

# FOUNDATION *for* ECONOMIC EDUCATION

— EST. 1946 —



Joel Miller

Joel Miller was a public educator for 14 years before joining FEE. He was awarded the 2020 John Morton Excellence in the Teaching of Economics Award by the Council for Economic Education.

He enjoys being an active instructional leader in the economics teaching community. Joel aims to help young people learn economic reasoning and the timeless principles of liberty through development of FEE's Educational Programs and Teaching Resources.

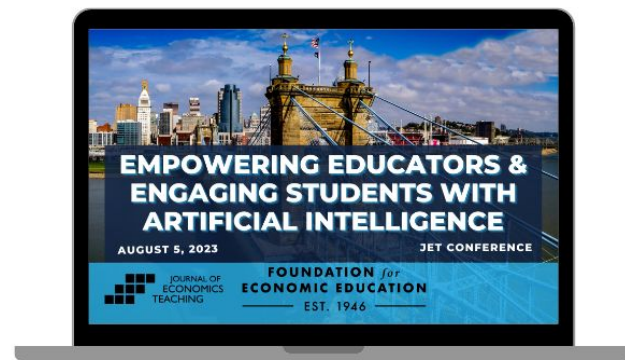
***Curriculum Development Manager***

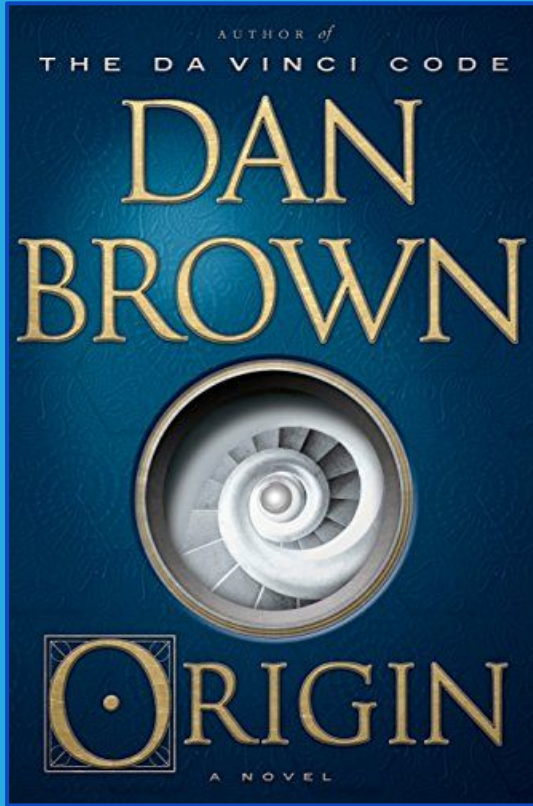
***ATLANTA, GA***

**Twitter (X?): @mrjoelmiller**

**[jmiller@fee.org](mailto:jmiller@fee.org)**

# AI Instructional Tool Demos





**"Technology is neither good nor bad; nor is it neutral. The consequences of any technology depend on how it is used and who uses it."**

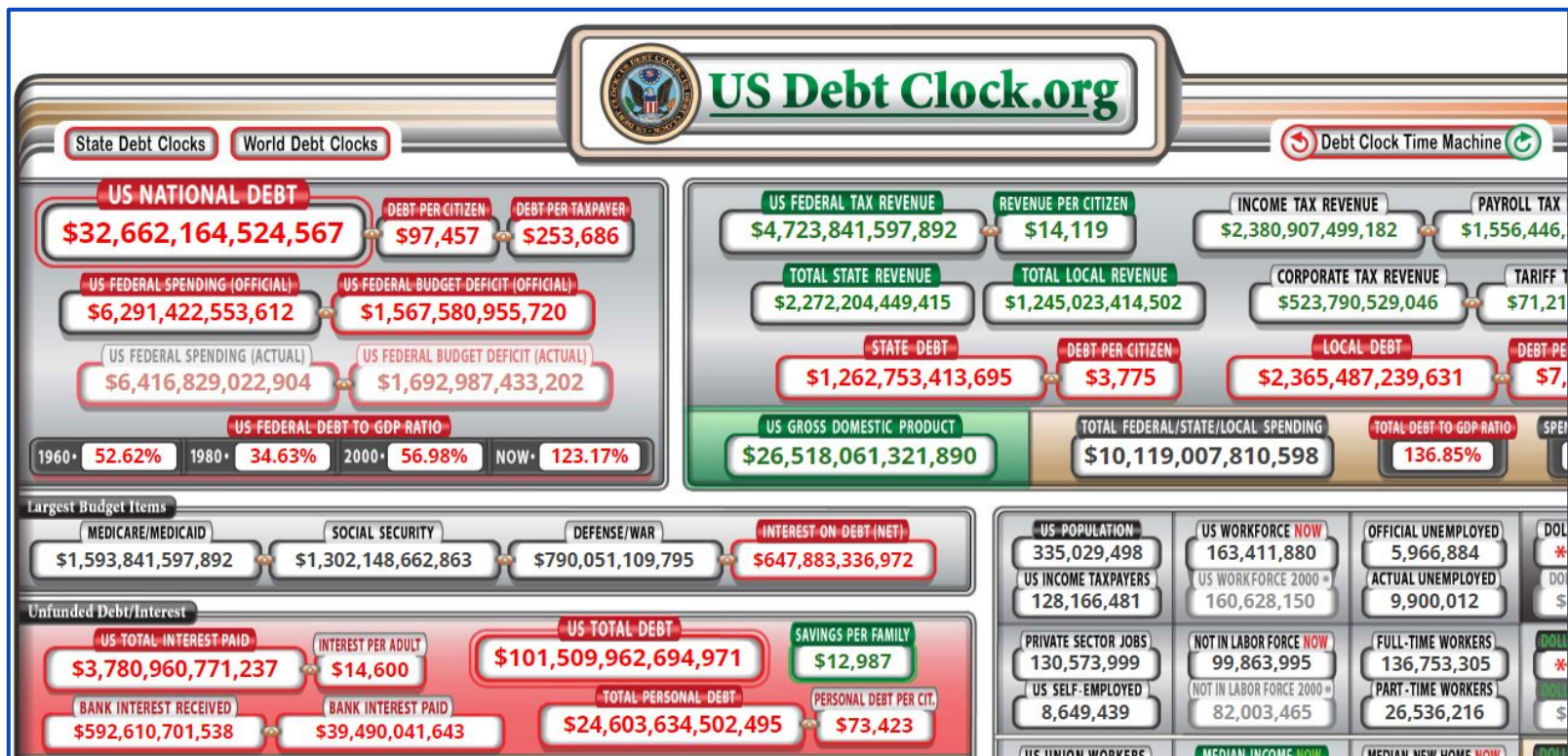
-Robert Langdon  
(protagonist, *Origin*)



Is this the end,  
or the  
beginning?



