

Developing Open Educational Resources using Wordpress - Session Handout

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Warm Up

Visit <https://mathigon.org/tangram> and choose a house to start build it

Exercise 1: Explore

- learnhub.aucegypt.edu/cltnewsletter/
- learnhub.aucegypt.edu/digitaltoolkit
- What do you think of the user experience?
- What value does it add to convert the material to an interactive site?

Exercise 2: Evaluate the user experience

- Evaluate existing OERs for their user experience and design.
 - www.ted.com
 - act.mit.edu/cavs
- Was it easy to navigate and find what do you need?
- Is the design simple and clean?
- What do you think of the colors used?
-

Exercise 3: Build your First OER

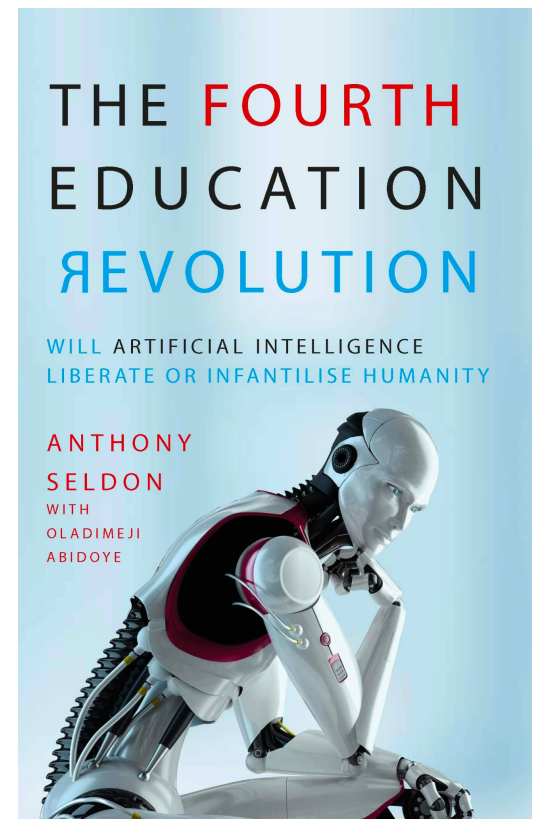
Books

The Fourth AI Revolution (Social Sciences)

Education is of utmost importance if we want to witness AI empowering humanity instead of limiting it. Sir Anthony Seldon, a highly esteemed British educational scholar, delves into the crucial matter confronting education and humanity as a whole: the imminent revolution brought about by Artificial Intelligence (AI). This book serves as a wake-up call to educators worldwide, urging them to broaden their perspectives in order to shape the future of education on a global scale.

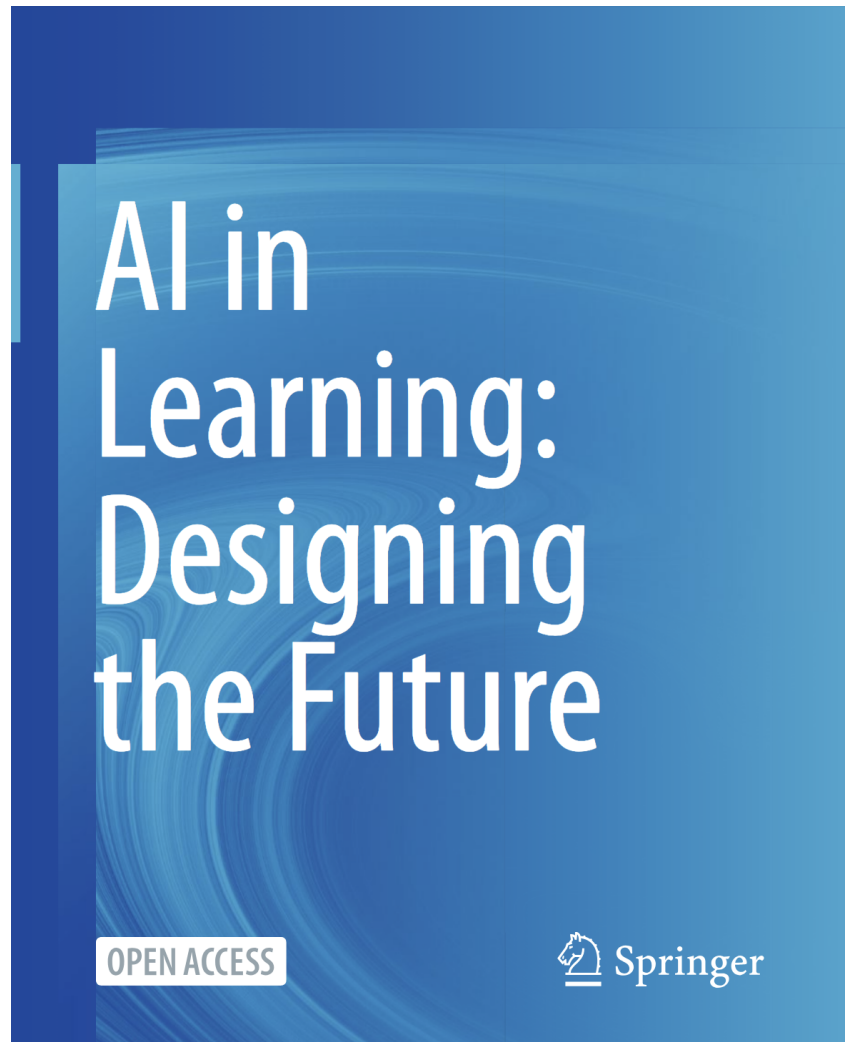
While Britain and the US boast exceptional education systems in their schools and universities, these systems are rooted in the twentieth century. The conventional methods of mass teaching, reminiscent of factory processes, have proven inadequate in addressing long-standing issues of inequality and injustice. Students are expected to progress at a standardized pace, which can dampen motivation and bore certain individuals. Can the AI revolution address and rectify these problems?

