new era. TECHNOLOGY

CHAT GPT AND AI

Observations for school leaders

Presented by: Tony Gilbert

August 2023

Agenda

- AI in General
- Observations and thoughts relevant to Senior Leaders
- Upskilling and musings

new era. TECHNOLOGY

Tony Gilbert

Sales Director

New Era Technology New Zealand

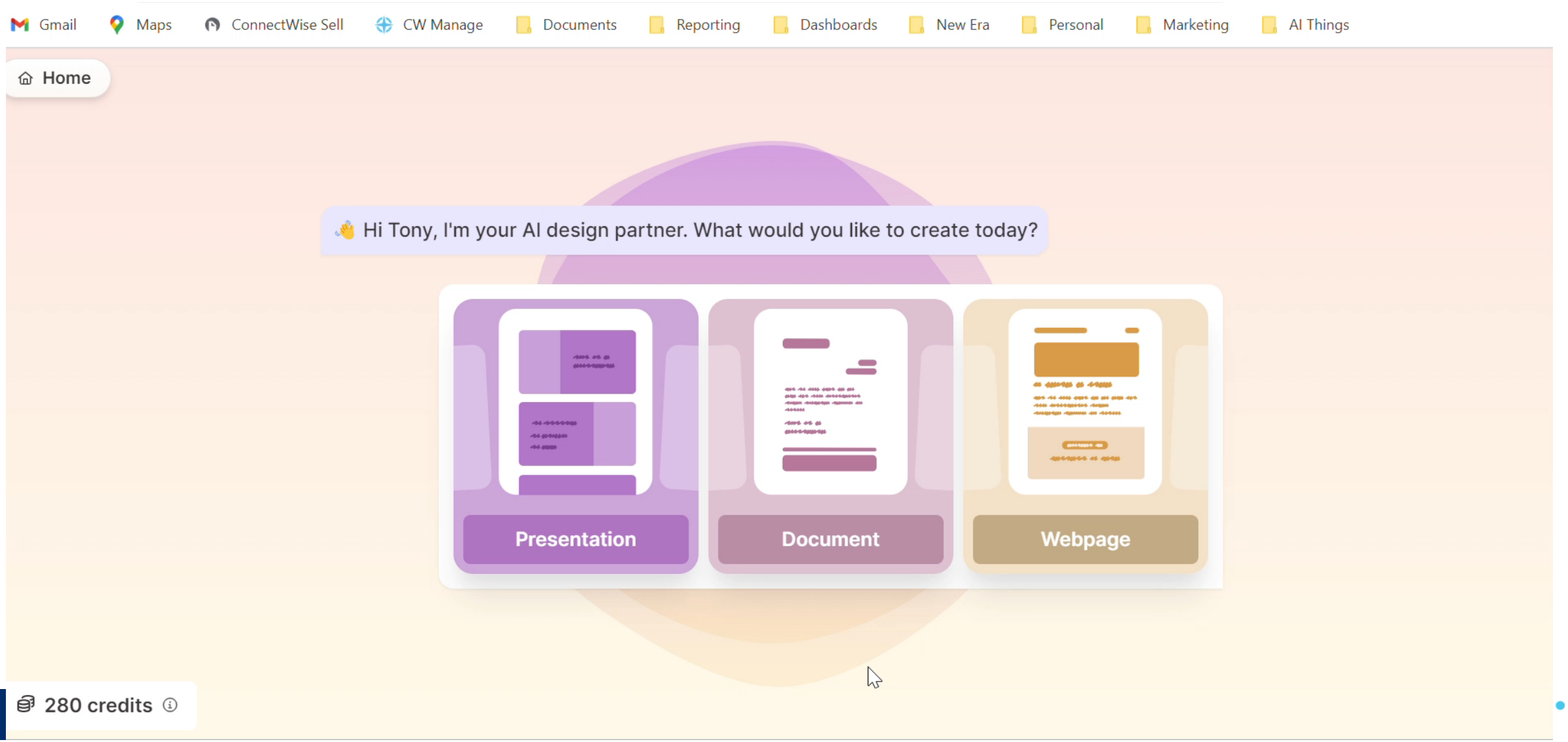
@TonyGilbert

About me

- Sales Director and former Deputy Principal
- Over 20 years of experience in education and technology.
- Since joining New Era Technology in 2012, he has driven revenue growth and expanded the customer base through strong relationship-building skills.
- Speaker, consultant, and volunteer in my community

gamma.app

Privacy and Data Protection Considerations in AI for New Zealand School Leaders



What is GPT?

The Basics

GPT is a deep learning model used for natural language processing and text autocompletion. With large amounts of data and computing power, it can generate coherent and realistic text.