# Can AI Improve Allocation?





# The Educator's Economic Dilemma



Dan Fitzpatrick ✓  
 @DanFitzTweets

AI is already dramatically reducing teachers' workload.

As a teacher which tasks are most likely to eat into your own personal time?

If it's something else please comment.



250 votes · Final results

10:48 AM · Jan 7, 2023 · 2,736 Views

batteries, to be able to give  
 their all to the next class.

# THE STATE OF LLMS (summer 2023)

MODEL	RUNS CODE	SEE IMAGES	READS FILES	INTERNET CONNECTION	PERSONALITY	WHAT IS IT	WHEN TO USE IT
ChatGPT/ GPT-3.5				No	Neutral, bland	This is the free version of ChatGPT that came out in November. It is very fast and pretty solid at writing and coding tasks.	It is fast and cheap and capable, but other models are now better. Also, It is not connected to the internet, so don't use it like a search engine.
ChatGPT/ GPT-4		Soon		No	Helpful, a little preachy	Currently available to paying customers. The most powerful LLM for most purposes. Does a lot.	Better at everything (writing, coding, summarizing) than GPT-3.5 Still not connected to the internet.
ChatGPT/ Code Interpreter/ Plugins	Yes		Yes	Limited	Helpful sometimes witty	Adds new capabilities to ChatGPT. Plugins and web browsing still have rough edges. Code Interpreter lets the AI run Python code & work with files.	Code Interpreter is great for working with data of all sorts, and is the most generally impressive AI implementation so far. Plugins are generally not that useful, yet. The web browsing is being updated.
Bing (Uses GPT-4 in creative & precise modes)		Yes	Yes	Yes	Friendly but also somewhat insane	Connected to the internet. It is GPT-4 with a grab-bag of powerful features. The weirdest model. Creative mode lets you use GPT-4 and is free.	Does a remarkably wide range of stuff, from working as a browser companion to creating art. Is connected to the internet. Has a strong, weird personality.
Bard	Yes	Yes		Yes	None	Bard is a name for a variety of models used by Google. Current offerings are weak, but improving over time	This should be your last choice of AIs for now, but recent updates show promise. High levels of hallucination.
Claude 2			Yes	No	Pleasant when not scolding	Almost as powerful as GPT-4, but built to be "safer" and more pleasant to use. Has 100k context window - enough "memory" to hold a book.	Terrific on working with large documents, due to its extended context window and ability to upload content. It is very new so it is unclear how it stacks up.



# 20

## ways to use ChatGPT in the classroom



1  
Use it as a more complex source of information than Google.



2  
Use it to provide students access to lots of good examples.



3  
Use it to remix student work.



4  
Ask it for definitions (on a variety of levels).



5  
Ask it for feedback for student work.



6  
Ask it to do some teacher tasks for you.



7  
Add it to the "think pair share" thinking routine.



8  
Grade the bot.



9  
Debate the bot.



10  
Ask the bot for advice.



11  
Use it to summarize texts.



12  
Use it for insight into big, difficult-to-solve problems.



13  
Ask ChatGPT to write your lesson plans.



14  
Anticipate the response you'd expect from AI.



15  
Take several responses and make a better product.



16  
Create personalized learning experiences.



17  
Provide tutoring or coaching.



18  
Generate prompts and questions to facilitate discussions.



19  
Provide information and answer questions.



20  
Supplement in-person instruction.



**DITCH THAT  
TEXTBOOK**

Get an overview of ChatGPT in the classroom at [ditchthattextbook.com/ai](https://ditchthattextbook.com/ai).  
Infographic by Matt Miller (@jmattmiller / DitchThatTextbook.com)



# 4 Buckets for Teachers

01

Differentiating Content

- Simplifying terminology
- Giving cultural examples
- Changing grade levels/reading levels

02

*Resource Creation*

- Test Questions
- Sample Lessons
- Strategies for teaching

03

Student Assignments

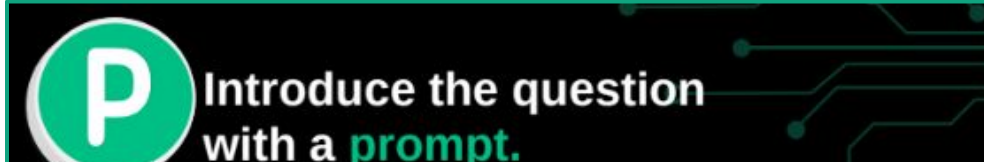
- Students create questions for AI
- Evaluate AI answers
- Create prompts for other students

04

Grading Assistant

- Creation of answer keys
- Rubric-based grading
- Feedback to students

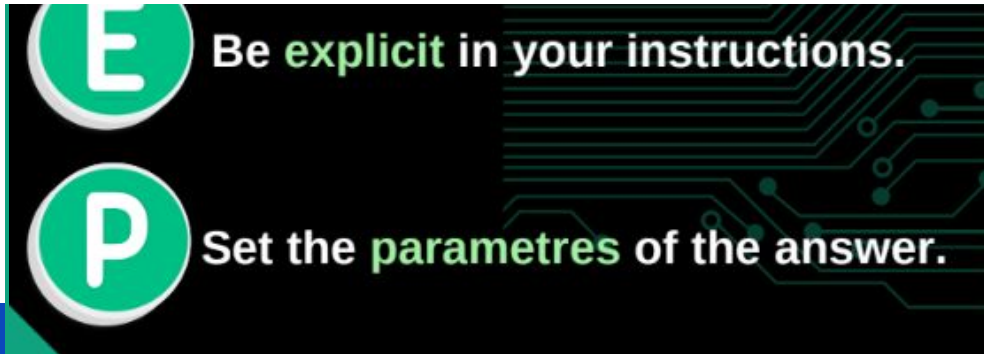
# Before you ask ChatGPT a question you need to: *PREP* THE MACHINE.



