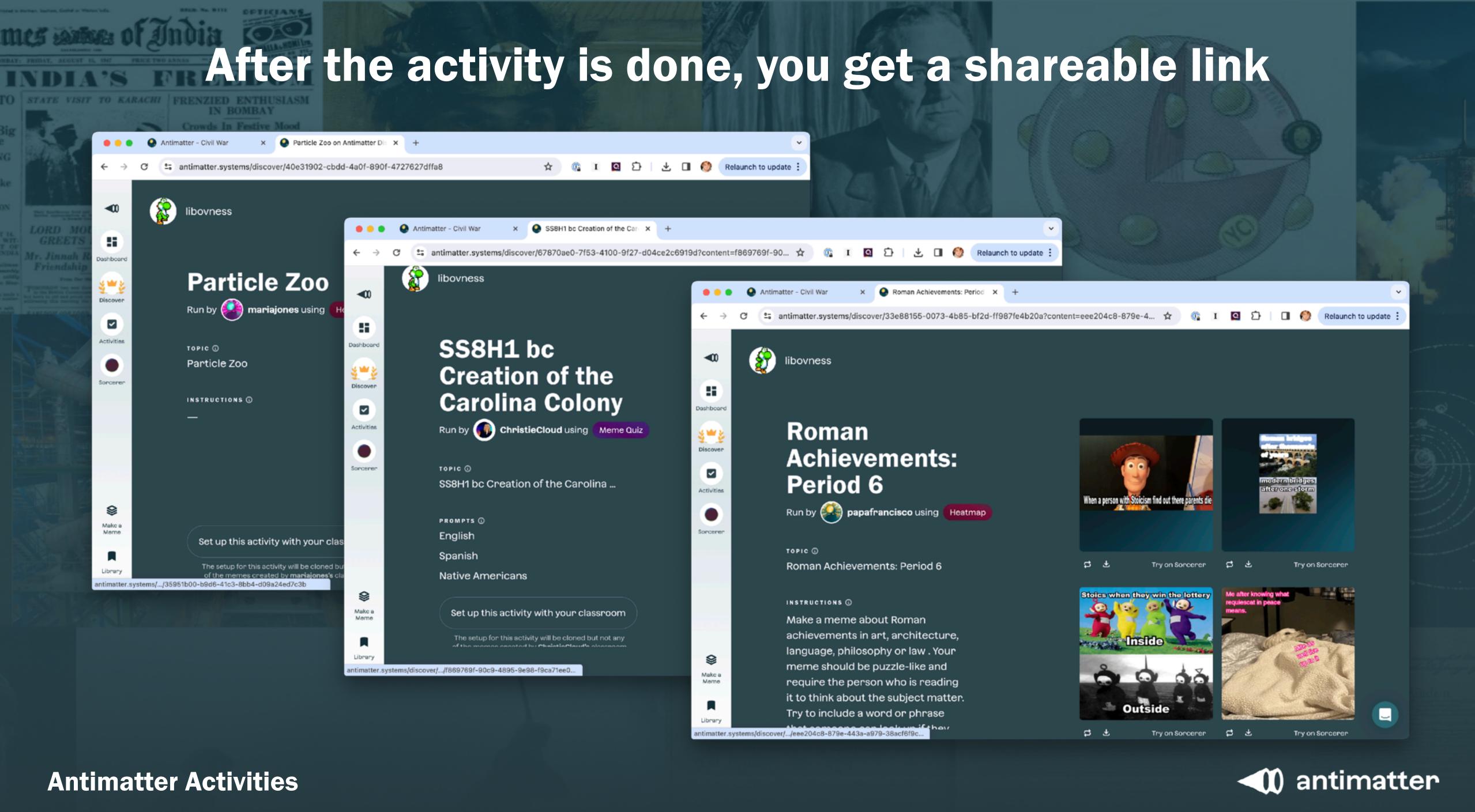
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Great for:

- Chat between literary characters
- DM thread between positive and negative numbers
- Debate between famous scientists
- Reenact a historical event as a text thread









More about Antimatter Activities





Facilitate the activity & discussion with ease

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Activities

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Make a

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Library

Topic 13 colonies

Antimatter Discover

Instructions

A shared canvas for memes, based on a single. As memos are upvoted, they glow with heat.