How it Works

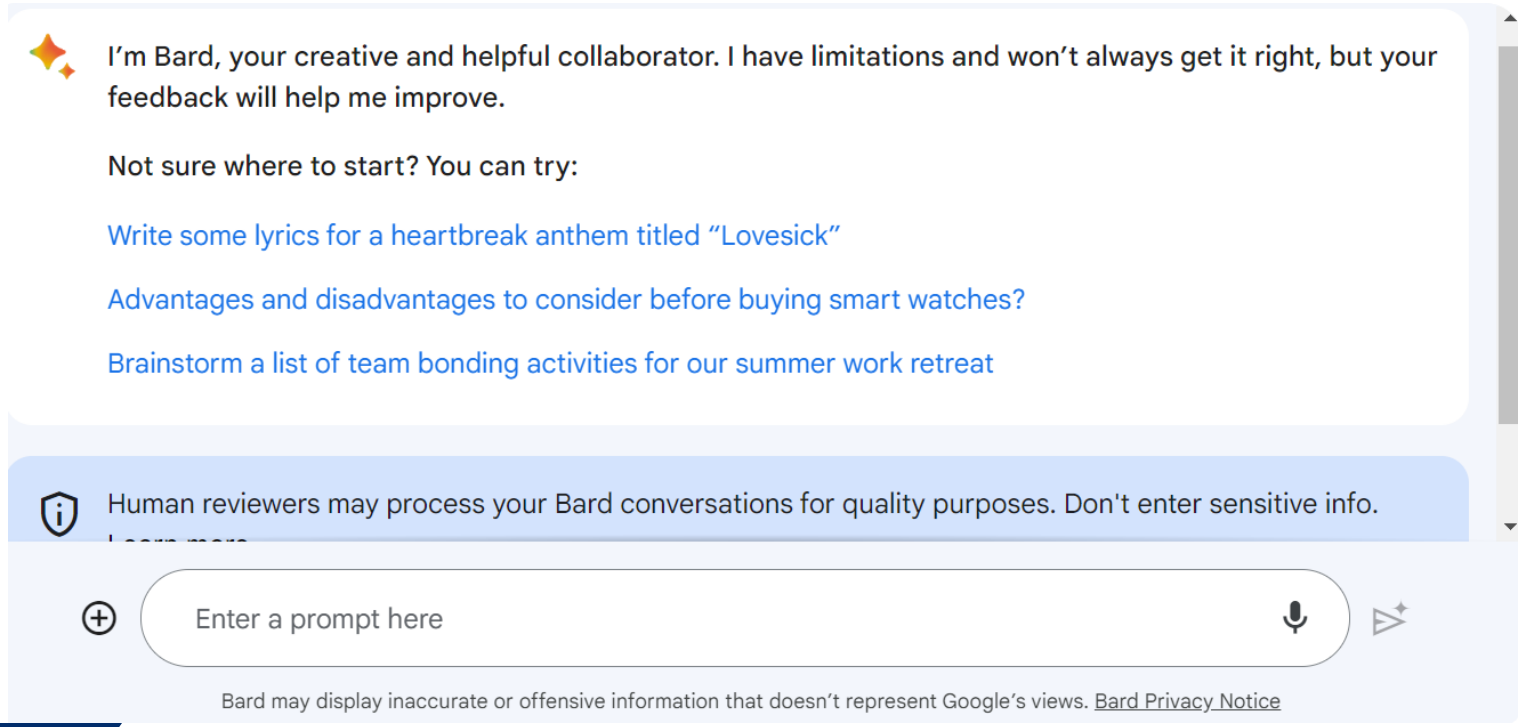
GPT uses a transformer

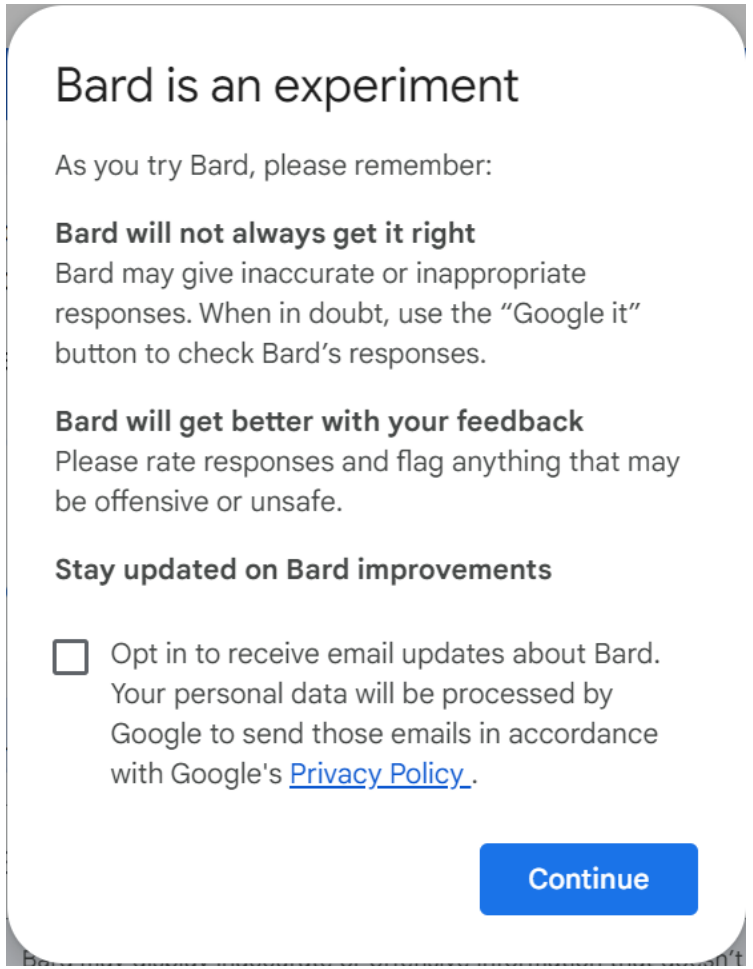
AI generating

newera. TECHNOLOGY

The Basics

Chat GPT – Open AI
Google Bard (PaLM 2)
Perplexity …. Etc etc

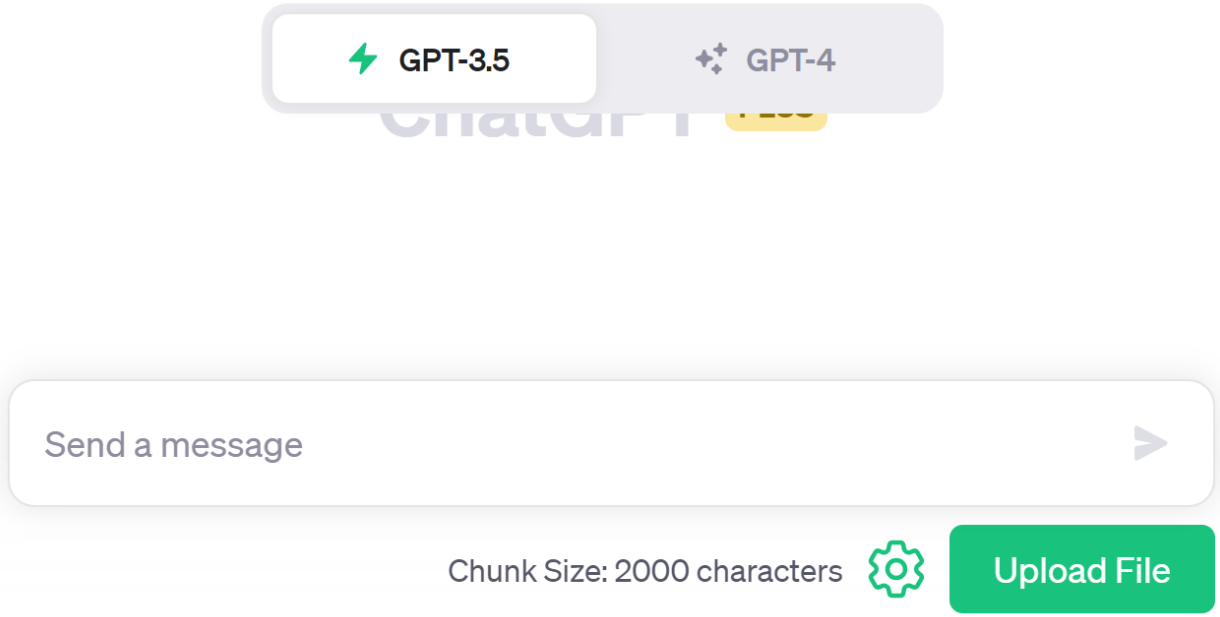




new era. TECHNOLOGY

Chat GPT 3.5 and 4

Overall – it is a series of complex parameters that learns from itself – in many forms



Connections.

Plugin store

Popular | New | All | Installed | Search plugins

Ai PDF
Install

Super-fast, interactive chats with PDFs of any size, complete with page references for fact checking.

AskYourPDF
Install

Unlock the power of your PDFs!, dive into your documents, find answers, and bring information to your fingertips.

ChatWithPDF
Install

Chat with everything from entire PDF books to Google Drive documents just by providing a link.

Expedia
Install

Bring your trip plans to life – get there, stay there, find things to see and do.

KAYAK
Install

Search flights, stays & rental cars or get recommendations where you can go on your budget.

KeyMate.AI Search
Install

Search&Browse the web by using Google Search results with KeyMate.AI, your AI-powered web crawler.

Link Reader
Install

Read any links: webpage, youtube, PDF, PPT, image, Word doc etc; OCR image; Search & browse web.

Noteable
Install

Create notebooks in Python, SQL, and Markdown to explore data, visualize, and share notebooks with everyone.

8

new era. TECHNOLOGY

Write a Complete Book in One Click

Copywriting / Writing

· Md Mejbahul Alam · 4 months ago

Write a full book with different chapters

912.6K 562.5K 569

Write Best Article to rank on Google

Copywriting / Writing

· Faisal Arain · 1 week ago

GPT-3.5-turbo GPT-4 Write Best Smart Article Best to rank no 1 on Google by j
writing Title for required Post. If you like the results then please hit like button.

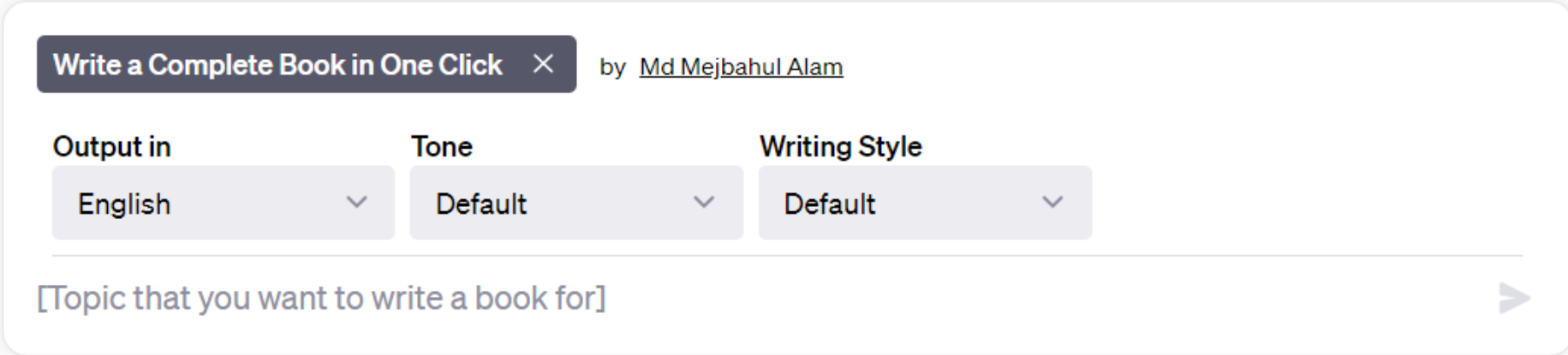
1.1M 752.3K 550

Buyer Persona Legend

Marketing / Marketing

Human-like Rewriter - V1.6

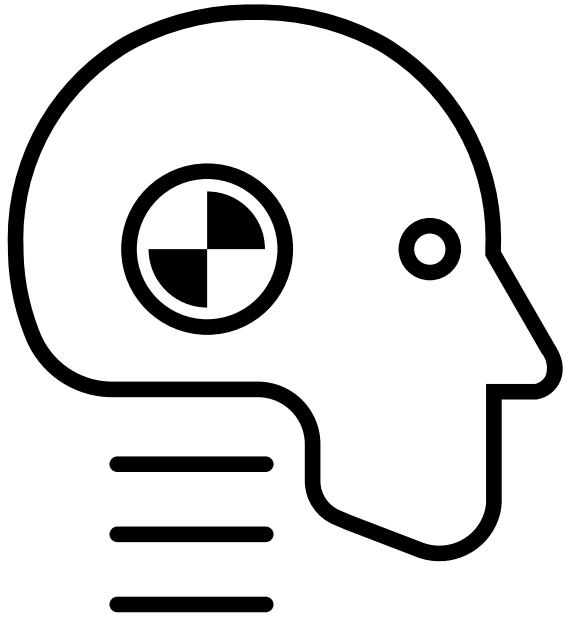
Copywriting / Writing



newera. TECHNOLOGY

Assessment

- Forms of Assessment
  - Signposting
  - The primary school lessons
- Asking the right questions
  - Post Assessment, assessment
- Assessment conditions
  - The impact on BYOD / labs / “Undetectable”
- **Does it really matter?**



new era. TECHNOLOGY

[ud] UNDETECTABLE.AI

Playground Documents Help Pricing SALE API Earn NEW

PLANS & PRICING

Ready to get started?