Write a biography on Edgar Allan Poe.

Write it in first person in the style of Edgar Allan Poe.

Include his birth, death, and notable works . It should be 100-150 words and use alliteration.



# Here's an example.

## P - Prompt



Answer an exam question

## R - Role

You are a 15-year-old GCSE English student.

## E - Explicit

The question is below. Base your answer on the mark scheme. Write a level 1 answer.

Question:

How does the writer use language here to describe the Hartop family? You could include the writer's choice of:

- words and phrases
- language features and techniques
- sentence forms.

Mark scheme:

Level 4 (7-8 marks):

Shows perceptive and detailed understanding of language:

- Analyses the effects of the writer's choices of language
- Selects a range of judicious textual detail
- Makes sophisticated and accurate use of subject terminology

Level 3 (5-6 marks):

Shows a clear understanding of language:

- Explains clearly the effects of the writer's choices of language
- Selects a range of relevant textual detail
- Makes clear and accurate use of subject terminology

Level 2 (3-4 marks):

Shows some understanding of language:

- Attempts to comment on the effect of language
- Selects some appropriate textual detail
- Makes some use of subject terminology, mainly appropriately

Level 1 (1-2 marks):

Shows simple awareness of language:

- Offers simple comments on the effect of language
- Selects simple reference(s) or textual detail(s)
- Makes simple use of subject terminology, not always appropriately

Write this in around 100 words, with a reading age of 9 years old.

## P - Parameters



The writer uses language to describe the Hartop family by choosing certain words and phrases, using specific language techniques, and forming sentences in a certain way. This helps to give us a picture of what the Hartop family is like. For example, the writer might use words that suggest the family is happy and kind, or they might use words that make the family sound old-fashioned. They might also use language techniques such as repetition or imagery to create a strong impression. The sentences they use might be short and simple, or long and complex. All these things help the writer to describe the Hartop family and make us understand more about them.

## Objectives:

- Understand and implement the PREP model for creating engaging assignments
- Develop assignments that align with economics curriculum learning objectives
- Foster a collaborative environment for idea generation and discussion

[see handout](#)



# Prompt Creation *SEE HANDOUT*

## Activity: Inquiry with PREP – Developing Effective Assignments for Economics Education

### Objective:

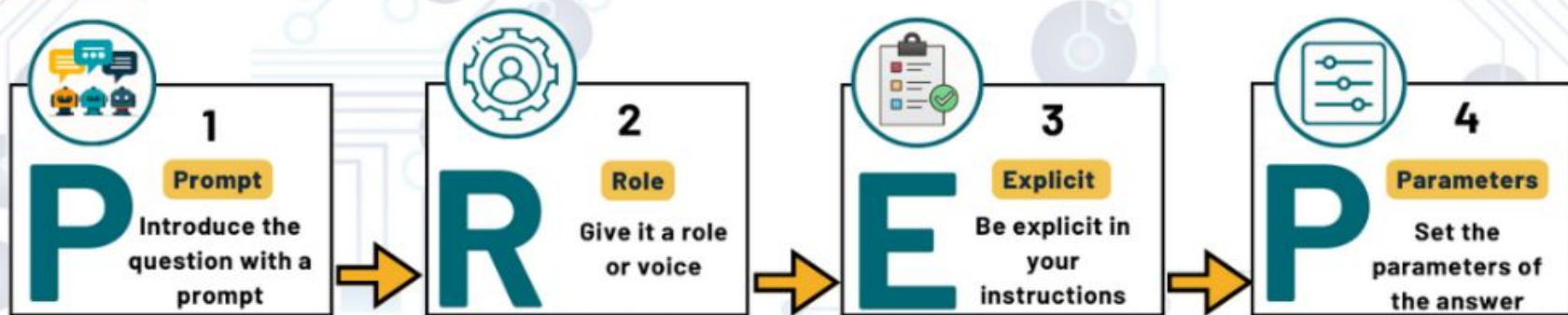
- Understand and implement the PREP model for creating engaging assignments using generative AI.
- Develop assignments or assessments that align with the Mississippi high school economics curriculum standards.

### Georgia Standards of Excellence:

Standard	Objectives
SSEPF4 Explain how interest rates affect various consumer decisions.	<p>a. Compare interest rates on loans and credit cards from different institutions including banks, credit unions, pay-day loan facilities, and title-pawn companies.</p> <p>b. Define annual percentage rate and describe how different interest rates can affect monthly payments on loans.</p> <p>c. Use an online amortization tool to show how payments on a fixed loan like a mortgage are applied to interest and principal.</p> <p>d. Explain the difference between simple and compound interest and the difference between fixed and variable interest. e. Define nominal and real returns and explain how inflation affects interest-earning savings and investment accounts.</p>

# Activity: Economic Inquiry with PREP – Developing Effective Assignments for Economics Education

First, PREP the Machine.



Social Studies Georgia Standards of Excellence

**SSEPF4 Explain how interest rates affect various consumer decisions.**

- Compare interest rates on loans and credit cards from different institutions including banks, credit unions, pay-day loan facilities, and title-pawn companies.
- Define annual percentage rate and describe how different interest rates can affect monthly payments on loans.
- Use an online amortization tool to show how payments on a fixed loan like a mortgage are applied to interest and principal.
- Explain the difference between simple and compound interest and the difference between fixed and variable interest.



## **PREP MODEL**

**PROMPT** (introduce the question with a prompt)

**ROLE** (Give it a role or voice)

**EXPLICIT** (Be explicit in your instructions)

**PARAMETERS** (Set the parameters of the output)



Create a bulleted list of characteristics for the different types of loans and credit listed below.