Copy invite Link 🗖

- Click a student to see a creation when ever a student submits appears next to their name.
- 2 Watch for late arrivals, click to assign them a prompt. When a student annives late,

appears next to their name. 3 When ready for quiz, choose play style Competitive or

Start Review

Cooperative

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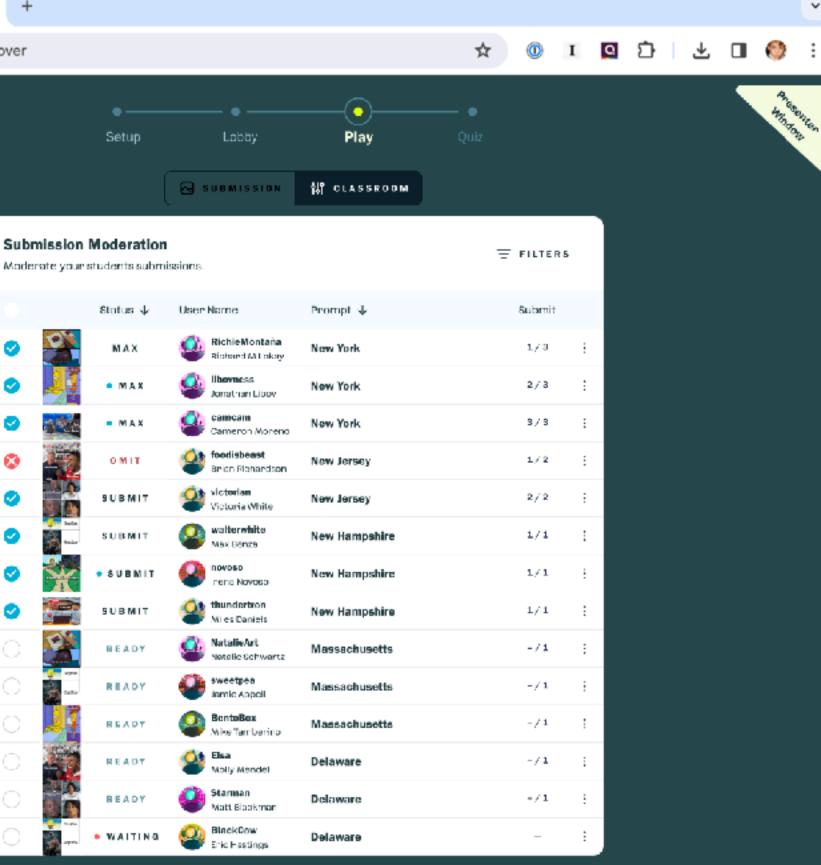
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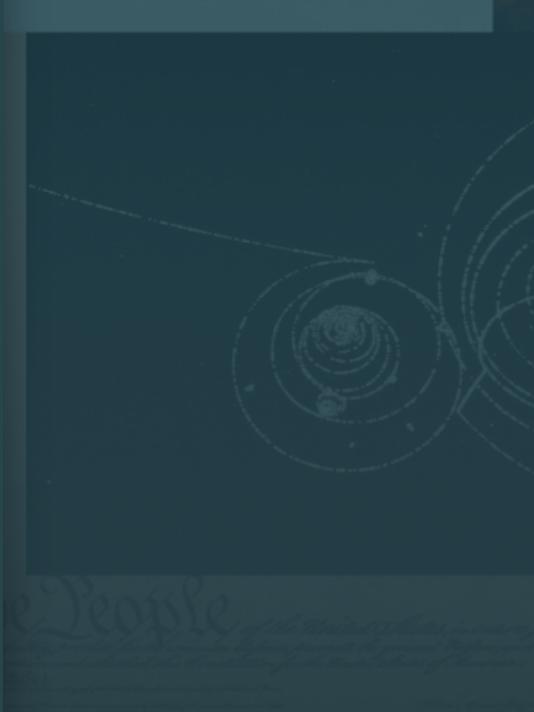
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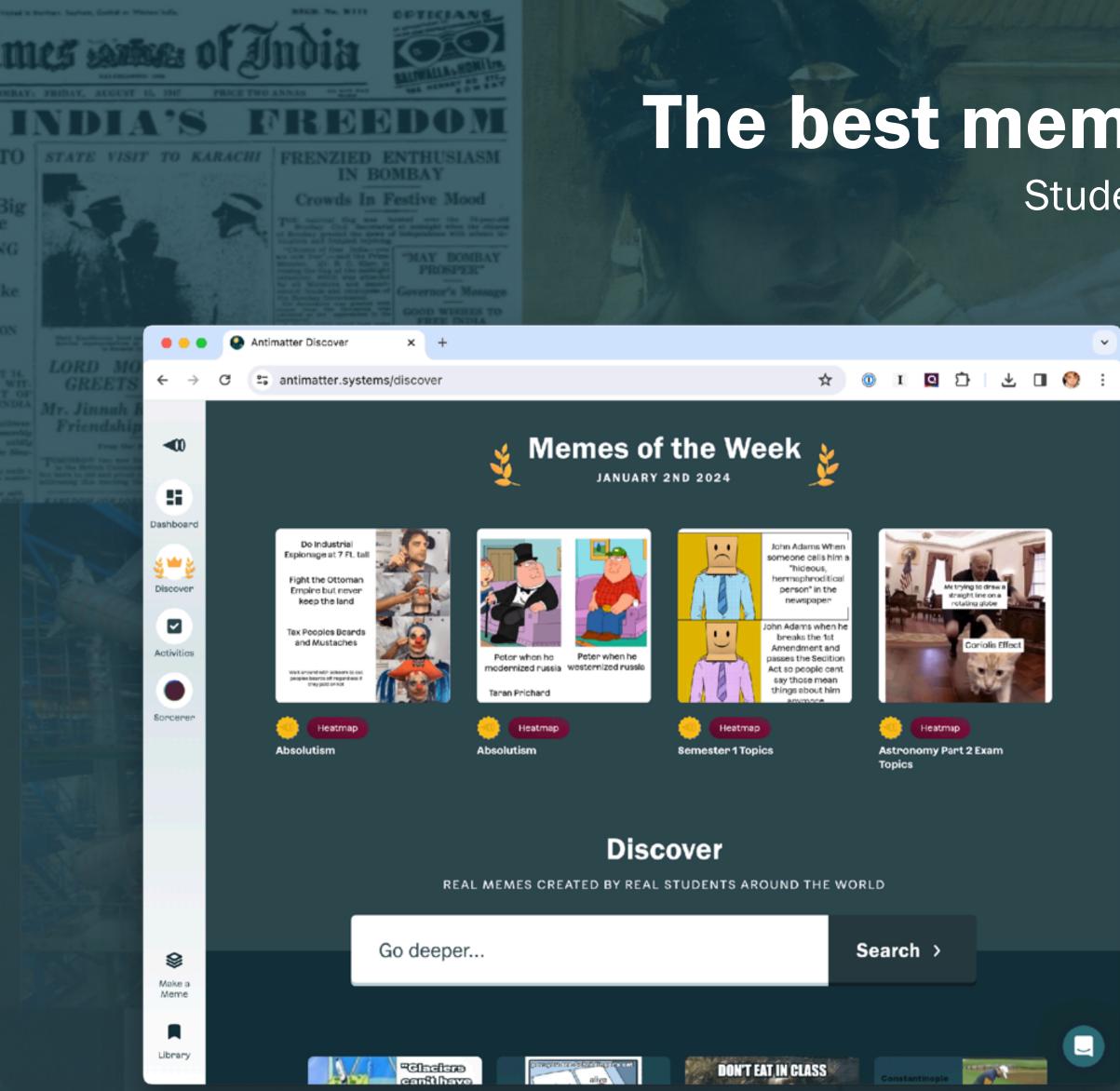
A full suite of moderation tools and convenient facilitation tools