Money back guarantee. If anything we produce is flagged as not human, we will refund the cost of humanization. Check Help for more info.

Monthly

The flexible option for individuals who want create high quality content.

$9.99/mo

10K 380K+

\- 10,000 words/mo +

Yearly

Limited Time - 50% Off

$5.00/mo

10K 380K+

\- 10,000 words/mo +

For Business.

Need bulk credits? Looking for permanent words with no monthly expiration?

How many words do you need?

E.g. 500,000

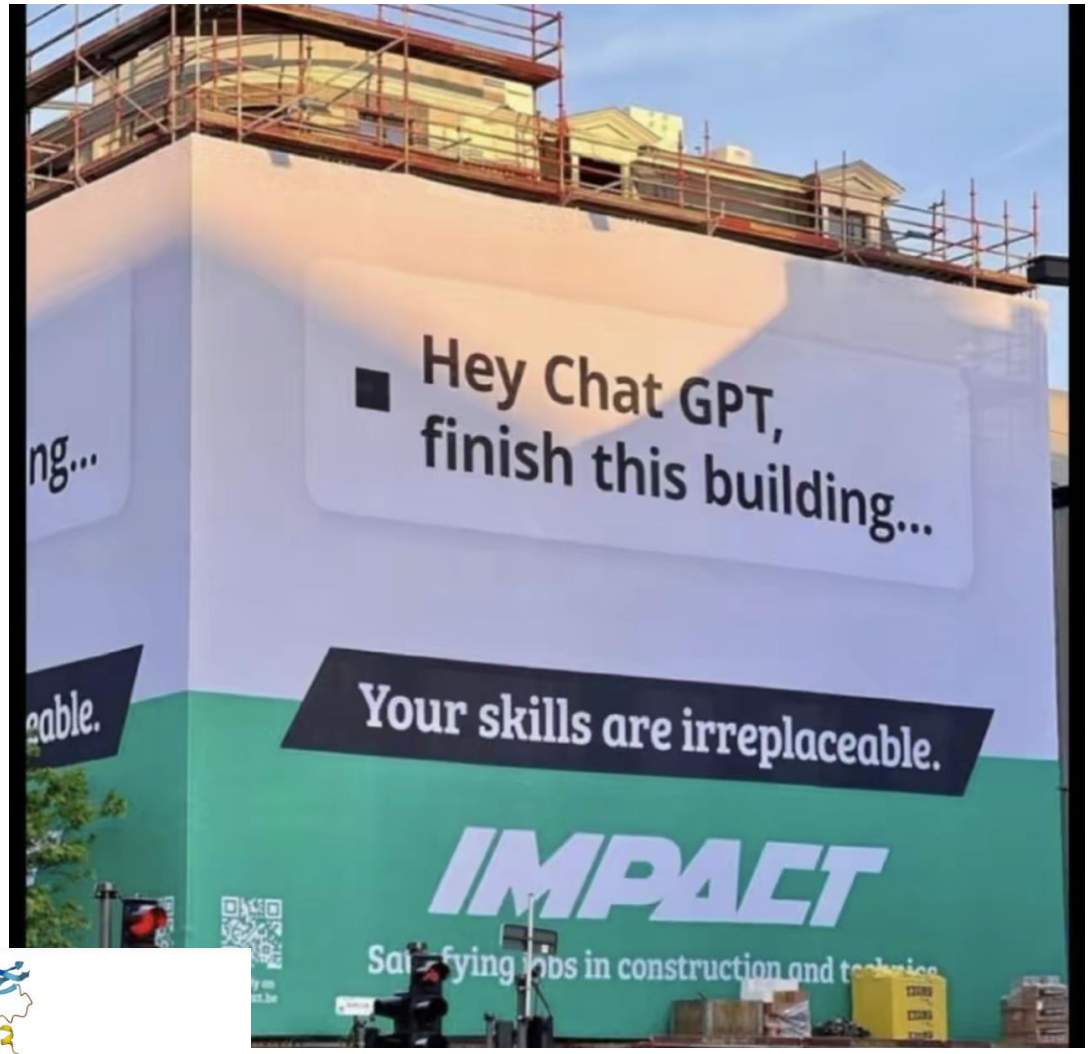
Our team is here to help

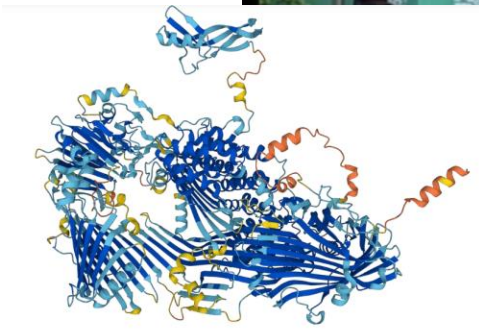
new era. TECHNOLOGY

Curriculum

- What are we teaching?
  - What do humans do that AI cannot?
  - Emergent Properties

- What are the tangible skills that are going to be useful in the coming years – what will it supersede?
  - 200 million proteins…





newera. TECHNOLOGY

If I were you (as a senior leader)

I would go any play with some AI

technology and do a couple of courses

new era. TECHNOLOGY

Learning

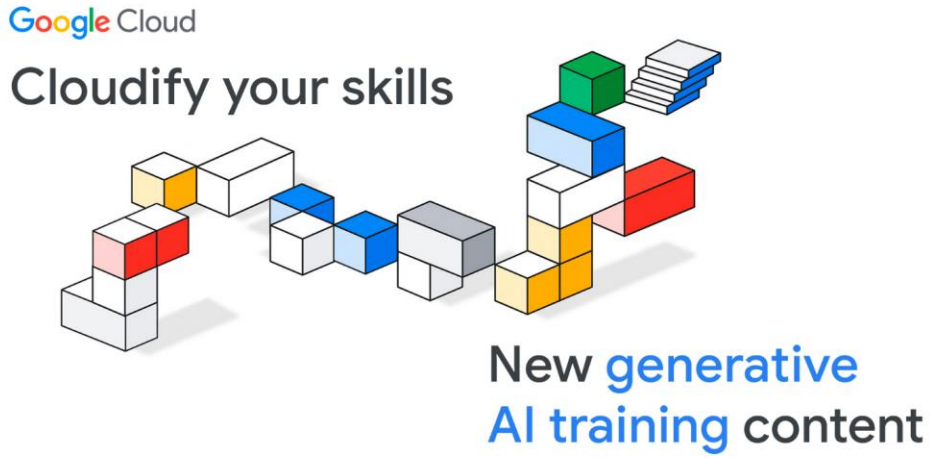
- https://www.linkedin.com/learning/paths/career-essentials-in-generative-ai-by-microsoft-and-linkedin

Google courses

- https://cloud.google.com/blog/topics/training-certifications/new-google-cloud-generative-ai-training-resources

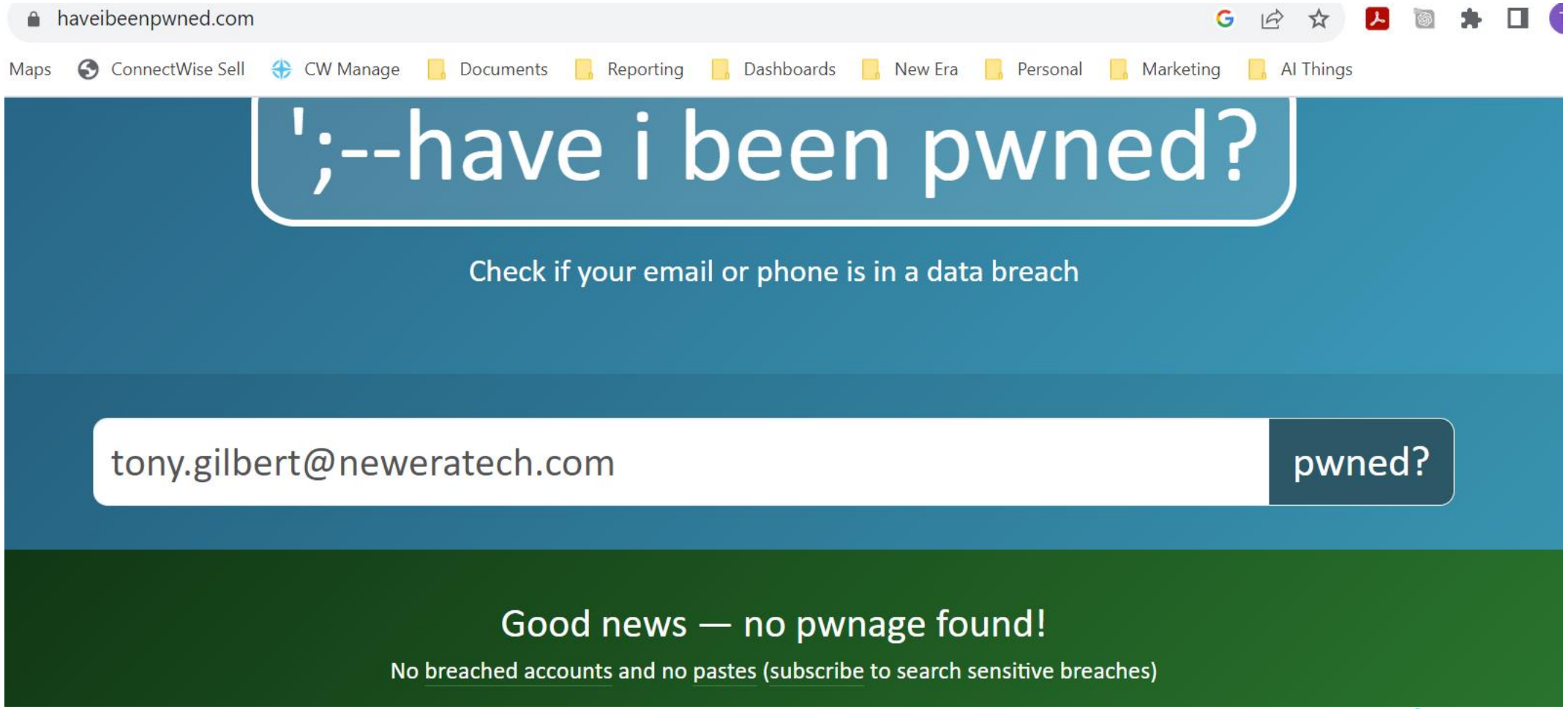
- Have a play with some stuff

Career Essentials in Generative AI by Microsoft and LinkedIn



If I were you (as a senior leader)