PROMPT

You are a personal finance coach giving advice to a young adult about how interest rates vary across different loans and types of credit. You are a professional and have some experience coaching young adults between the ages of 14 and 19 as a financial planner.

ROLE

Compare interest rates on loans and credit cards from different institutions including banks, credit unions, pay-day loan facilities, and title-pawn companies. Provide a bulleted list of common characteristics and concerns with each of the aforementioned sources of credit, and how the interest rates charged (APR) affect consumer decisions. Generate up to 10

EXPLICIT INSTR

bulleted statements for each type loan or credit source listed in this prompt.

PARAMETERS

⚡ GPT-3.5

✦ GPT-4

ChatGPT PLUS



## Title-Pawn Companies

- Title-pawn companies provide loans that are secured by the title of your vehicle.
- These loans typically have high interest rates, often exceeding 100% APR.
- If you cannot repay the loan, the lender can take your vehicle.
- These loans are typically for a 30-day term, with the option to renew for an additional fee.
- As with payday loans, lenders do not usually check your credit score.
- The loan amount is based on the value of your vehicle.
- Title loans should be a last resort due to the risk of losing your vehicle and the high cost of borrowing.
- Some states have laws limiting the amount you can borrow or the interest rate that can be charged.
- Consumers should be aware of all terms and conditions before taking out a title loan.
- Repaying the loan early can often reduce the total cost, but some lenders may charge a penalty for early repayment.
- longer term but at similarly high rates.
- Credit unions often offer personal service, which can help borrowers understand the full cost of a loan.



# Reflect

I used to think...  
but now I think...



# Sorting it Out: Priorities for Your Practice

*(Using the PREP Method)*



Foundation *for*  
Economic Education

EST. 1946



# 1. Grade Student Work



ChatGPT

***Prompt- Grade this student's work and explain your grade.***

*Role- You are an economist who specialised in post-World War 2 fiscal policy in the U.S.*

***Explicit- Familiarise yourself with the question and answer, then link your grade to the rubric provided.***

*Parameters- Write this in 200 words. Use headings and bullet points.*

*Paste your exam question:*

*Paste your rubric:*

*Paste your student's answer:*

## 2. Provide Formative Feedback



ChatGPT

***Prompt- You are a teacher who provides outstanding feedback to your students, that helps them to improve.***

Role- Provide feedback on the student's work. Include:

**Explicit-**

- **The most impressive part of their answer**

- **How they can improve to a level 4**

**Use short and impactful sentences.**

*Break down complex ideas, so they are clear and easy to understand.*

# 3. Model Answers



ChatGPT

## ***Write a model answer.***

You are a Level-4 AP Macroeconomics student who knows the rubric very well and always gets top marks.

## ***Write a level 4 model answer for this exam question based on the rubric.***

*Also, create a 'fill the blanks' task out of this answer. Blank out only key words. Also, write a level 1 answer. Use excellent vocabulary and provide evidence to back up your answers. Make your evaluations thorough and insightful.*

Grading Rubric	Poor (1-2 pts each)	Unsatisfactory (3-4 pts each)	Satisfactory (5-6 pts each)	Excellent (7-8 pts each)
Graphs	<ul style="list-style-type: none"><li>Many graphs are missing.</li><li>Graphs are confusing.</li></ul>	<ul style="list-style-type: none"><li>Most graphs are included.</li><li>Graphs are somewhat clear.</li></ul>	<ul style="list-style-type: none"><li>All graphs are included.</li><li>Graphs are mostly clear and organized.</li></ul>	<ul style="list-style-type: none"><li>All key graphs included.</li><li>Graphs are clear and organized.</li><li>Graphs are presented creatively.</li></ul>
Key Terms	<ul style="list-style-type: none"><li>Many key terms are missing.</li><li>Many terms are incorrectly defined or not at all defined.</li></ul>	<ul style="list-style-type: none"><li>Most key terms are included.</li><li>Some key terms are vaguely defined.</li></ul>	<ul style="list-style-type: none"><li>All key terms are included.</li><li>Most key terms are correctly defined.</li></ul>	<ul style="list-style-type: none"><li>All key terms are included and correctly defined.</li><li>Terms are organized in presentation with the relevant graphs.</li></ul>
Labeling	<ul style="list-style-type: none"><li>Many curves and axes are missing labels or have incorrect labels.</li></ul>	<ul style="list-style-type: none"><li>Some graphs are missing.</li><li>Labelled axes and curves are incorrectly labeled.</li></ul>	<ul style="list-style-type: none"><li>All graphs are labeled.</li><li>Few graphs have incorrect labels.</li></ul>	<ul style="list-style-type: none"><li>All axes and curves are clearly and correctly labeled.</li></ul>
Skills	<ul style="list-style-type: none"><li>Many examples of skills are missing from presentation.</li></ul>	<ul style="list-style-type: none"><li>Some examples of common skills are missing from presentation.</li></ul>	<ul style="list-style-type: none"><li>Most examples of common skills are included.</li></ul>	<ul style="list-style-type: none"><li>All examples of common skills are included and are clearly demonstrated.</li></ul>

## 4. Exam Prep How-to-Guide



ChatGPT

### ***Create a how-to guide.***

You are an experienced Economics instructor who creates impactful resources for high school students. You write how-to guides that are easily understandable, contain short and punchy sentences and turn complex ideas into simple ones.

*Paste your question:*

*Paste your rubric:*

*Create a 3 step how-to guide on how to answer this question in a closed exam setting, where you can't research.*

**Use headings, subheadings and bullet points.**

# 5. Write a Lesson Plan



ChatGPT

***Create a lesson plan.***

You are an expert on pedagogy. Create it for a 9th grade economics lesson.

**This lesson introduces students to scarcity.**

*Make it an engaging and informative lesson. Write your answers in headings, subheadings and bullet points.*



## 6. Create Questions



ChatGPT

***Create a set of questions for students.***

You are an expert in learning theory, specialising in retrieval practice. You are also an experienced economics teacher.