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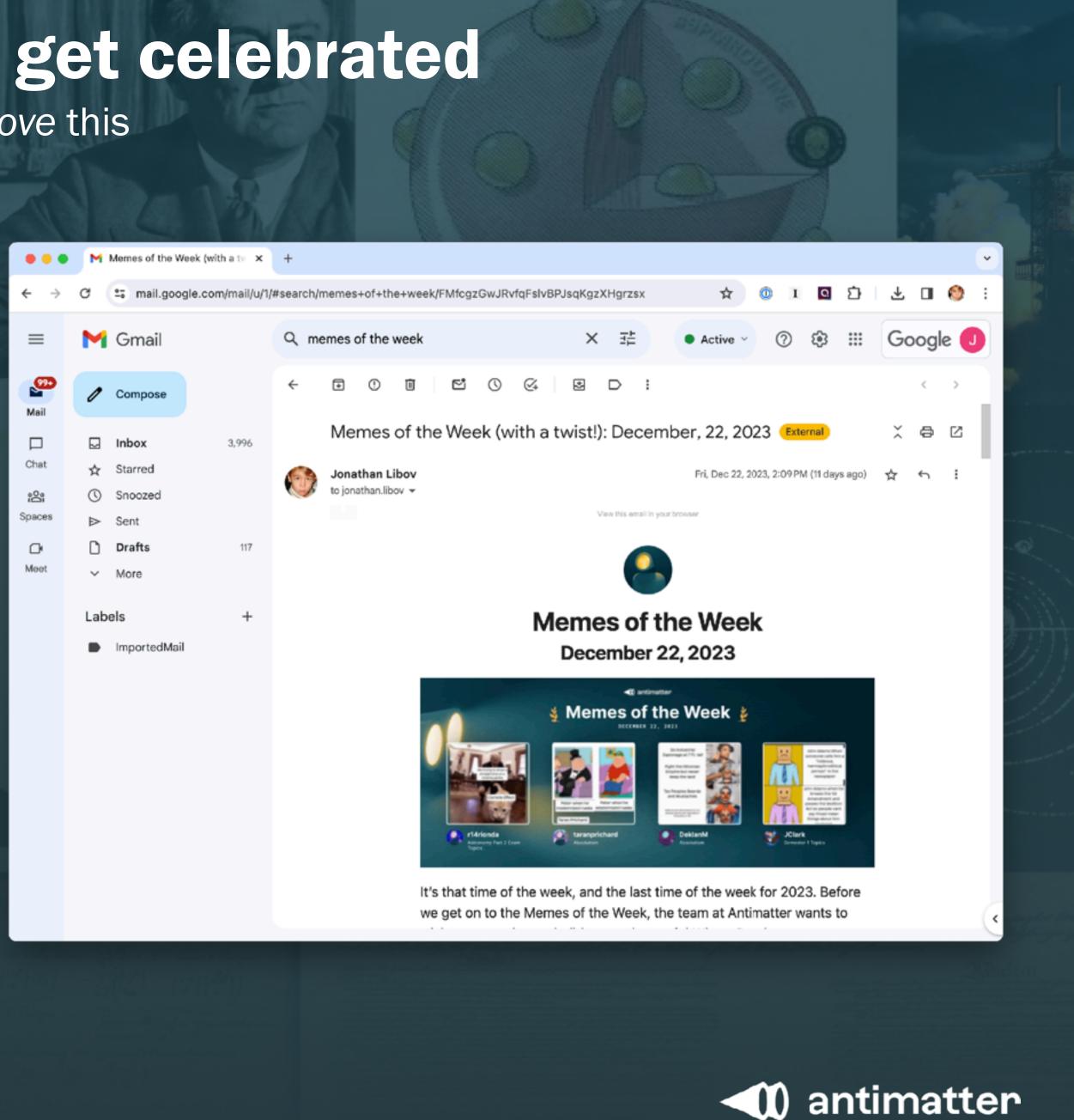




