



Sorcerer by Antimatter

Differentiated for every learner, encouraging to all

Sorcerer is an AI-powered tool that uses your learning goals to find the right sequence of questions to ask your students

Why we made Sorcerer

The vision for Antimatter has always been to create efficacious, enjoyable and ultra-modern tools for both teachers and learners.

There are of course new challenges for teachers and classrooms in the 2020's, but we believe it's never been a better time to be a teacher or learner. ChatGPT has proven to be an incredible *resource* for students, but it is just a resource. When I speak to students, they're quick to report that, as useful as ChatGPT can be, it *feels* more like cheating than learning.

We built Sorcerer to help teachers and learners with assessment. Unlike every other AI, Sorcerer asks the student or learner *differentiated* questions tailored to their mastery level *on any topic*. We also give you a suite of tools to monitor your students' performance and tailor Sorcerer to their needs and enjoyment!



Jonathan Libov

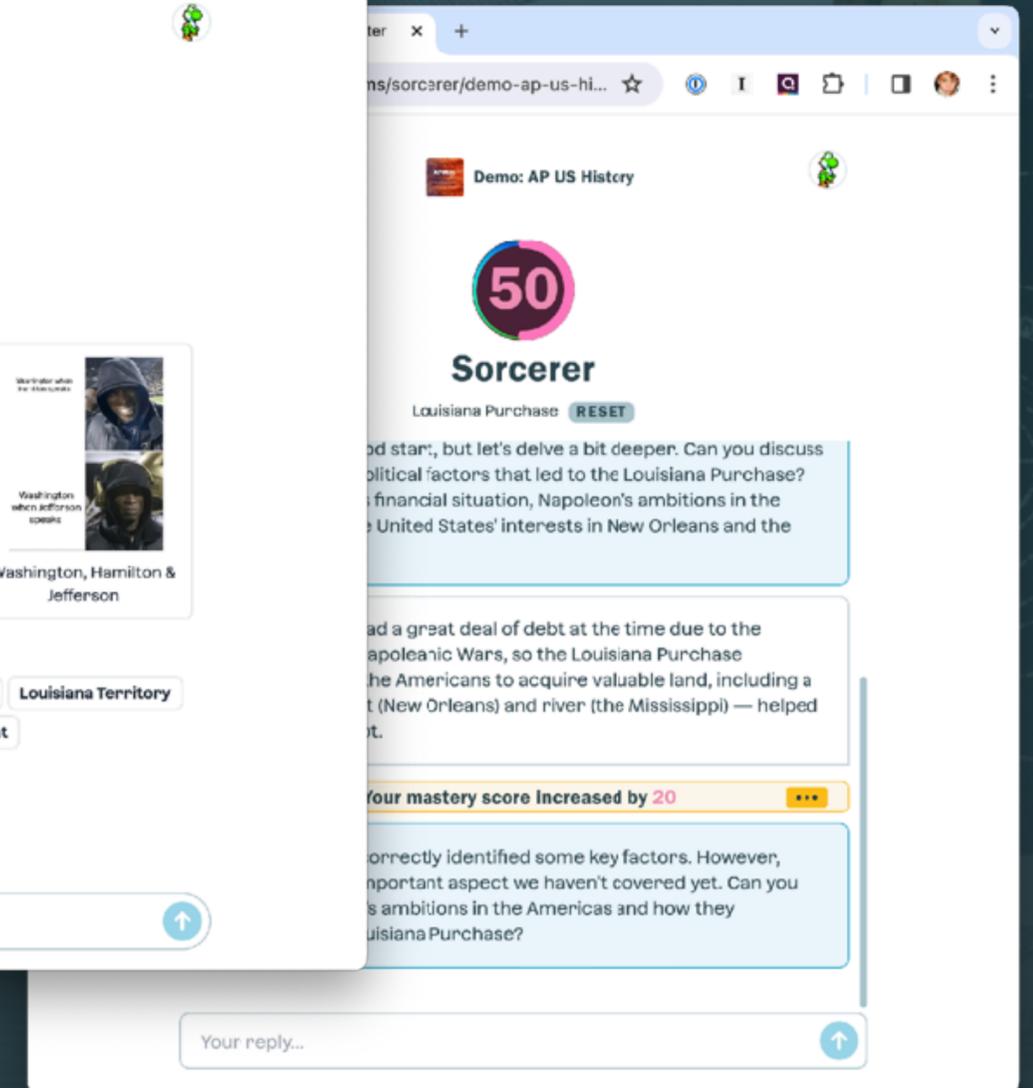
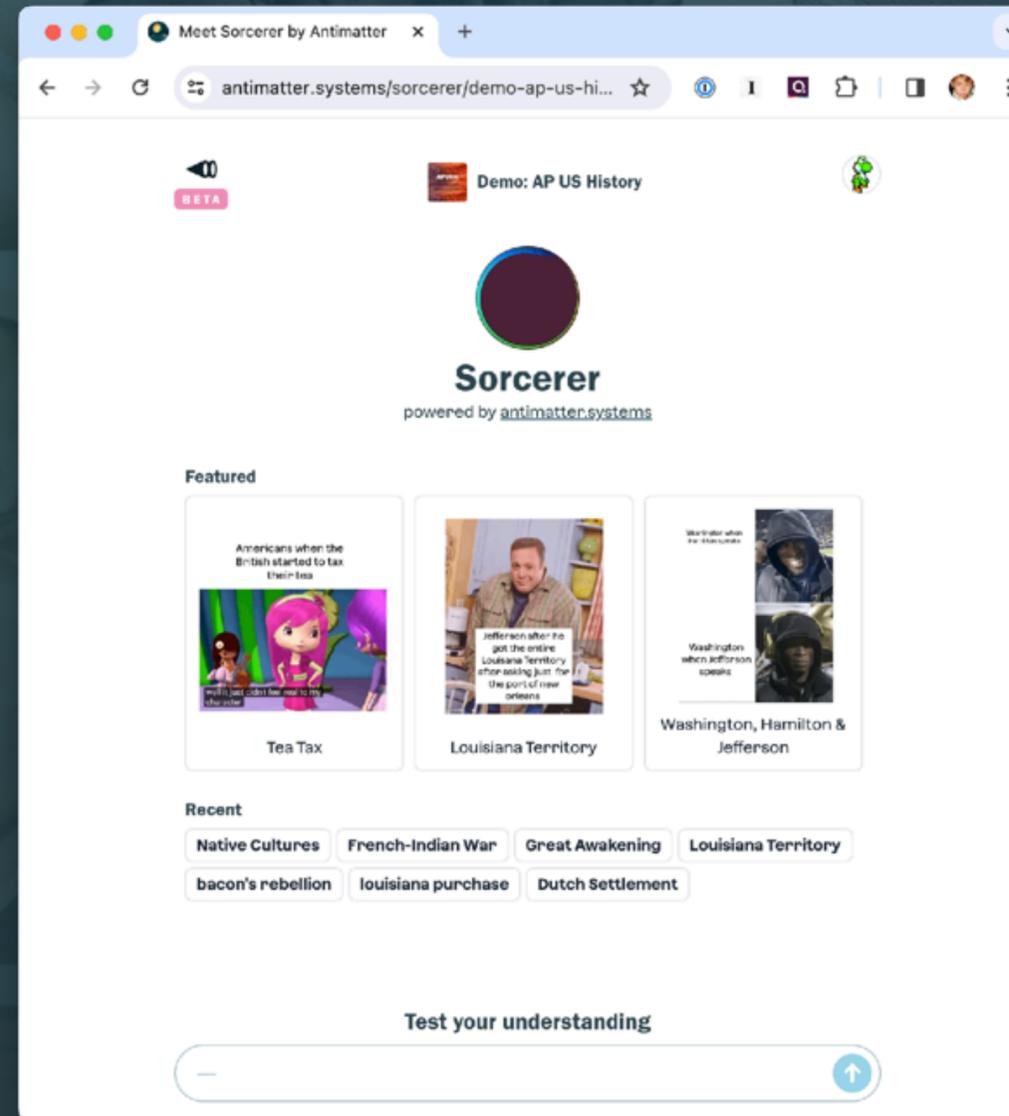
Founder & CEO of Antimatter



Sorcerer Overview

Why teachers love it

Think of Sorcerer as an instructional coach that you can tailor to what you're teaching and tune to each of your students





Sorcerer Overview

How to use it as a teacher



Sorcerer

Select the topics you want to be covered in your Sorcerer

- Native Cultures (High School)
- French-Indian War (High School)
- Great Awakening (High School)
- European Settlement (Undergraduate)
- Spain's Reconquest (Undergraduate)
- Louisiana Purchase (Undergraduate)
- Dutch Settlement (High School)
- Tea Tax (High School)
- French-Indian War (Undergraduate)
- Coroner's (Undergraduate)
- Jamestown (High School)
- Washington, Hamilton & Jefferson (Undergraduate)
- Spanish Conquest (High School)
- Spain's Reconquest (High School)
- French Exploration (High School)
- Tea Tax (Undergraduate)
- Sugar & Stamp Act (High School)