**Create a series of questions for a class of 12th grade students on the concept of changes in supply and demand which impact an equilibrium price.**

*Also, include tasks such as:*

*Plan these out over two weeks. Only Monday to Friday.*

# 7. Create a Lesson Booklet (Guided Notes)



ChatGPT

## ***Create guided notes.***

You are an expert in macroeconomics, who is renowned for your ability to simplify complex macroeconomic indicators like GDP, CPI, and Unemployment into understandable information for 13-year-olds.

## **Create it for a high school economics class.**

*Include:*

- *4 paragraphs of writing*
- *A multiple-choice hinge question after each paragraph*
- *Questions at the end based on Bloom's taxonomy level two or three*

# 8. Feedback for Student Progress Report



ChatGPT

***Create a report for a student.***

You are a teacher who is outstanding at writing students' reports. You synthesise student grades and effort and give a clear picture of how students are progressing.

**You write in short sentences, that are easily understandable.**

*Paste student's grades:*

*Paste the students' effort ratings:*

*Here are a few bullet points of information about the student:*

## 9. Unit Summaries (student/guardian use)



ChatGPT

***Write a unit summary.***

You are an outstanding personal assistant who can create professional documents. You have the ability to write clear and punchy sentences, that deliver impact.

**Create a curriculum intent document for my year 8 music class.**

*Explain why we teach this content and how it links to careers and growing emotional intelligence.*

*Base it on the content standards outlined below.*

*Paste content:*

# 10. Note to Parents



ChatGPT

***Create notes for a parent and student meeting.***

You are an expert at analysing student data and providing clear, insightful notes about a student's progress. Format your answer, using headings, subheadings and bullet points.

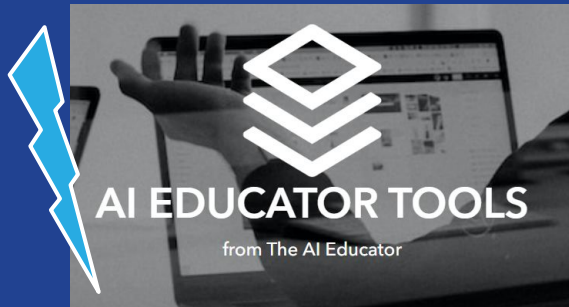
***Create notes on a student's progress.***

*Paste the student's grades:*

*Paste the student's effort ratings:*

*Here are a few bullet points of information about the student:*

# AI Instructional Tool Sites



**BLOG for Educators**

<https://aieducator.tools/>

*"The AI Classroom" Facebook  
group*



**ONEUSEFULTHING.org**

simplifying educational  
research (often AI topics)

Q What are you looking for?

Made for Educat... Badges Category Pricing Model Default order

**5 Minute Lesson Plan**

Easy peasy, lesson squeeze. The simple online tool that creates engaging lesson plans in 5 minutes flat. Whether you take our artificial intelligence (AI) path or choose to craft it yourself, we've got you covered. Your lesson. Your choice. Fancy a go?

Sponsored Lesson Creator Productivity Freemium

Find out more

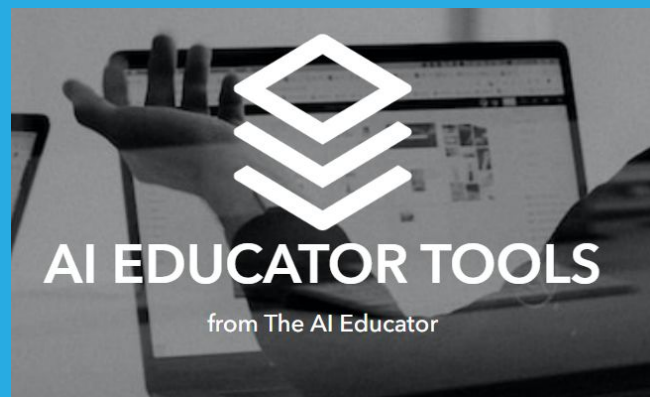
Go to the tool



# AI Educator Tools

Find out more

Go to the tool



## AI Educator Newsletter

- Global leader in educational AI tools

## AI Classroom Book

- Perhaps not the best way to follow the latest in AI-Ed tools ;)

## ChatGPT Survival kit for teachers

- What's something troubling you heard?

# One Useful Thing: Roles for AI in learning



**Ethan Mollick**

I am a professor at the Wharton School of the University of Pennsylvania. I study entrepreneurship & innovation, as well as how we can better learn and teach.



AI USE	ROLE	PEDAGOGICAL BENEFIT	PEDAGOGICAL RISK
<b>MENTOR</b>	Providing feedback	Frequent feedback improves learning outcomes, even if all advice is not taken.	Not critically examining feedback, which may contain errors.
<b>TUTOR</b>	Direct instruction	Personalized direct instruction is very effective.	Uneven knowledge base of AI. Serious confabulation risks.
<b>COACH</b>	Prompt metacognition	Opportunities for reflection and regulation, which improve learning outcomes.	Tone or style of coaching may not match student. Risks of incorrect advice.
<b>TEAMMATE</b>	Increase team performance	Provide alternate viewpoints, help learning teams function better.	Confabulation and errors. "Personality" conflicts with other team members.
<b>STUDENT</b>	Receive explanations	Teaching others is a powerful learning technique.	Confabulation and argumentation may derail the benefits of teaching.
<b>SIMULATOR</b>	Deliberate practice	Practicing and applying knowledge aids transfer.	Inappropriate fidelity.
<b>TOOL</b>	Accomplish tasks	Helps students accomplish more within the same time frame.	Outsourcing thinking, rather than work.

# AI Instructional Tool Sites



[alicekeeler.com](https://alicekeeler.com)

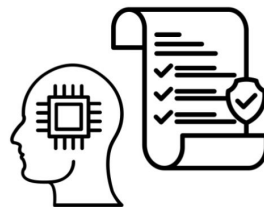
focuses on developing prompt  
development skills



## DITCH THAT TEXTBOOK

Matt Miller- Educator & Author  
of "AI for Educators"

<https://ditchthattextbook.com/>



Writing  
school AI  
policies? Use  
these 10+  
resources





41. Respond to [paste student free response here]

Follow up with "rewrite in a friendly tone"

42. Provide this student with tips on how to improve their writing [paste student response here]

43. Give personal feedback to student [paste student comment here]

44. Write 50 different feedback comments that are similar to "good job"

45. Can you suggest some specific areas where students have demonstrated strengths and areas for improvement in their work?