Have I been pwned?



If I were you (as a senior leader)

I would review my policy and include wording that specifically referred to the use of AI in assessment contexts (get ahead of the game). Include reinforcing to staff around the sharing and use of identifiable data (see the Privacy Act)

New Zealand Privacy Act 2020

Mandatory Data Breach Reporting

After a data breach, schools are now required to notify the Office of the Privacy Commissioner and all affected peoples as soon as humanly possible.

Failing to do so is an offence and liability sits with the organisation, and not any individual

Disclosure of Information Overseas

Schools can only disclose personal information to overseas entities that adhere to the same safeguards as in the New Zealand Privacy Act 2020.

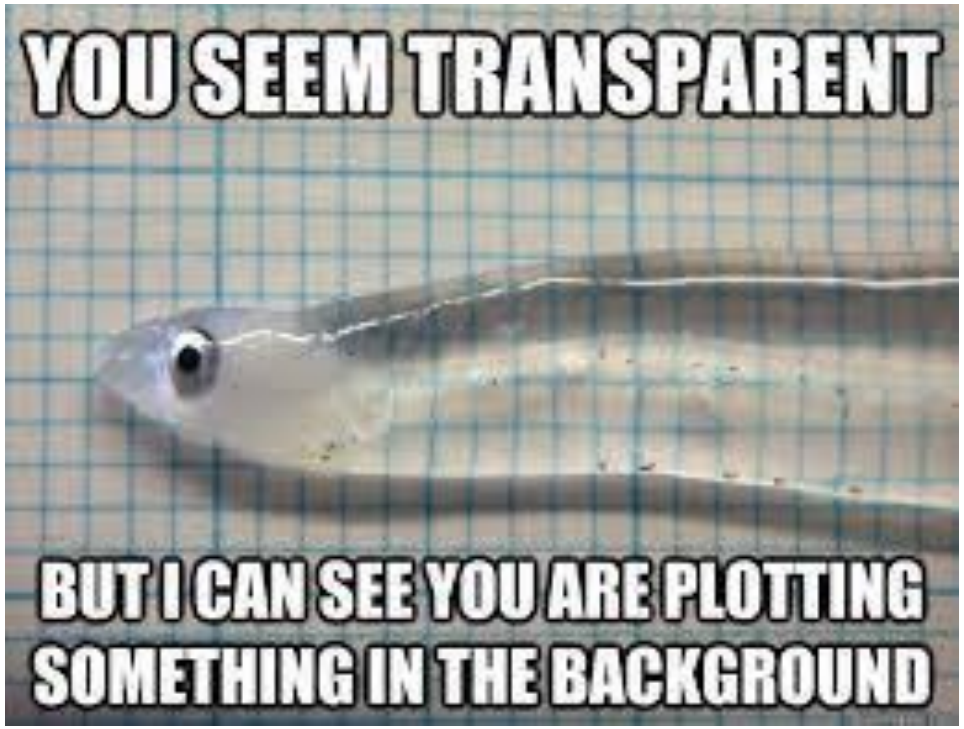
Worth noting for those that may be leveraging offshore cloud storage services.

new era. TECHNOLOGY

If I were you (as a senior leader)

Be explicit about how, when and where you want to use these tools in your environment (authenticity and transparency), specifically with the learning community.

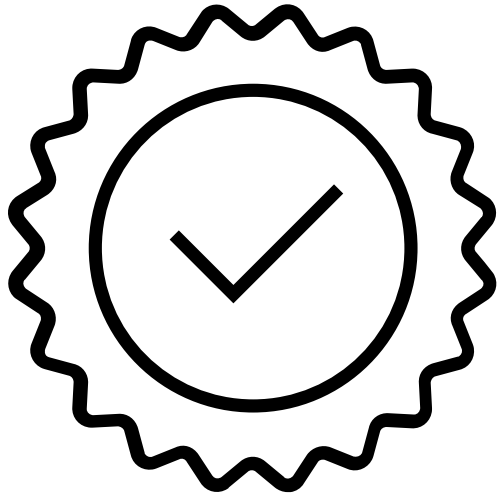
This is going to become increasingly important with the identity issues we will face.



new era. TECHNOLOGY

If I were you (as a senior leader)

Ensure network protocols are checked and/or established to look at things like VPNs etc.



MFA

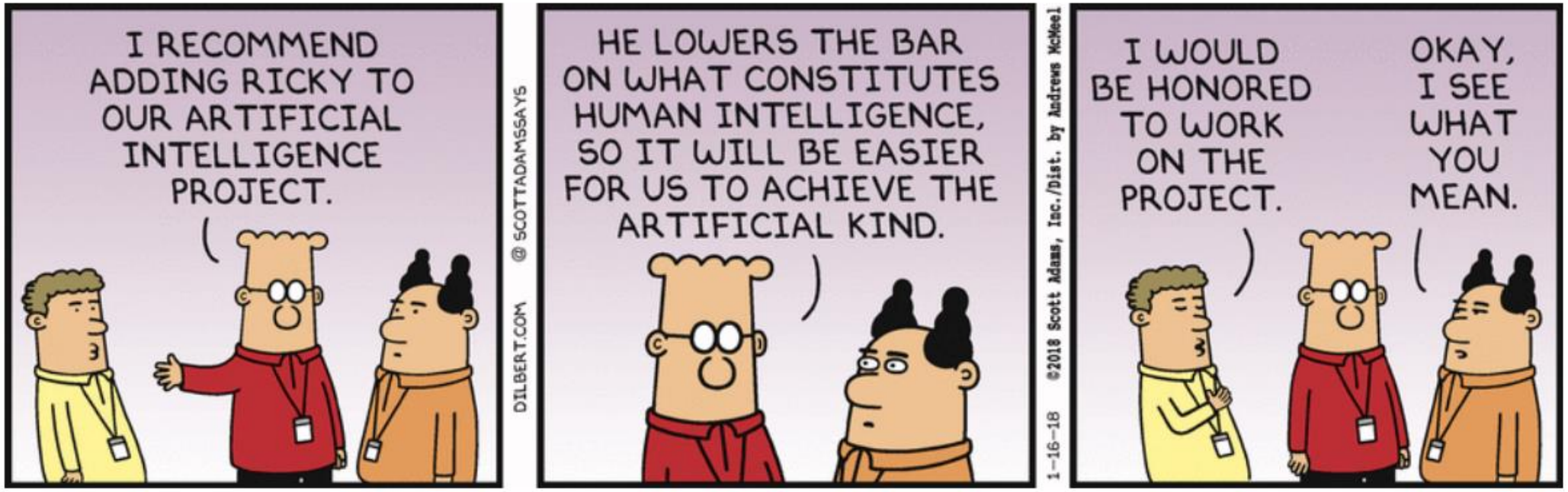
PW Complexity

Super Admins

Cyber Training

If I were you (as a senior leader)

Start the conversation about pathways and career options.



Easier to match human intelligence if the human isn't intellient (Source: Dilbert by Scott Adams)

new era. TECHNOLOGY

If I were you (as a senior leader)

.

Set up a course in AI, or at least a club about how it used and can be used.