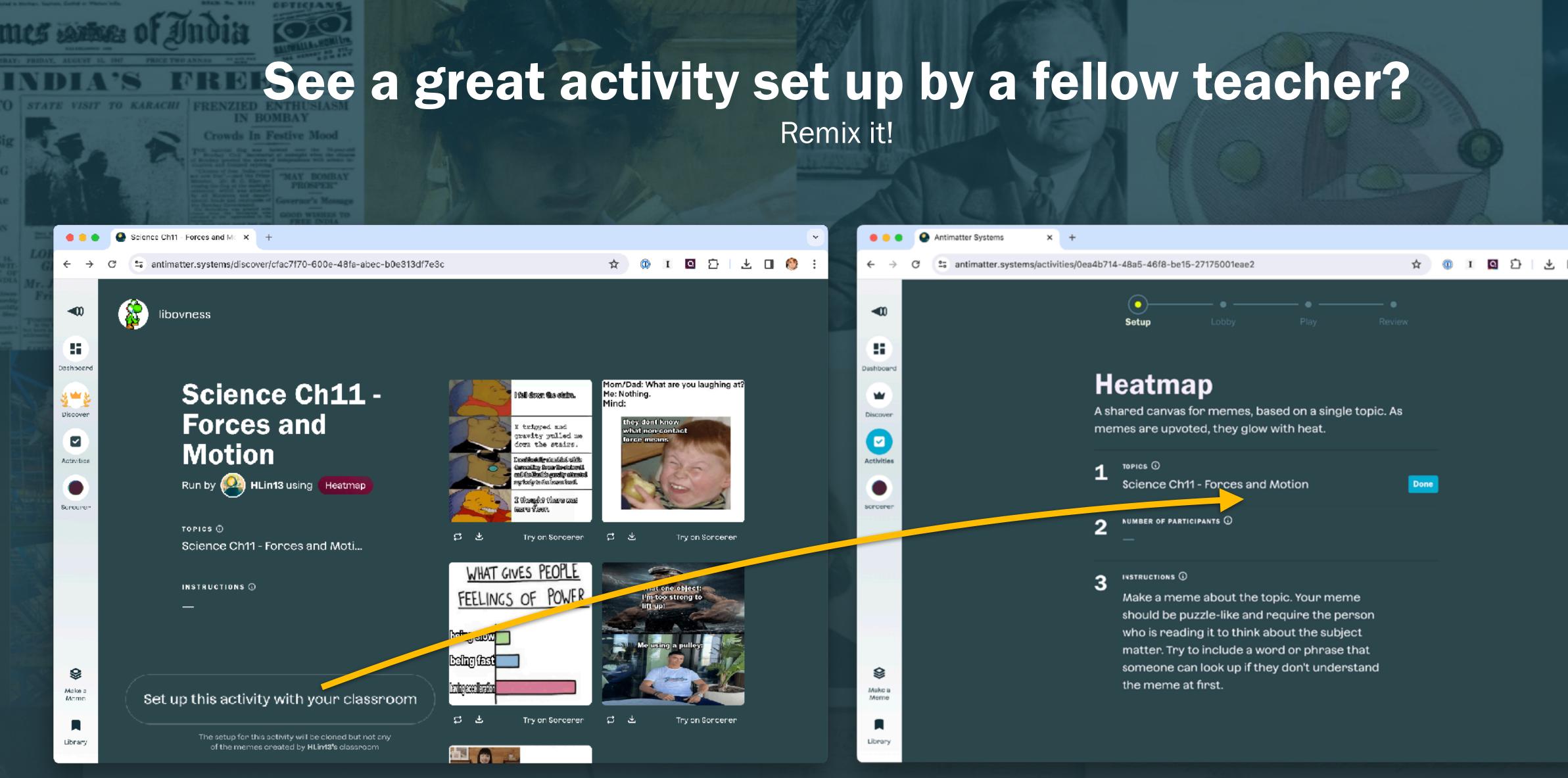


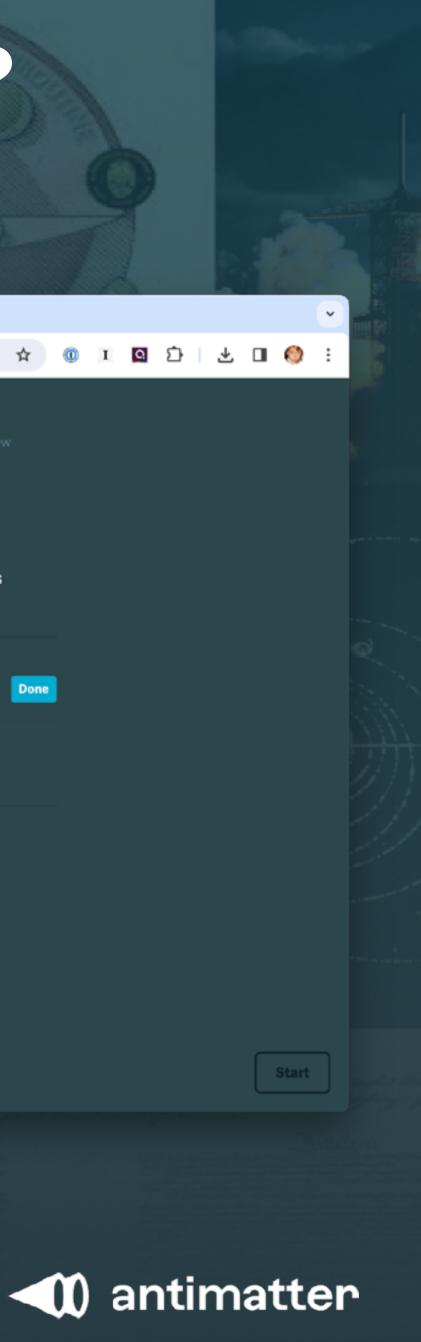
Antimatter Activities

The best memes get celebrated Students love this









One of the best creation tools you've ever seen

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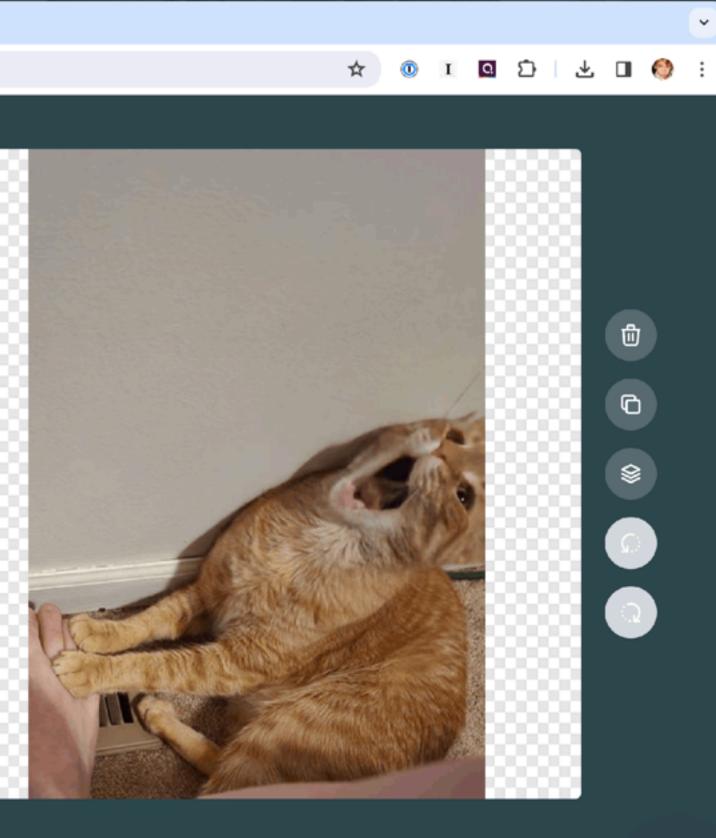
New (school-appropriate) templates everyday

Antimatter Activities

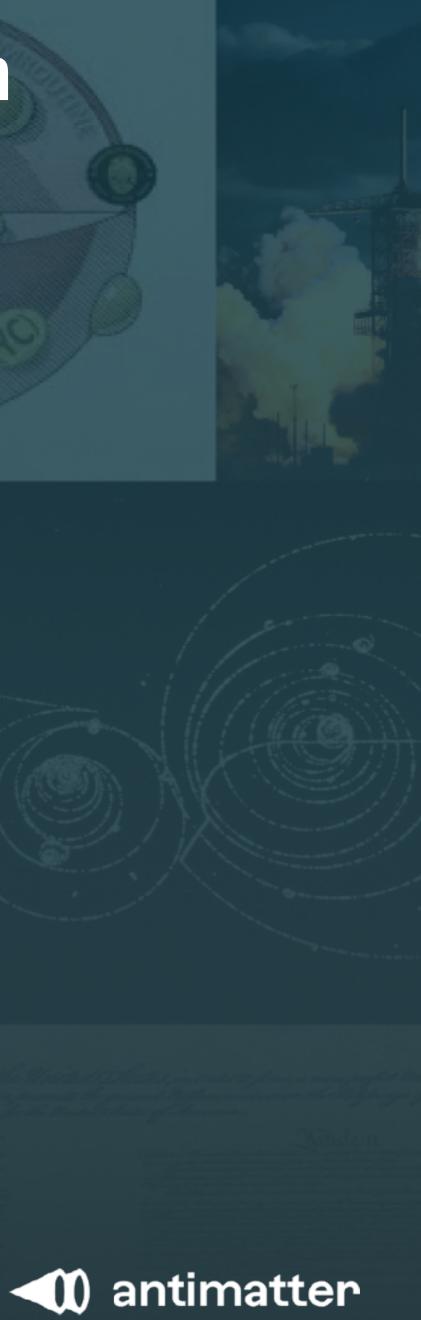
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v seriously, and the kids can feel it



Done ->





Antimatter will be free forever for teachers and schools







How to get involved Subscribe to our newsletter/blog Schedule a 1:1 Join the Antimatter Teachers' Lounge on Facebook







Privacy & Security

We are built on a thoroughly modern technology stack that

when using Google Auth or other OAuth

-beyond totally anonymized analytics

Data are encrypted in motion and at rest

We can delete all user data within 72 hours, upon request

View our Terms of Service at <u>https://antimatter.systems/</u> termsofservice

View our Privacy Policy at <u>https://antimatter.systems/privacy</u>

- ensures privacy, security, and ease of deletion when necessary
- We don't collect any PII beyond student names that are passed
- We don't share any data with third parties—including Al providers