Enter topics individually or as a comma-separated list

Setup & Edit

Set up a Sorcerer for each class you teach

Demo: AP US History

Sorcerer
powered by antimatter systems

Demo: AP US History Chats

Now viewing all the chats across all the Sorcerers where you're the admin. [View your own chats.](#)

USER	TOPIC	DATE	TIME SPENT	SCORE
Ibowness Jonahar Libov	louisiana purchase	16 minutes ago	3m 37s	50
ngerova	louisiana purchase	10d ago	30s	20
Ibafess KateBuyess	French-Indian War	21d ago	1m 29s	10
Ibowness2 Jonahar Libov	Tea Tax	21d ago	0s	0
Jacquelynnyakira Jacquelyn Halpern	Tea Tax	1 month ago	10m 36s	40
Kelsatech	Tea tax	1 month ago	1m 11s	30

View student activity

View all of your students responses to the questions asked by Sorcerer, along with the scores they received

Your mastery score increased by 30

Insights

The student's response is partially correct but lacks depth and detail. They correctly identified that the United States had only settled a portion of its current land and that European powers, including France, were interested in this territory.

Understanding

Response

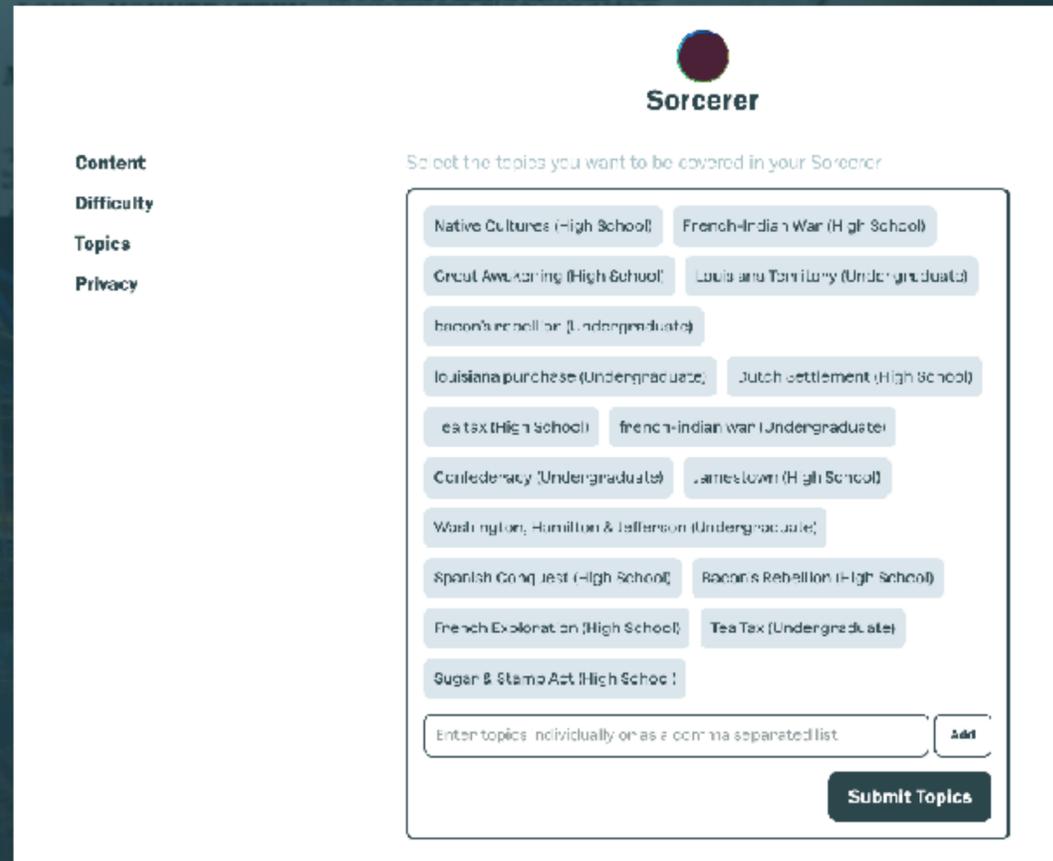
Insights

View insights from Sorcerer into the merits of your students' responses

Sorcerer Overview

How to use it as a teacher: Setup & Edit

Everything you can configure in Sorcerer



The screenshot shows the Sorcerer setup interface. At the top, there is a red circular logo with the word "Sorcerer" below it. The main heading is "Select the topics you want to be covered in your Sorcerer". Below this, there is a grid of topic buttons with their respective difficulty levels in parentheses. The topics include: Native Cultures (High School), French-Indian War (High School), Great Awakening (High School), Louisiana Territory (Undergraduate), Bacon's Rebellion (Undergraduate), Louisiana Purchase (Undergraduate), Dutch Settlement (High School), Tea Tax (High School), French-Indian War (Undergraduate), Confederacy (Undergraduate), James Oglethorpe (High School), Washington, Hamilton & Jefferson (Undergraduate), Spanish Conquest (High School), Bacon's Rebellion (High School), French Exploration (High School), Tea Tax (Undergraduate), and Sugar & Stamp Act (High School). At the bottom, there is a text input field for "Enter topics individually or as a comma-separated list" with an "Add" button, and a "Submit Topics" button.