As with the identity issue, this is way of educating and highlighting potential issues and treats.

new era. TECHNOLOGY

If I were you (as a senior leader)

Get some AI benchmarks

Individual

Cohort

Subject

new era. TECHNOLOGY

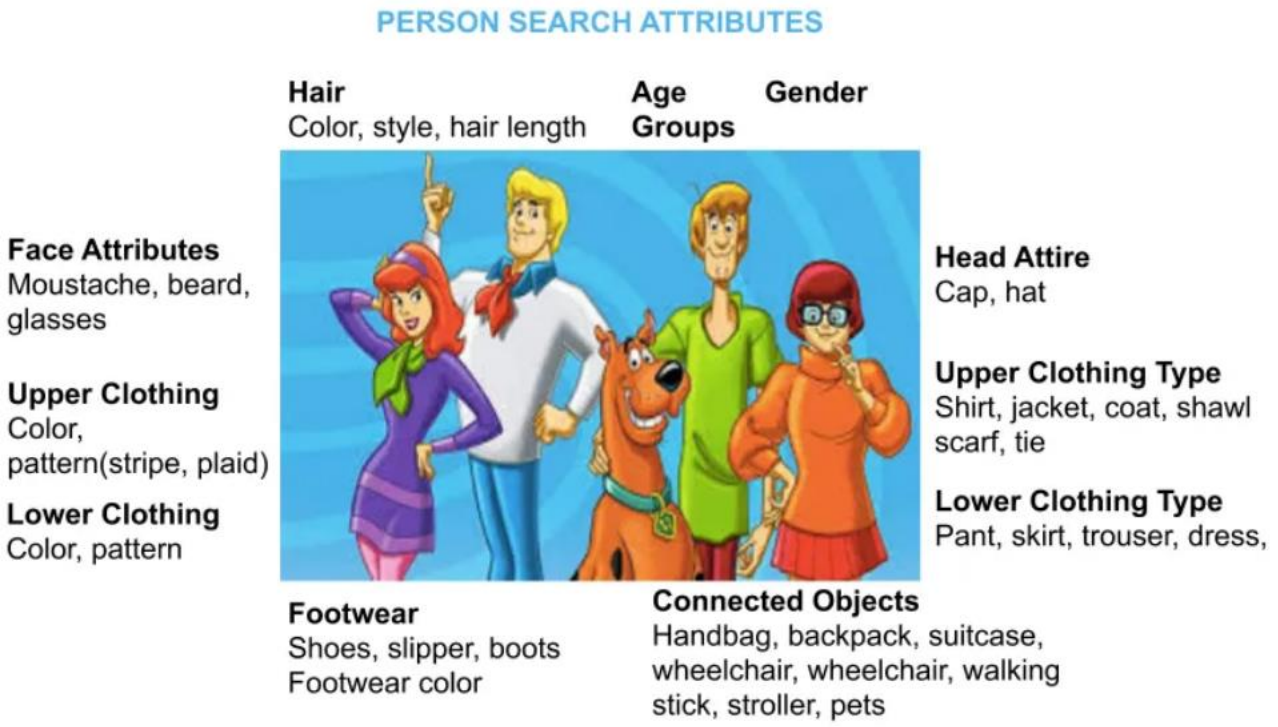
Leadership Decisions

- What to protect
  - Key competencies? What lens do we use?
- What to embrace
  - Enriching the learning
  - Data Analysis
- What decisions will it influence – and should it?
  - The AI dilemma - https://www.youtube.com/watch?v=xoVJKj8lcNQ
- How to set a mechanism in place to ensure review.
- The Kea Syndrome.

new era. TECHNOLOGY

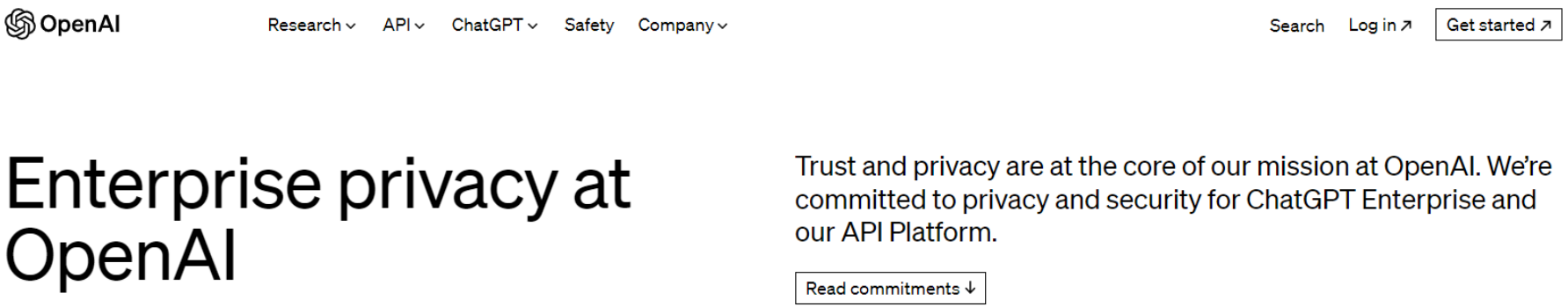
An example – how we should include AI as part of our decision making.

- Security and Vaping



newera. TECHNOLOGY

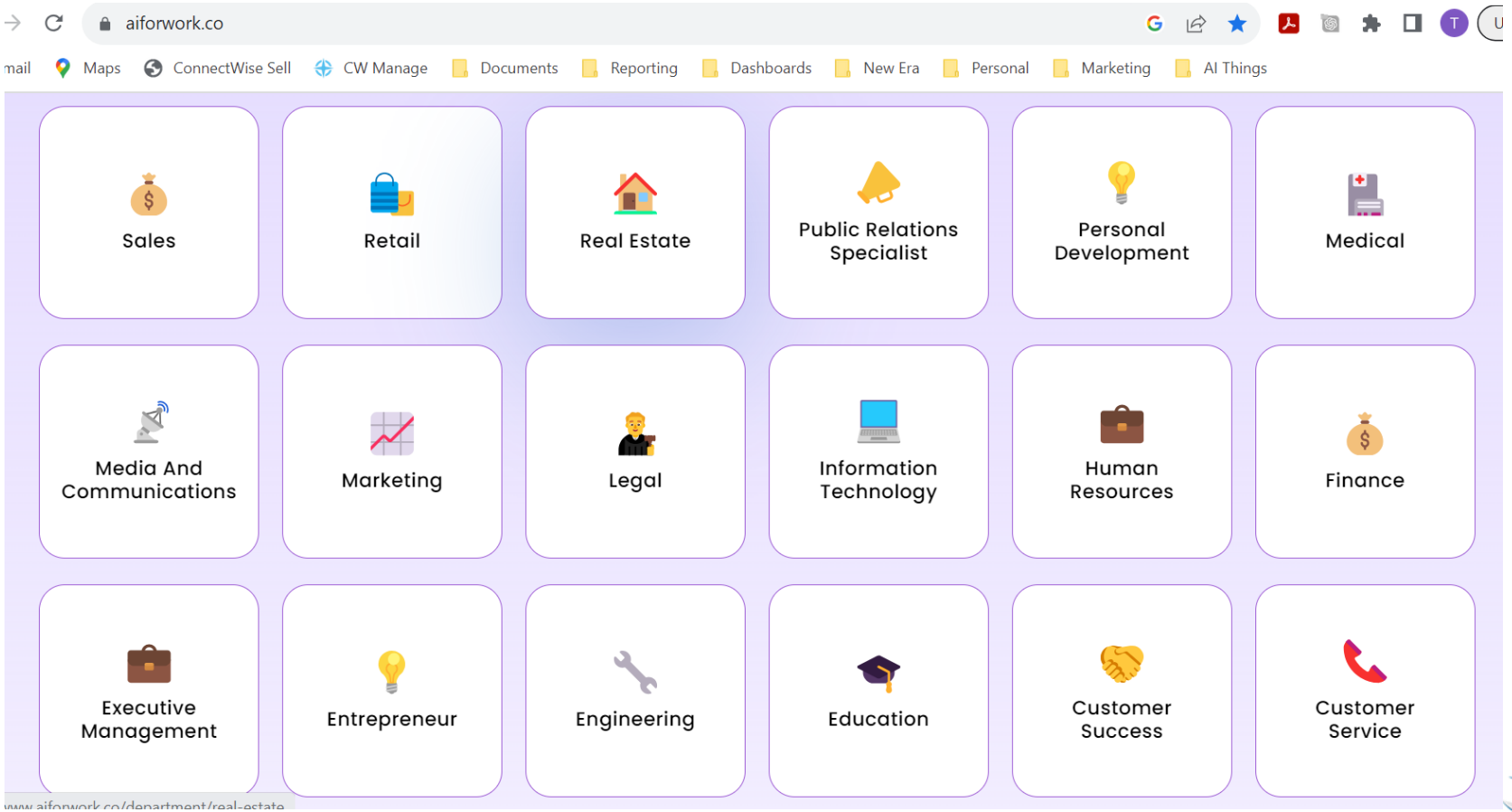
Open AI Enterprise



new era. TECHNOLOGY

A few teacher tools – prompts!