46. Can you provide some examples of feedback that effectively encourages students to reflect on their work and make revisions?

47. What are some strategies we can use to make sure that feedback is actionable and helps students set goals for their ongoing learning?

# AI Instructional Tools



Study tool for  
students/teachers



Video edits, voiceovers, and  
“generated” questions



Quiz Creator > Google Form



Educator tools



Presentation generator



YouTube Chat GPT  
Integration



# YouTube Summary



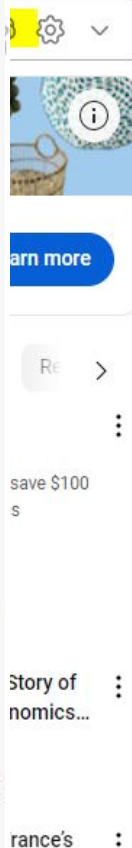
1. Despite recent economic crises, there is reason to be optimistic as global output is significantly higher now than before the pandemic, and the average person is twice as economically prosperous as they were a generation ago.
2. While the world as a single economy is looking better than ever, an emerging trend of more and more individual economies experiencing isolated breakdowns is still threatening the well-being of hundreds of millions of people, mostly in developing economies.
3. Advanced economies have a lot of advantages over developing economies, including reliable sources of foreign income, high standards of living, and the ability to borrow money at lower interest rates.
4. Good infrastructure spending is crucial to any economy, and advanced economies have an advantage in this regard as a lot of their infrastructure is already built.
5. Economic collapses can be caused by a variety of factors, including bad economic decisions, shocks to supply and demand, and unexpected events. Economic failures can be prevented by negotiating debt and seeking assistance from international



Why Nations Fail | E



Economics Expl  
2.2M subscribers





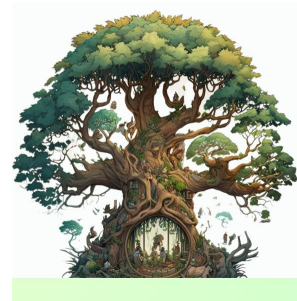
# Auto generated flashcards from any YouTube video, webpage, or PDF

Receive question & answer flashcards in any language to help you remember more from what you consume

**ADD TO CHROME**

Over 1 million flashcards generated to date 🤖

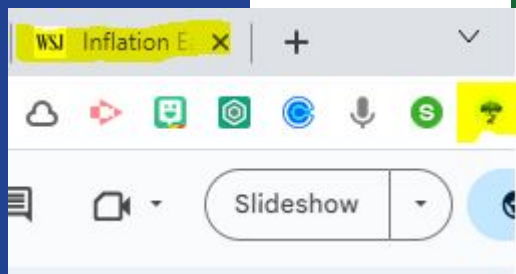
# Wisdolia



Wisdolia is a free AI tool that helps you create flashcards from any YouTube video, article, or PDF in any language. It uses AI to generate question and answer flashcards to help you actively remember what you learned.

**similar to: Quizlet *but* generative  
and dynamic**

---



## Inflation Eased to 3% in June, Slowest Pace in More...

What factors contributed to the decline in inflation?

Factors such as lower prices for used cars and airline fares, as well as slower rent increases, contributed to the decline in inflation.

Reveal Answer

ECONOMY | U.S. ECONOMY

# Inflation Eased to 3% in June, Slowest Pace in More Than Two Years

Fed officials are still likely to raise interest rates when they meet later this month

By [Gwynn Guilford](#) [Follow](#) and [Nick Timiraos](#) [Follow](#)

Updated July 12, 2023 4:09 pm ET



trade economics



And we do import a lot of things from China but in terms of both imports, and

single view

list view

Imports, Exports, and Exchange Rates: Crash Cours...

What is international trade?

QUESTION

Reveal Answer

1 of 12



Open an article, PDF, or YouTube video to generate flashcards

Recommendations not quite right?

When you turn on watch history, you'll get more personalized recommendations.