Setup & Edit

General

- Rename your Sorcerer
- Delete your Sorcerer

Content

- Upload puzzling media (memes, charts, maps) that students can be asked about
- An icon or avatar for your Sorcerer

Difficulty

- Set it to one of five difficulty levels:
 1. Middle School
 2. High School
 3. University
 4. Master's
 5. PhD

Topics

- Select the topics that pertain to the current unit
- Choose whether to restrict Sorcerer chats to these topics and related topics

Privacy

- Set whether anyone can access your Sorcerer or whether it requires an invite link

Sorcerer Overview

How to use it as a teacher: View student activity

Demo: AP US History

Sorcerer
powered by antimatter.systems

Demo: AP US History Chats
Now viewing all the chats across all the Sorcerers where you're the admin. [View your own chats.](#)

USER	TOPIC	DATE	TIME SPENT	SCORE
libovness Jonathan Libov	louis ana purchase	16 minutes ago	3m 37s	50
ngenova	louis ana purchase	20d ago	30s	20
kbayless Kate Bayless	French-Indian War	21d ago	1m 29s	10
libovness2 Jonathan Libov	Tea Tax	21d ago	0s	0
jacquelynyakina Jacquelyn Halpern	Tea Tax	a month ago	10m 36s	40
Kclsotcch Brenda Sampson	Tea tax	a month ago	1m 11s	30

A complete log of all chats and activity by students in your Sorcerer

View student activity

Sorcerer Overview

How to use it as a teacher: Insights

You get access to all the same insights into student responses that students can see

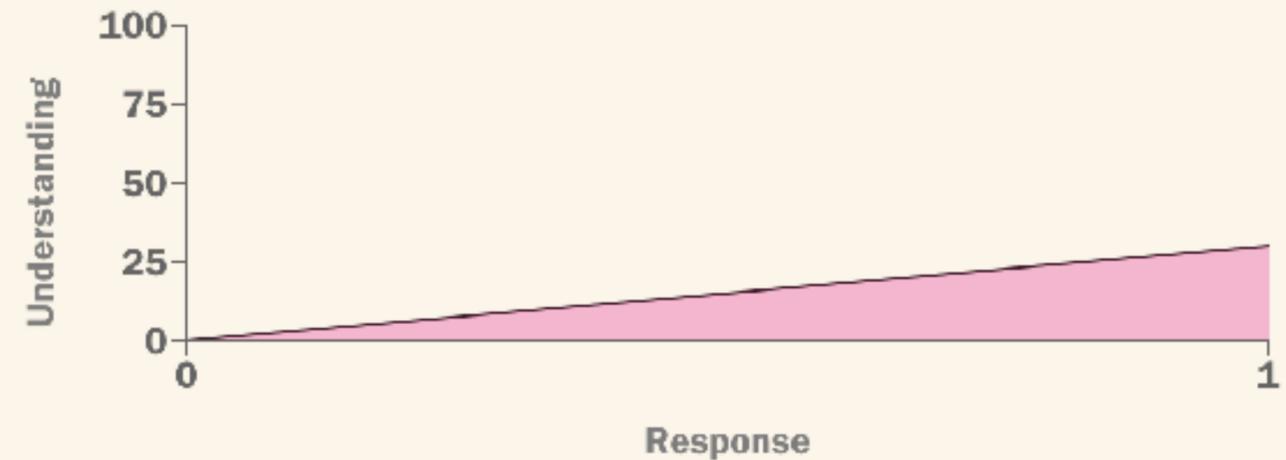


Your mastery score increased by 30



Insights

The student's response is partially correct but lacks depth and detail. They correctly identified that the United States had only settled a portion of its current land and that European powers, including France, were interested in this territory.