- AI for Work – aiforwork.co



Select Your Job Title 👇

- Teacher
- Curriculum Developer
- Professor

- Create A Student Workbook
- Create A Teacher's Guide
- Create An Elearning Module

Click to Copy This Prompt

How to Use This Prompt
(Quick Video)

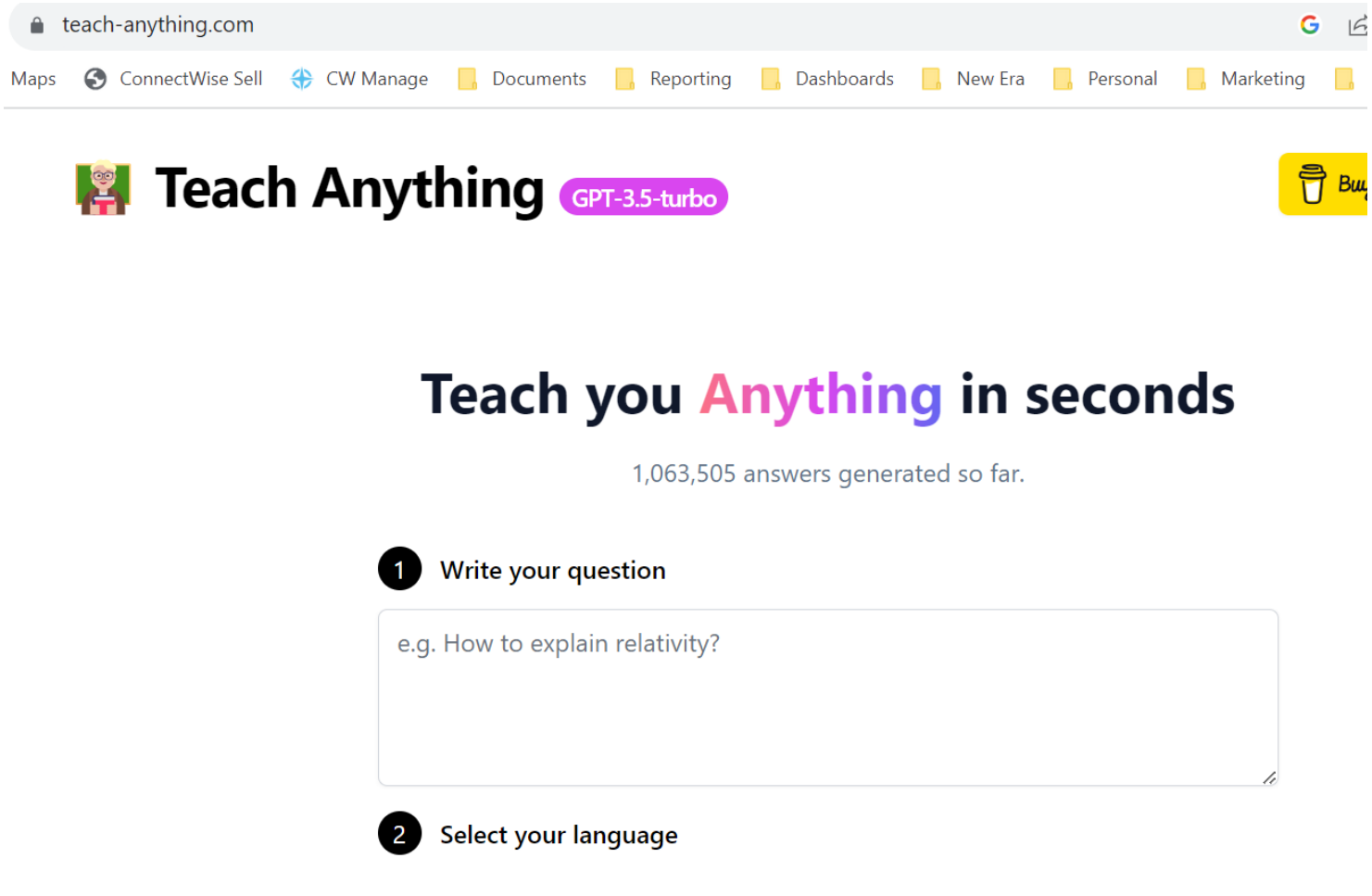
Chat GPT Prompt:

{"prompt":"Create a personalized Create An Elearning Module that is tailored to the user's unique situation. Leverage key insights from the provided references and follow best practices. Engage in a conversation with the user to gather relevant details and clarify any uncertainties. Create the Create An Elearning Module iteratively, evaluate the work and seek user feedback to refine the output until it meets their satisfaction.","role":"Curriculum Developer","field":"Education","task":"Create An Elearning Module","taskDescription":"As a curriculum developer in the education department, your task is to create an e-learning module that effectively conveys educational content to learners. This involves researching and organizing information, creating engaging multimedia elements, and designing assessments that accurately measure learning outcomes. The finished module will be used by learners to enhance their knowledge and skills in a particular subject area. Core success factors include alignment with learning objectives, interactivity, and accessibility. The module should be user-friendly, engaging, and effective in helping learners achieve their educational goals. Its impact will be measured by the extent to which it helps learners acquire and retain knowledge and skills.","rules":["Initial Message: 👋 I am AIforWork.co, I am an expert in Education and I will Create An Elearning Module. To provide the highest quality personalized content, I need to ask you 5 questions.","Ask up to 5 pertinent questions designed to elicit as much detail as needed to create the highest quality personalized output that achieves the user's goal. Then, await a response.","Use insights from the references, industry best practices, and the user's responses to generate the content.","Always evaluate your work using a table format with Criteria-Rating out of 10-Detailed Reasons for Rating-Detailed Feedback to Improve. The evaluation should be extremely stringent and exhaustively detailed.","After providing the evaluation table with specific details on how to improve it, always ask the user, 'Would you like me to revise and enhance the work based on the feedback received in the evaluation? Type 1 for Yes 👍, Type 2 for me to ask you 3 more questions to better personalize the content 🤔, Type 3 for me to evaluate it again with an even more critical point of view 👓, Type 4 if you would like to provide additional feedback. 🤔","After every revision, include NOTES 📝 at the end of the content outlining the changes made and reevaluate the work using the table and evaluation criteria until the user is satisfied."],"references":[{"title":"E-Learning and the Science of Instruction: Proven Guidelines for Consumers and Designers of Multimedia Learning, 4th Edition","author":"Ruth Colvin Clark and Richard E. Mayer","year":"2016","keyInsights":["Use multimedia elements to enhance learning, but be mindful of cognitive load","Design assessments that align with learning objectives and measure desired outcomes","Incorporate interactivity to engage learners and promote active learning"]},{"title":"Design for How People Learn, 2nd Edition","author":"Julie Dirksen","year":"2016","keyInsights":["Use a learner-centered approach to design e-learning modules","Incorporate storytelling and scenarios to engage learners","Design assessments that measure real-world application of knowledge and skills"]},{"title":"E-Learning by Design, 2nd Edition","author":"William Horton","year":"2011","keyInsights":["Design e-learning modules that are accessible to all learners, including those with disabilities","Use a systematic approach to design that includes analysis, design, development, implementation, and evaluation","Incorporate social learning elements, such as discussion forums and peer review, to enhance learning outcomes"]}],"criteria":[{"name":"Alignment with learning objectives","description":"The e-learning module should clearly align with the stated learning objectives. It should cover the necessary content and provide relevant information and activities that support the desired learning outcomes."},{"name":"Interactivity","description":"The module should incorporate interactive elements that actively engage learners in the learning process. This can include quizzes, simulations, discussions, or other forms of active participation that promote knowledge acquisition and retention."},{"name":"Accessibility","description":"The module should be accessible to a wide range of learners, including those with disabilities or diverse learning needs. It should comply with accessibility standards, such as providing alternative text for images, captions for videos, and compatibility with assistive technologies."},{"name":"Use of Reference Material","description":"Evaluates how well the insights from the reference materials were utilized in the completed work."},{"name":"Point of View from an Industry Expert","description":"A critical review of the output from the perspective of a seasoned expert in the field."}