Leave history off

Turn on history

Imports, Exports, and Exchange Rates: Crash Course Economics #15



CrashCourse  
14.8M subscribers

Subscribe

28K



Share

Download

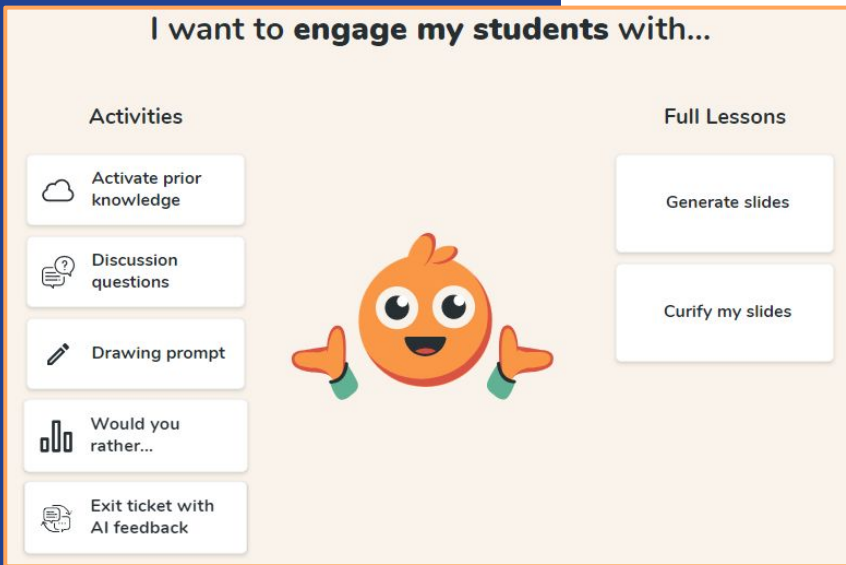
Thanks

Clip



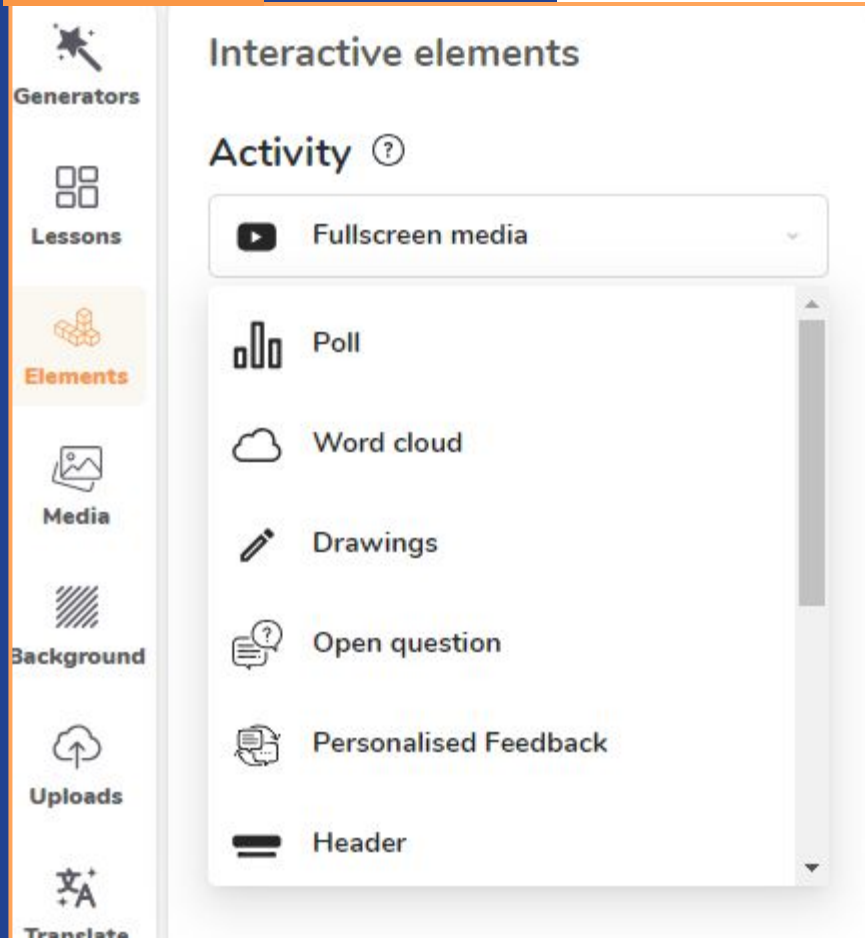
Macroeconomics- Everything You Need to Know  
Jacob Clifford  
2.9M views · 6 years ago

# curipod



Generate an interactive slideshow based on your lesson focus and learning objectives.

***similar to: Peardeck & Nearpod  
(but generative)***



# curipod

Edit existing presentations or generate new presentations using specific content input/prompts.

*Great for new teachers & fresh ideas*

### E.3

Examine how voluntary exchanges and trade are reflections of positive and negative incentives.

4. Explain why many nations impose trade restrictions for national defense, protection of key industries and protection of workers.
5. Explain why import restrictions result in higher prices and decreased job opportunities and profits.
6. Define labor productivity.
7. Evaluate how international economic interdependence causes economic conditions and policies in one nation to be affected by economic conditions and policies in

Content or skill

Grade

Enter something specific...

12th Grade

Catcher In The Rye, chapter 3

Regions in California

Compare and contrast

Signing of declaration of Independence

Cause and effect

+ show more suggestions

> Learning objective and standards

Do magic ✨





Generators



Interactive elements



Background



Uploads

# What is the topic of your next lesson?

Topic for the lesson

Explain how interest rates affect various consumer



Grade

12th Grade

Learning objective and standards

- a. Compare interest rates on loans and credit cards from different institutions including banks, credit unions, pay-day loan facilities, and title-pawn companies.
- b. Define annual percentage rate and describe how different interest

Do magic

Skip and start from [a blank slide](#)



Generators

Interactive  
elements

Background



Uploads

# What is the lesson?

Topic for the lesson

✓ Learning objective and stan

- a. Compare interest rates of institutions including bank and title-pawn companies.
- b. Define annual percentage

Do magic

Skip and start from [a blank slide](#)

## How do you think interest rates affect various consumer decisions?

---

Higher interest rates make consumers more cautious and they tend to save more

---

Lower interest rates make consumers more willing to take risks and they tend to spend more

---

Interest rates have no effect on consumer decisions

interest rates are high, people are more likely to save because they can earn more money on their savings and investments.



# What will you design today?

🔍 **Text-to-Image**. Translate text, Magic presentation generator



For you



Docs



Whiteboards



Presentations



Social media



Videos



Print products



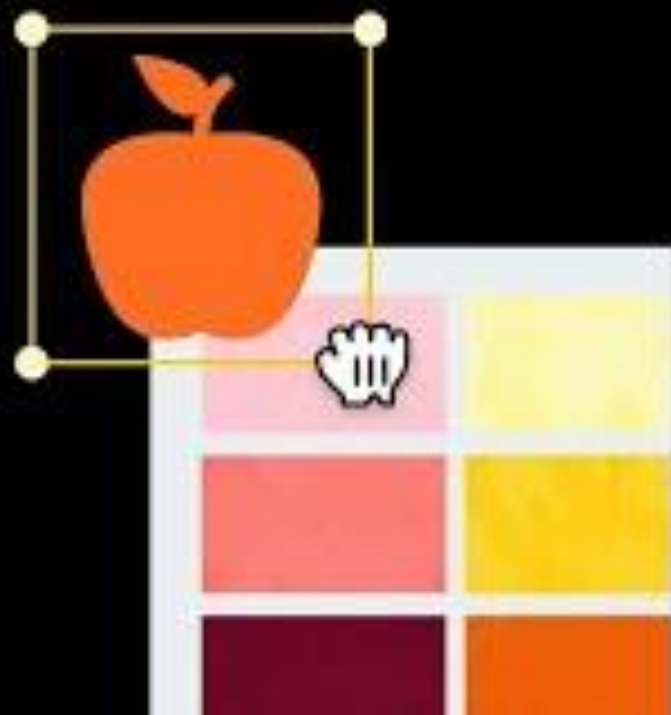
Websites



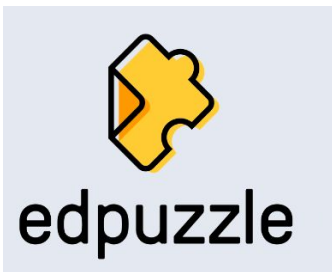
More



Welcome to  
Canva for  
Education







Cut

Voiceover

Questions



Teacher Assist Beta

[Learn more](#)

Generate questions



Multiple-choice question



Open-ended question



Note

Why add these?