Insights

Sorcerer Overview

Why students love it

Students already know that ChatGPT is a good resource but it isn't learning

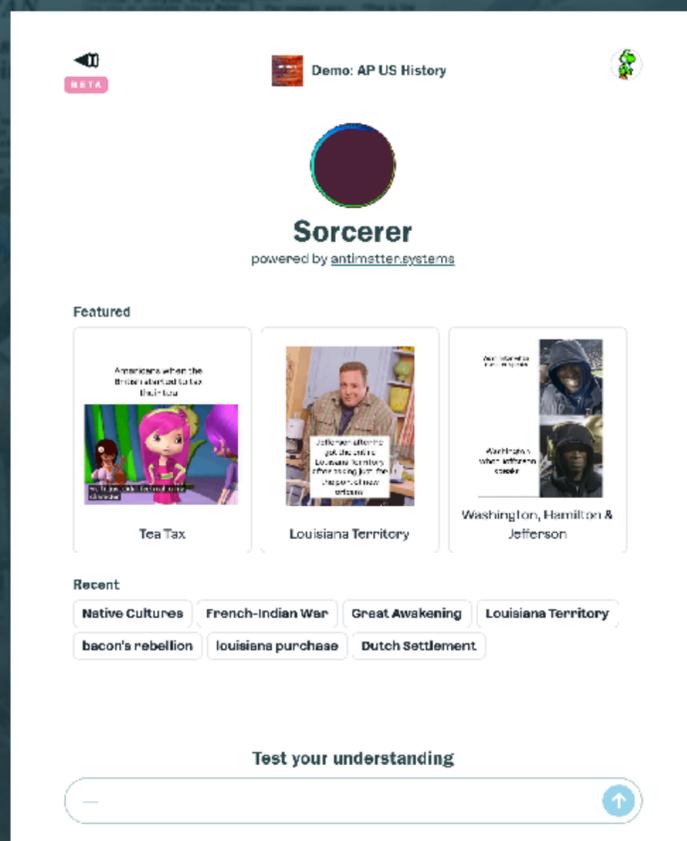
They love Sorcerer because it helps them improve their understanding

The screenshot shows the main interface of the Sorcerer application. At the top, there's a navigation bar with a home icon, a 'Demo: AP US History' title, and a user profile icon. Below this is a large circular progress indicator. The main content area is titled 'Sorcerer' and 'powered by antimatter.systems'. Underneath, there's a 'Featured' section with three topic cards: 'Tea Tax' (with a cartoon illustration), 'Louisiana Territory' (with a photo of a man), and 'Washington, Hamilton & Jefferson' (with a photo of a man). Below the featured section is a 'Recent' section with several topic tags: 'Native Cultures', 'French-Indian War', 'Great Awakening', 'Louisiana Territory', 'bacon's rebellion', 'louisiana purchase', and 'Dutch Settlement'. At the bottom of the interface is a 'Test your understanding' button and a text input field.

This screenshot shows a detailed view of the 'Louisiana Purchase' topic. At the top, it displays a '50' mastery score in a pink circle, the title 'Sorcerer', and the topic name 'Louisiana Purchase' with a 'RESET' button. Below this is a text box containing a question: '...good start, but let's delve a bit deeper. Can you discuss political factors that led to the Louisiana Purchase? ...e's financial situation, Napoleon's ambitions in the ...the United States' interests in New Orleans and the ...'. Below the question is a feedback message: '...e had a great deal of debt at the time due to the ...e Napoleonic Wars, so the Louisiana Purchase ...y the Americans to acquire valuable land, including a ...ort (New Orleans) and river (the Mississippi) — helped ...debt. ...e correctly identified some key factors. However, ...important aspect we haven't covered yet. Can you ...on's ambitions in the Americas and how they ...Louisiana Purchase?'. At the bottom, there's a 'Your mastery score increased by 20' notification and a 'Your reply...' text input field with a submit button.