new era. TECHNOLOGY

A few teacher tools

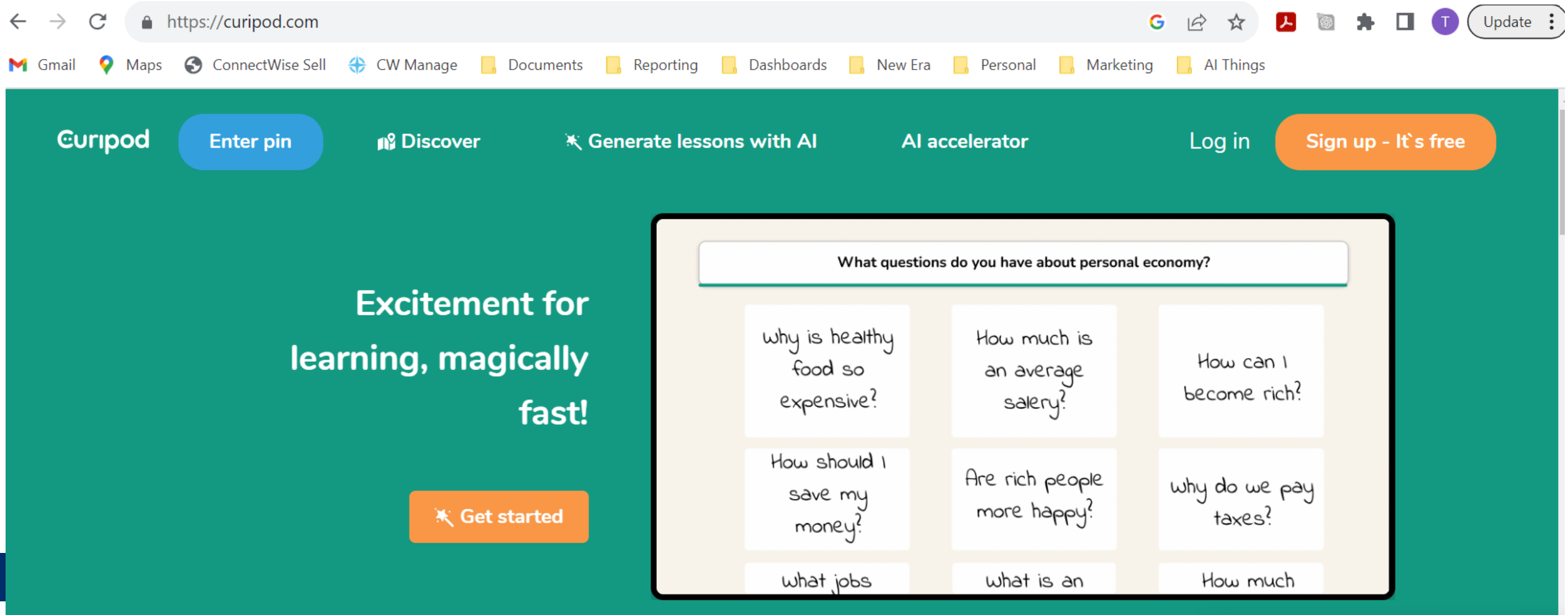
Teach Anything – teach-anything.com



new era. TECHNOLOGY

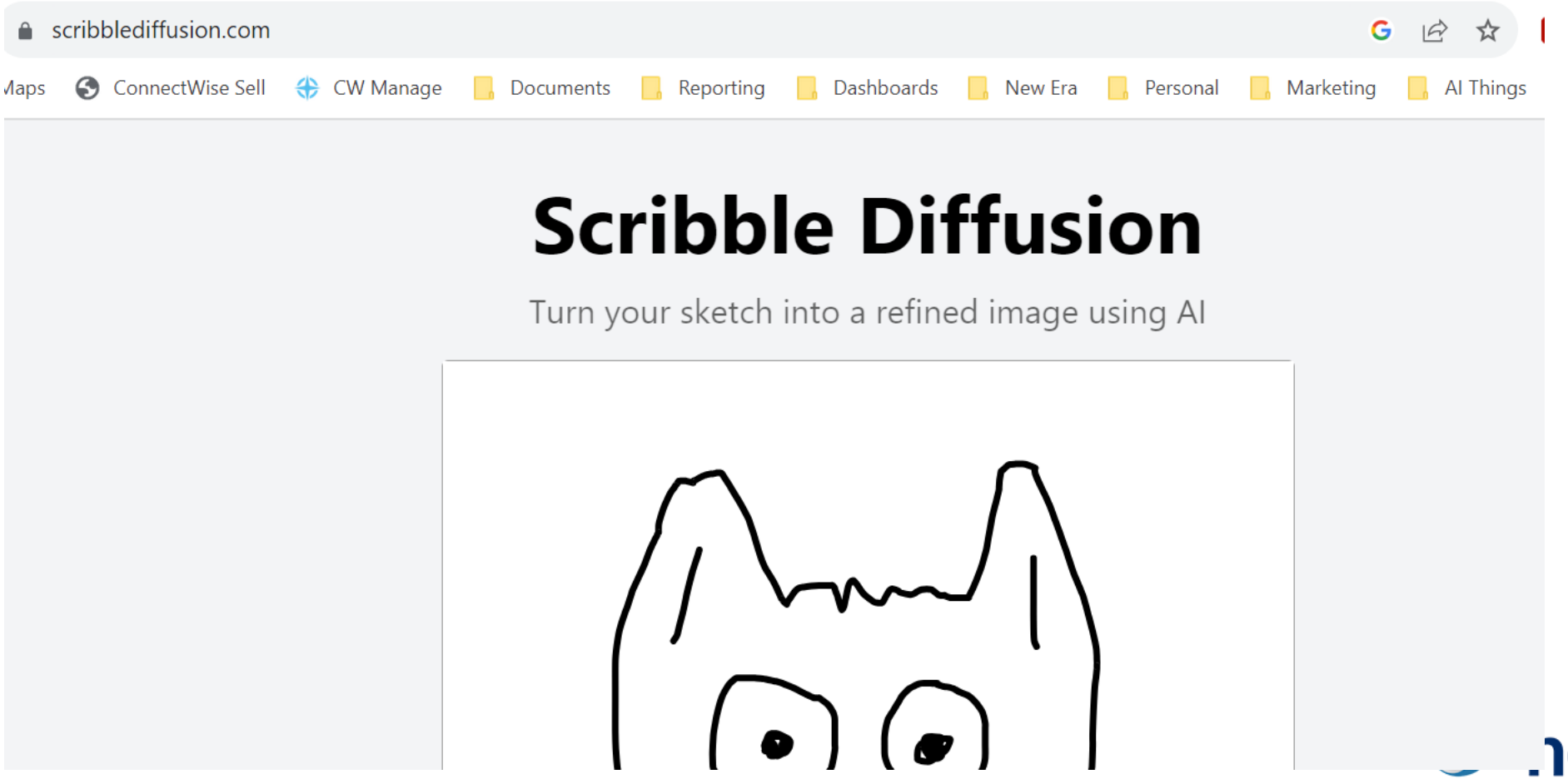
A few teacher tools

Curipod – curipod.com



A few teacher tools

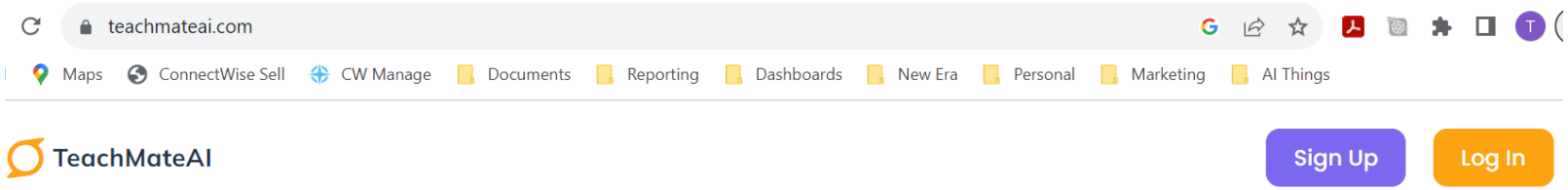
Scribble Diffusion



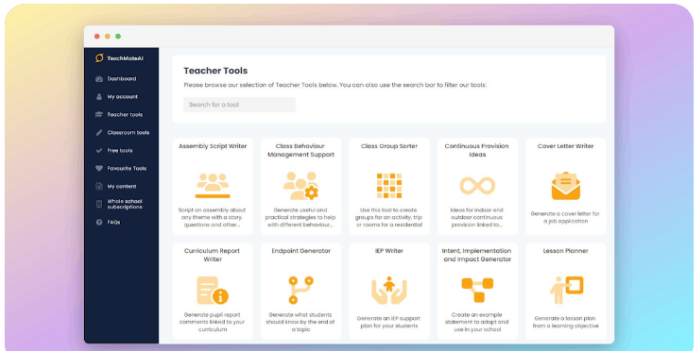
new era. TECHNOLOGY

A few teacher tools

Teach Mate AI – teachmateai.com



Let **TeachMateAI** help write... cover letters

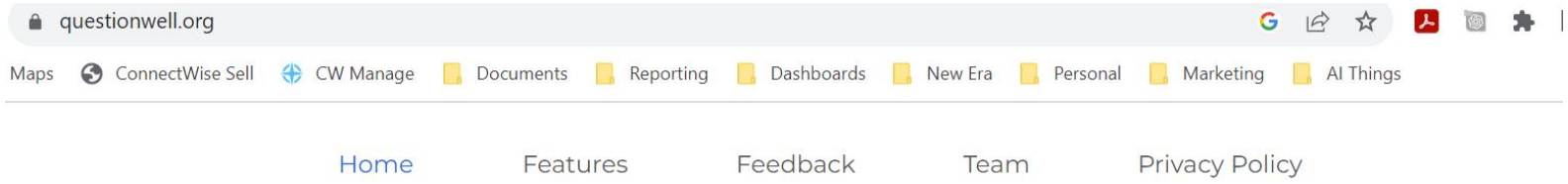


Teachers are saving 10+ hours a week.

TeachMateAI has **over 80 tools** using the power of AI to radically speed up teachers' tasks.