Create questions to see which students understood the lesson, and add notes to give more information or get students' attention with a quick audio note!



Head to [joinconker.com](https://joinconker.com) to join

# FFPYUJ

Copy share link

OR

Export to Google Forms

Print answer sheet

Print question sheet

Standard	Objectives
E.4 Analyze the role of price on the market, the buyer, and the seller.	<ol style="list-style-type: none"><li>1. Define relative price, market clearing/equilibrium price, shortage, and surplus.</li><li>2. Investigate the relationship between market clearing price and supply and demand.</li><li>3. Explain that market outcomes depend on available resources and government policies.</li><li>4. Relate shortages and surpluses to changes in price.</li><li>5. Discuss the concept of market price and exchange rates.</li><li>6. Examine how changes in supply or demand cause relative prices to change.</li><li>7. Relate government enforced price ceilings and floors to persistent shortages or surpluses.</li></ol>

the role of price on the market,  
the buyer, and the seller.

Generate

Customize

1. What is the definition of price in the context of a market?

Select the correct answer

- ☐ The amount of money a seller is willing to accept for a product
- ☐ The cost of production for a product
- ☒ The value of a product as determined by supply and demand
- ☐ The amount of money a buyer is willing to pay for a product

[Validate answer with Google search](#)

4. How does price affect the behavior of sellers?

Select the correct answer

- ☐ Higher prices lead to increased production
- ☐ Higher prices lead to decreased production
- ☒ Lower prices lead to increased production
- ☐ Lower prices lead to decreased production

WHAT DO YOU THINK ABOUT THESE ITEMS?





# Reflect

I used to think...  
but now I think...

# 20 add-ons and extensions for Google Slides

## Quick Navigation

### Add-ons for Google Slides

[1. PearDeck](#)

[2. Noun Project](#)

[3. Magic Rainbow Unicorn](#)

[4. Insert Icons for Slides](#)

[5. Slide Randomizer](#)

[6. Animated GIFs](#)

[7. Icons from Flaticon](#)

[8. Nearpod](#)

[9. Unsplash](#)

### Extensions for Google Slides

[10. Clipboard History Pro](#)

[11. EquatIO](#)

[12. Fireshot](#)

[13. Color Pick Eye Dropper](#)

[14. Bitmoji](#)

[15. Pear Deck Power-Up](#)

[16. Sir Links-A-Lot](#)

[17. Screencastify](#)

[18. Remote for Slides](#)

[19. Tab Carousel](#)

[20. Poll Everywhere](#)

Are you looking for quality, meaningful professional learning that both equips and inspires teachers?



# 20

## ways to use ChatGPT in the classroom



1

Use it as a more complex source of information than Google.



2

Use it to provide students access to lots of good examples.



3

Use it to remix student work.



4

Ask it for definitions (on a variety of levels).



5

Ask it for feedback for student work.



6

Ask it to do some teacher tasks for you.



7

Add it to the "think pair share" thinking routine.



8

Grade the bot.



9

Debate the bot.



10

Ask the bot for advice.



11

Use it to summarize texts.



12

Use it for insight into big, difficult-to-solve problems.



13

Ask ChatGPT to write your lesson plans.



14

Anticipate the response you'd expect from AI.



15

Take several responses and make a better product.



16

Create personalized learning experiences.



17

Provide tutoring or coaching.



18

Generate prompts and questions to facilitate discussions.



19

Provide information and answer questions.



20

Supplement in-person instruction.



**DITCH THAT  
TEXTBOOK**

Get an overview of ChatGPT in the classroom at [ditchthattextbook.com/ai](https://ditchthattextbook.com/ai).  
Infographic by Matt Miller (@jmattmiller / DitchThatTextbook.com)

## 1 PASSAGE QUESTIONS

ChatGPT can create questions for any text and provide an answer key. It also can create homework writing prompts. (Source: Paul DelSignore)



**BRAIN**



**BLAST**



## 10 RUBRIC CREATOR

Create rubrics aligned to specific standards.

## 11 LESSON PLANS

Teachers can ask ChatGPT to write the first draft of a lesson plan. It will even create a PBL lesson.



## 12 SLIDE SHOWS

ChatGPT can outline a slide show for a text or topic. Then you supply the visuals.



## 13 DIFFERENTIATION

ChatGPT can create chapter summaries for kids that need it. It can also act as a text compactor.



## 14 PRE-READING

ChatGPT can extract keywords from a chapter and define those words.



TODD FINLEY

# CHATGPT TEACHING TIME-SAVERS



## 3 IEP GOALS

"Input information about the student's abilities and ChatGPT will generate specific, measurable goals for the student to work towards." (Source: Erintegration)



## 4 QUIZZES

Align all your quiz questions on a topic or reading with the Common Core State Standards.



## 6 VOCABULARY BUILDING

"Teachers can ask ChatGPT to generate sentences using a particular word, and then have students guess the meaning of the word based on the context of the sentence." (Source: Shana Ramin)



## 7 ESSAY ANALYZER

Students can submit their writing to ChatGPT and get suggestions for improvement.



## 8 PERMISSION SHEETS

Ask ChatGPT to create permission sheets for guardians to sign for field trips or other activities.

## 9 ESSAY FEEDBACK

When kids make a grammar error, teachers can direct ChatGPT to define/describe the error with examples.



## 5 TEMPLATE IT

Use the A.I. to create templates for annual reports and for common emails.