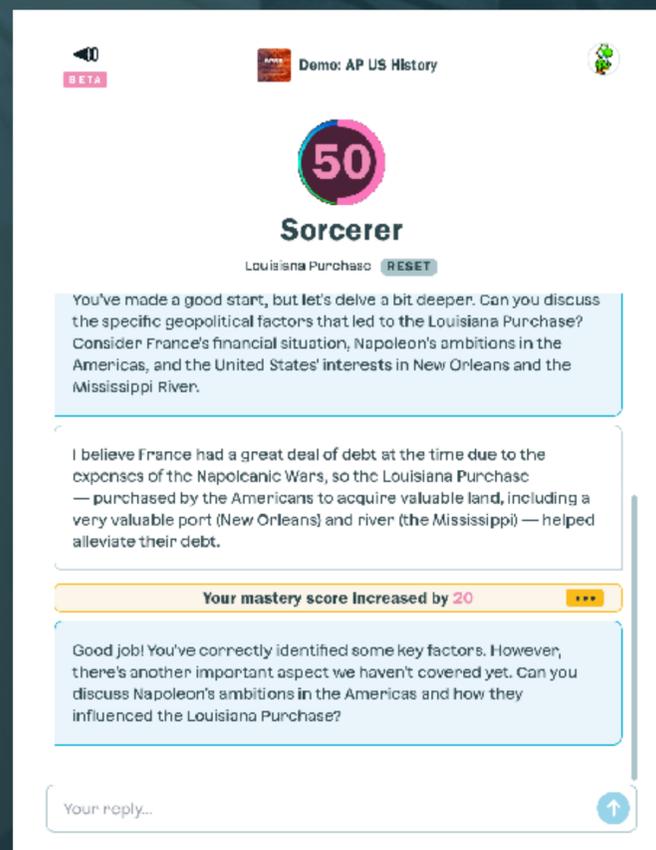
Sorcerer Overview

How to use it as a student



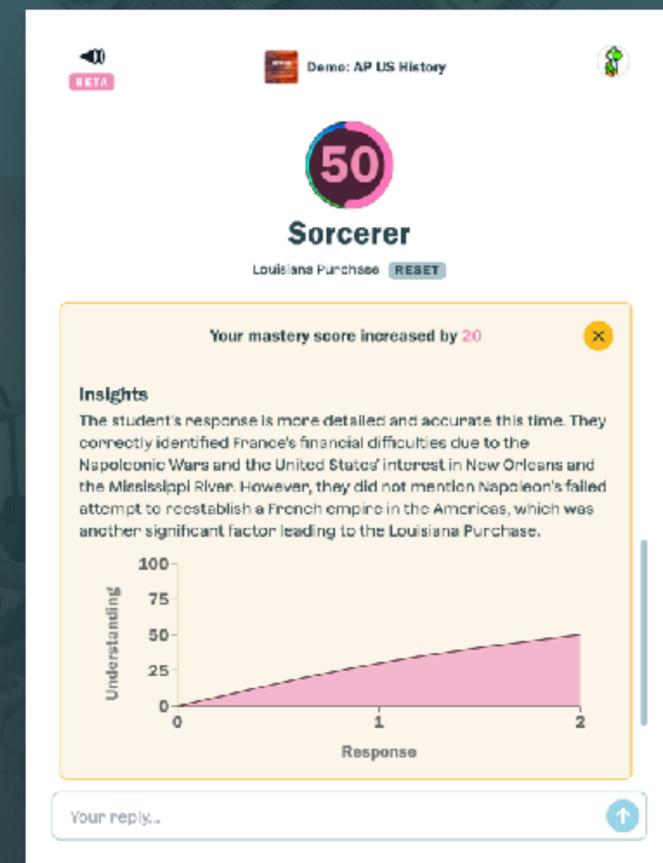
Landing page

Students begin on a simple landing page that you set up for them



Question & Answer

Students are asked responsive, differentiated questions on topics you've selected