A few teacher tools

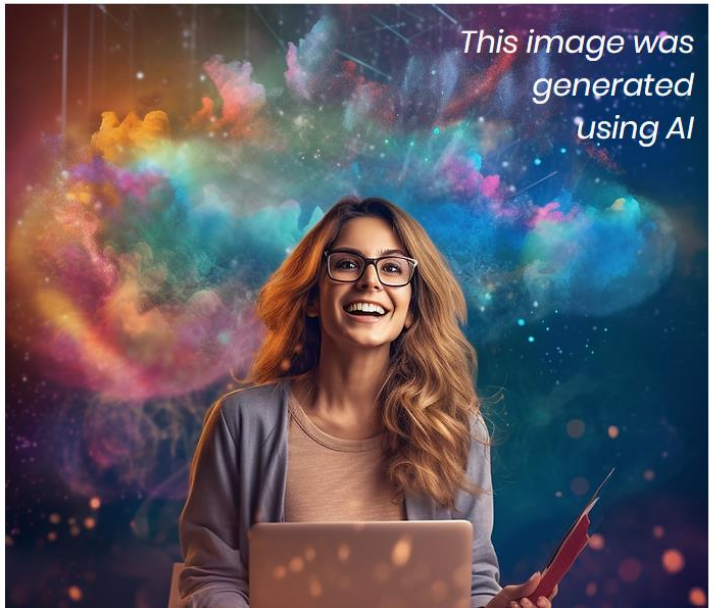
Question Well – questionwell.org



QuestionWell

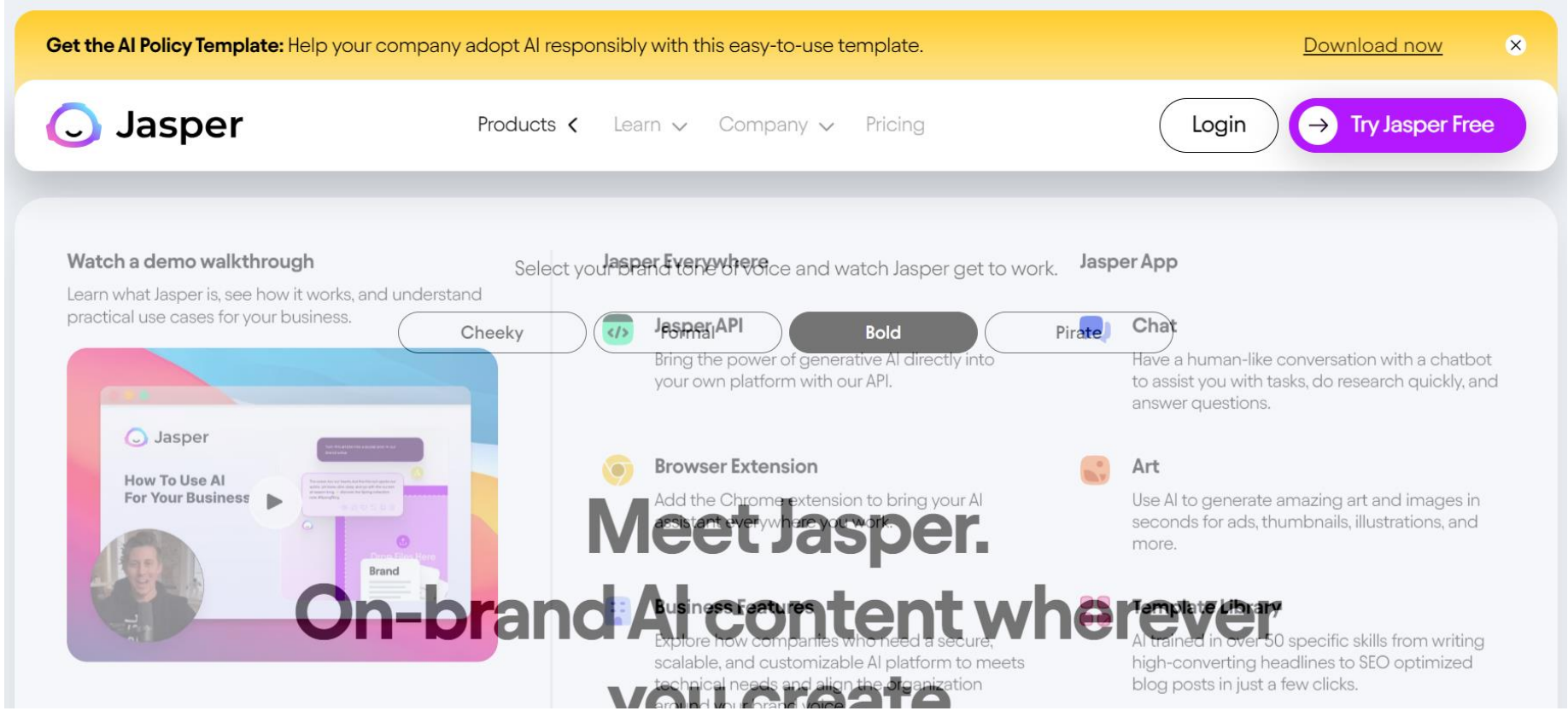
generates an endless supply of questions so teachers can work **smarter** not **harder**.

Just input some reading, and the AI will write Essential Questions, Learning Objectives, and aligned multiple choice questions, which you can then export to your favorite tool.



new era. TECHNOLOGY

Jasper (for admin)

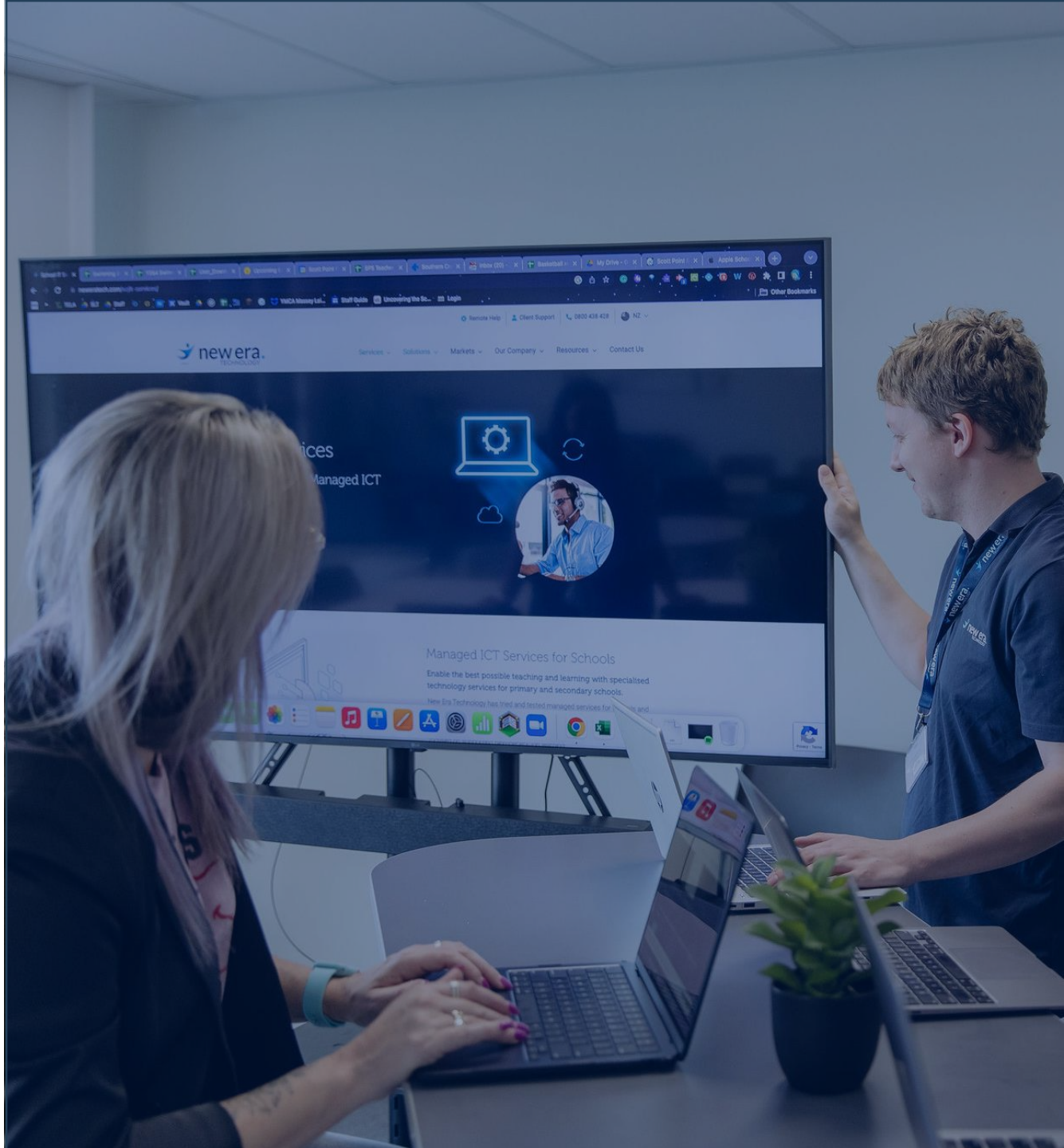


Things I think about when thinking about AI and musings

- Automations and workflows – e.g., Co-pilot
- Quantum Computing – Grover's algorithm and qubits.
- Robotics
- Ethics – personification / clickbait
- What makes us human?
  - Time is respect (in what and how we make things) - In time of lock down – artists, music, movies are what we craved
  - Our connections – whakapapa
  - Just because you, does it mean you should?
  - Haver we over stretched our importance?
  - Are we knocking ourselves down the food chain?
- What are we creating more time for?

new era. TECHNOLOGY

The New Era Model



Q&A

newera.
TECHNOLOGY

Thank You

For more information on todays presentation please contact us on...

0800 438 428

Info.nz@neweratech.com

neweratech.com