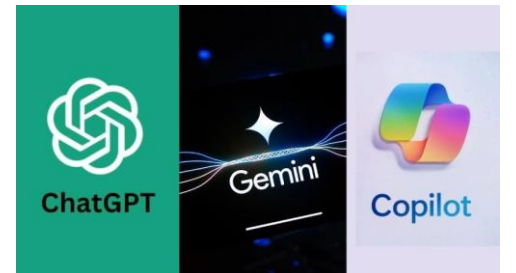


ChatGPT for teaching and learning purposes (11 slides)

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Chatbots – the context

- Lots of interest in chatbots currently
- You have no doubt used one?
- Many, many chatbots exist
- One dominates in recent news – ChatGPT from Openai
 - New release last week GPT-4o and deal with Reddit last week for content
- I've been using ChatGPT 3 & ChatGPT3.5 for a year or so now
- What this session is: my reflections on ChatGPT
- What this session is not: a training session on ChatGPT – see me around at other times this week for more discussion

ChatGPT briefly

- Generative Pre-training Transformer !
- Hundreds of billions of words in a mammoth dataset
- Relies on the users prompts (text prompts typically)
- It answers based on prompt given
- Reflection: GiGo! It reminds of the early days of Search Engines and Twitter (now X)
- Prompt construction is therefore very important