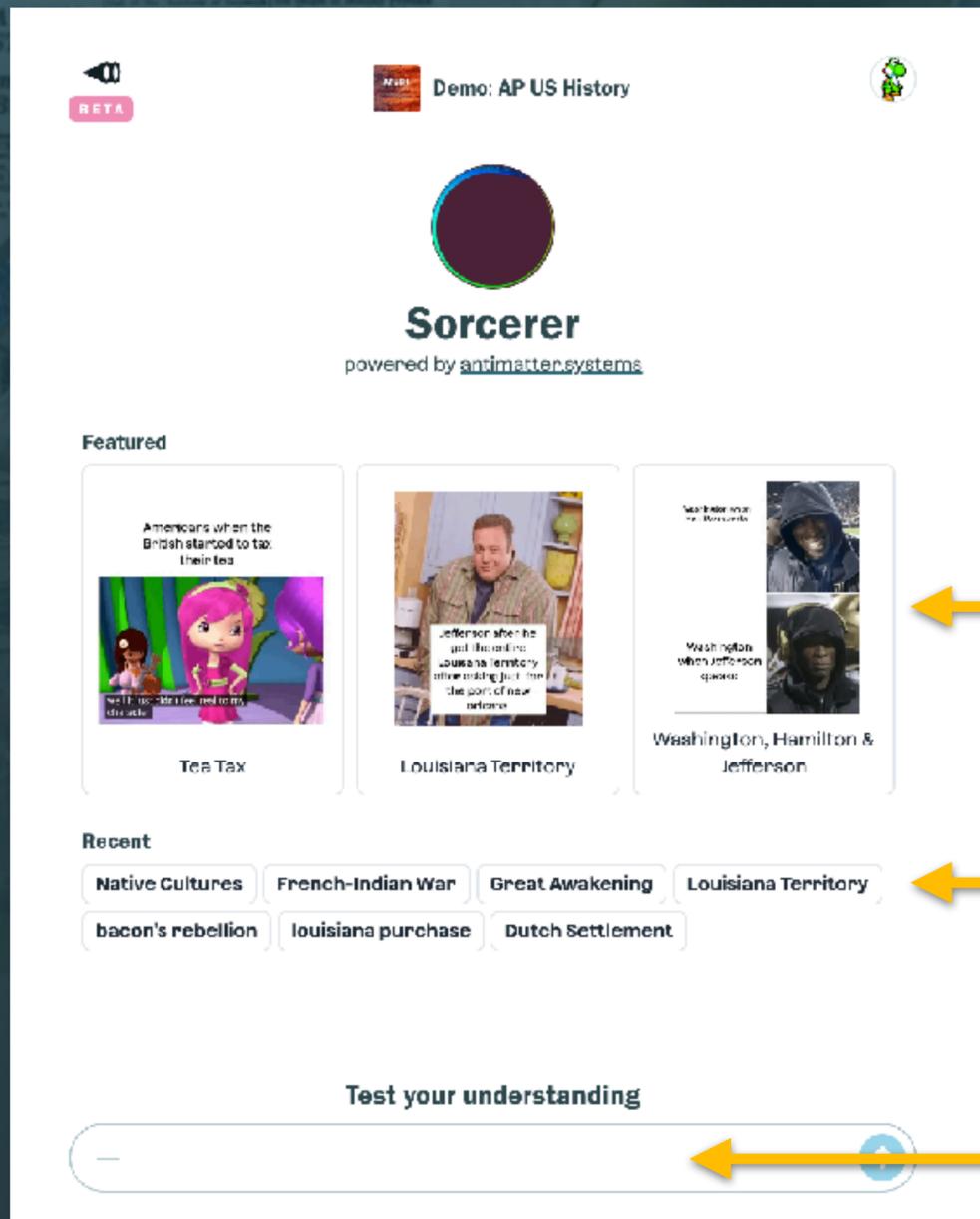


Insights

Sorcerer provides insights on how students can improve their responses

Sorcerer Overview

Three ways to start a chat with Sorcerer



1. Puzzling media like memes, charts, or maps (optional, selected by you, the teacher)

2. Key topics selected by you, along with topics recently explored by students in the Sorcerer group

3. Open-ended inquiry (that you can restrict by topic relevance)

Sorcerer Overview

How to use it as a student: Question & Answer

The screenshot shows the Sorcerer interface for a 'Demo: AP US History' session. At the top left is a 'BETA' badge. The current mastery score is 50, displayed in a circular progress indicator. Below the score, the topic 'Louisiana Purchase' is shown. A question is displayed in a light blue box: 'You've made a good start, but let's delve a bit deeper. Can you discuss the specific geopolitical factors that led to the Louisiana Purchase? Consider France's financial situation, Napoleon's ambitions in the Americas, and the United States' interests in New Orleans and the Mississippi River.' Below the question, the student's response is shown: 'I believe France had a great deal of debt at the time due to the expenses of the Napoleonic Wars, so the Louisiana Purchase — purchased by the Americans to acquire valuable land, including a very valuable port (New Orleans) and river (the Mississippi) — helped alleviate their debt.' At the bottom, a yellow banner indicates 'Your mastery score increased by 20'.

A 1-100 score for student responses (on a scale of difficulty level set by you, Middle School through PhD)

Questions asked by Sorcerer. Questions are encouraging, helpful, and differentiated to the students' responses.

The topic the student is being assessed on

Student response

+/- for the score per response, with insights (see following slide)

(All viewable by you)

Sorcerer Overview

How to use it as a student: Insights

Insights are provided with every response provided by a student

Every insight addresses the accuracy and completeness of the response along with notes on how the response could have been improved.

The insight also serves as an explanation for the increase or decrease in the score.

(All viewable by you)

The screenshot shows a web browser window with the URL `antimatter.systems/sorcerer/demo-ap-us-hi...`. A notification at the top right says "Your mastery score increased by 20". Below it is an "Insights" card with a close button. The insight text reads: "The student's response is more detailed and accurate this time. They correctly identified France's financial difficulties due to the Napoleonic Wars and the United States' interest in New Orleans and the Mississippi River. However, they did not mention Napoleon's failed attempt to reestablish a French empire in the Americas, which was another significant factor leading to the Louisiana Purchase." Below the text is a line graph showing "Understanding" on the y-axis (0 to 100) and "Response" on the x-axis (0 to 2). The graph shows a pink shaded area under a line that starts at (0,0) and rises to (2,50).

Differentiated

For every learner on every topic *in that moment*

Beginner student

Chat

🔊 Demo: Schrödinger's Cat ⚙️

BETA

30

Sorcerer
Schrödinger's Cat **RESET**

I know that quantum mechanics is the study of things smaller than an atom, but I'm not sure what 'superposition' refers to.

Your mastery score increased by 20

That's a good start! Quantum mechanics does indeed deal with particles smaller than atoms. The concept of superposition, however, is a bit more specific. It refers to the idea that a particle can be in multiple states at once until it is observed or measured. This is a fundamental concept in the Schrödinger's cat thought experiment. Can you now try to explain what you understand by the Schrödinger's cat thought experiment?

Insights

🔊 Demo: Schrödinger's Cat ⚙️

BETA

30

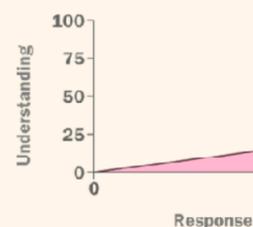
Sorcerer
Schrödinger's Cat **RESET**

I know that quantum mechanics is the study of things smaller than an atom, but I'm not sure what 'superposition' refers to.

Your mastery score increased by 20

Insights

The student has a basic understanding of what quantum mechanics is, but they are not familiar with the concept of superposition. This is a key aspect of understanding Schrödinger's cat thought experiment, so it's important that they grasp this concept.



That's a good start! Quantum mechanics does

Your reply...

Advanced student

Chat

🔊 Demo: Schrödinger's Cat ⚙️

BETA

70

Sorcerer
Schrödinger's Cat

Let's start with what quantum mechanics means.

Let's move on to the next sub-topic. Can you explain the concept of Schrödinger's cat and how it relates to quantum mechanics?

Schrödinger's cat is a thought experiment introduced by Erwin Schrödinger to illustrate

Your reply...

Insights

🔊 Demo: Schrödinger's Cat ⚙️

BETA

70

Quantum mechanics is the study of subatomic particles. 'Superposition' refers to the phenomenon wherein a subatomic particle may be measured to be in one position or another, which defies the deterministic nature of atomic particles. A key component of 'superposition' is that the position of a subatomic particle changes according to whether it is being observed.

Your mastery score increased by 50

Let's move on to the next sub-topic. Can you explain the concept of Schrödinger's cat and how it relates to quantum mechanics?

Can you explain the paradox presented by

Your reply...

Teacher Feedback

"My students LOVED it...They really enjoyed the deeper questioning. We came to the conclusion it was great practice for Short Answer Questions (SAQ's) that are on the APUSH Exam, but it was also good for remembering key terms and working on writing further on a specific topic for essays."

- Matthew Morales, AP US History teacher

"My hopes are that AI will finally help teachers attain what we've been struggling to do since public education began in the US: personalize content. I love that [Sorcerer] first assesses where the student is and then prompts them to improve on that."

- Christie Cloud, Middle School Social Studies teacher



How to get involved

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Privacy & Security

We are built on a thoroughly modern technology stack that ensures privacy, security, and ease of deletion when necessary

We don't collect any PII beyond student names that are passed when using Google Auth or other OAuth

We don't share any data with third parties—including AI providers—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 <https://antimatter.systems/termsofservice>

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