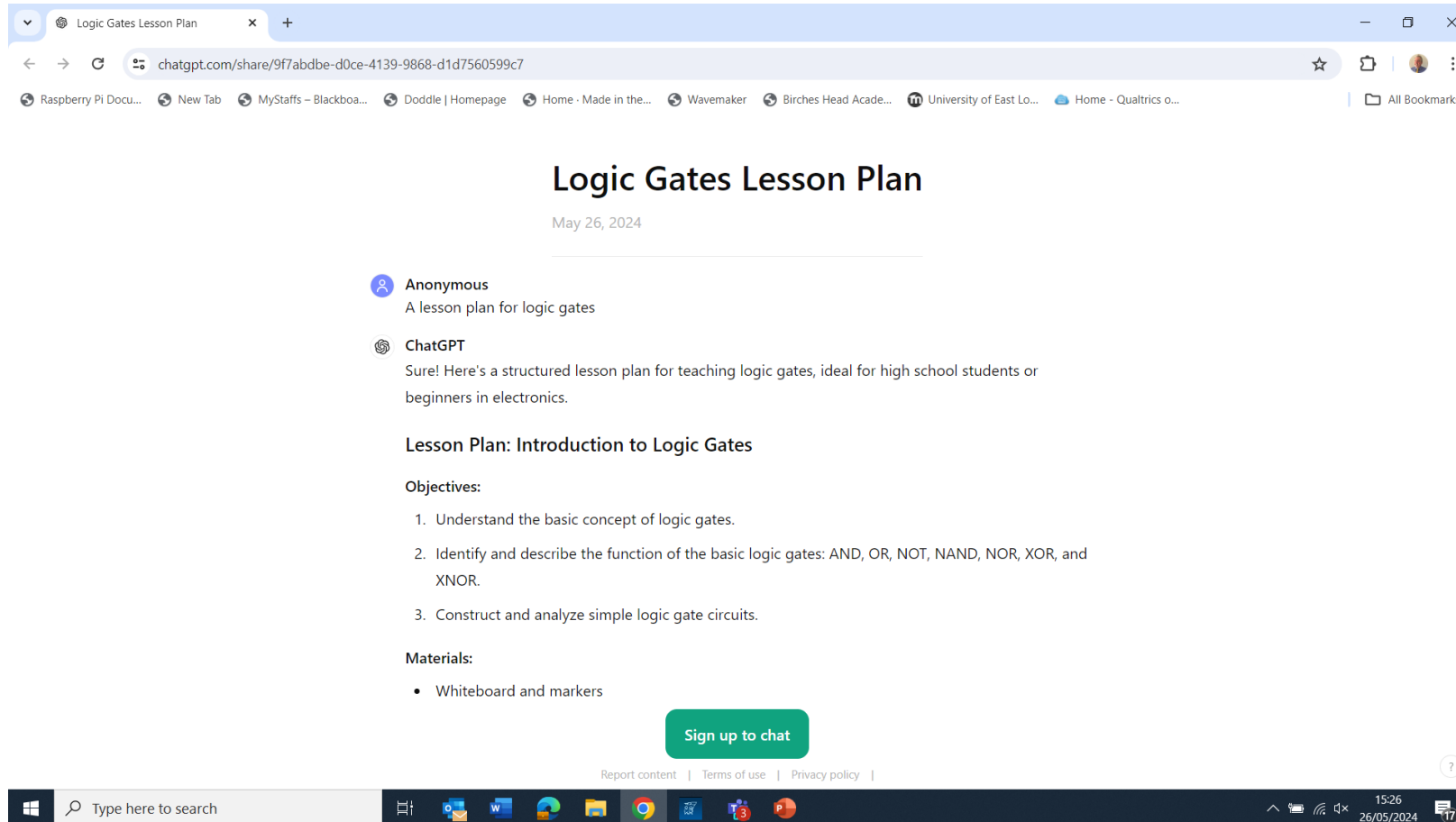
Teaching and learning

- From HE staff point of view
- What are the drudgery jobs/repetitious/manual as an academic?
- <Room activity for staff: **discussion on this**>
- Whilst you are thinking about that, let me recap on VLEs for support
 - Do your students always read the VLE content?
 - Do your students contact you for support in a timely manner?
 - Do your students show self-management of learning?

Drudgery/menial jobs

- Lesson plans
 - Assignment briefs and internal moderation
 - Responding to emails
 - Creating content
 - What else?
-
- Student Support? – not allowed to have said that! 😊
 - Marking – not allowed to have said that! 😊

Example lesson plan



The screenshot shows a web browser window with the title "Logic Gates Lesson Plan" and the URL "chatgpt.com/share/9f7abdbe-d0ce-4139-9868-d1d7560599c7". The page content includes a title "Logic Gates Lesson Plan" dated "May 26, 2024". A conversation between an "Anonymous" user and "ChatGPT" is shown. The user asks for a lesson plan for logic gates. ChatGPT responds with a structured lesson plan for high school students or beginners in electronics. The lesson plan includes objectives and materials.

Logic Gates Lesson Plan
May 26, 2024

Anonymous
A lesson plan for logic gates

ChatGPT
Sure! Here's a structured lesson plan for teaching logic gates, ideal for high school students or beginners in electronics.

Lesson Plan: Introduction to Logic Gates

Objectives:

1. Understand the basic concept of logic gates.
2. Identify and describe the function of the basic logic gates: AND, OR, NOT, NAND, NOR, XOR, and XNOR.
3. Construct and analyze simple logic gate circuits.

Materials:

- Whiteboard and markers

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Automation help for staff

- The conclusion seems to be that ChatGPT can help automate the creation of:
- Content for a variety of things and help collaboration
- Be a guide of best practice
- Can give academics back time to spend on other things
 - Namely support to students
- Personal reflection: that's what I've used it for given caveats of:
 - Use of copyright material
 - No always taking the ChatGPT output as being correct, I'm the human in the loop.

However...downside to ChatGPT

- As always, we look at both sides of the argument
- As an academic I have found ChatGPT to use of up my time in other ways
 - Assessment submissions content i.e. plagiarism <anecdote>
 - We use the usual tools such as Turnitin but this is not enough
 - Incorrect use of language in submissions <anecdote>
 - Formatting, USA focus on spelling

Teaching and Learning – students perspective

- <Room activity for students particularly:
discussion on this>
- What do you use it for?
- Do you trust it?
- What benefits does it give you?

The future - now

- ChatGPT4.o
 - Memory - recalls previous prompts
 - Faster
 - "chatty"
 - Read and discuss images
 - Translate languages
 - Identifies emotions from visual expressions

And finally, for organisational compliance

- ChatGPT et al comes under the umbrella of the new EU AI legislation, USA, UK, OECD, G7, Malaysia, China, Russia all doing the same
- Compliance and use of AI
- Some companies ban the use of ChatGPT, a privacy/ethics
- From my personal perspective ChatGPT is useful for:
 - Writing a draft of a blog post
 - Writing a draft email
 - Writing draft social media content
- But...fact check the output, it is a probable output not necessarily the right output!

Useful recent media references

- [Report: Small Business Owners Embrace the Future - Majority Say They Will Adopt Generative AI - FreshBooks](#)
- [ChatGPT: five uses for businesses and the ethical considerations that must be front of mind | University of Salford](#)
- <https://www.insidehighered.com/blogs/student-affairs-and-technology/university-deploys-chatbot-technology-enhance-student>
- [Generative AI is a game changer for higher education | Computer Weekly](#)