This extensive thesis delves into the history of education, exploring various educational approaches with a specific focus on Britain and the USA. It highlights the limitations of current teaching methods in supporting different types of intelligence. The concluding section of the book examines the possibilities for adapting our approaches to new technologies, employing Sir Anthony's innovative ten-part model of education as a comprehensive framework.



AI in Learning: Designing the Future

AI (Artificial Intelligence) is predicted to radically change teaching and learning in both schools and industry causing radical disruption of work. AI can support well-being initiatives and lifelong learning but educational institutions and companies need to take the changing technology into account. Moving towards AI supported by digital tools requires a dramatic shift in the concept of learning, expertise and the businesses built off of it. Based on the latest research on AI and how it is changing learning and education, this book will focus on the enormous opportunities to expand educational settings with AI for learning in and beyond the traditional classroom. This open access book also introduces ethical challenges related to learning and education, while connecting human learning and machine learning. This book will be of use to a variety of readers, including researchers, AI users, companies and policy makers.



Video

Virtual Seminar: What can AI do for the Humanities and Social Sciences?

[▶ Virtual Seminar: What can AI do for the Humanities and Social Sciences? \(Sep 9, 2020\)](#)

The event discussed the growing influence of Artificial Intelligence (AI) in various aspects of human culture and society. It highlighted how AI has been a subject of interest in fields like

philosophy, science fiction, and art for many years. Examples such as Isaac Asimov's Three Laws of Robotics and the heroic droids C-3PO and R2-D2 from Star Wars were mentioned to demonstrate AI's presence in popular culture. The seminar acknowledged that AI is no longer limited to science fiction and emphasized the need for further research into its broader implications for humanity.


The discussion touched upon the impact of digital technology on epistemology, ethics, and policy regulations, raising important questions. The focus then shifted to cutting-edge technologies like AI, Machine Learning (ML), and Image Pattern Recognition (IPR). Concerns were raised regarding the ability of mathematical algorithms, which are essentially descriptive models, to comprehend the complexity of the human condition. Additionally, the seminar examined the applicability of AI and Machine Learning in facilitating critical research within different socio-cultural contexts.

Overall, the event aimed to explore the societal implications of rapidly advancing intelligence systems by combining perspectives from the humanities with practical applications, ranging from historical research to contemporary legal inquiry.

Using AI to Accelerate Scientific Discovery

DeepMind has been at the forefront of numerous significant advancements in the field, particularly in the development of self-learning systems such as AlphaGo. This program made history by defeating the world champion in the highly intricate game of Go. While games have served as valuable testing grounds for AI algorithms, DeepMind's ultimate goal has always been to create general learning systems capable of tackling real-world problems. I firmly believe that we are on the brink of a thrilling new era in science, where AI stands as a potent tool for expediting scientific discoveries themselves.

One recent demonstration of this potential is our AlphaFold system, which successfully addressed the longstanding challenge of protein structure prediction—a quest that had persisted for half a century. The outcome of this endeavor was the release of the most precise and comprehensive depiction of the human proteome, marking a significant milestone in the field.

 Using AI to Accelerate Scientific Discovery

Audio

Creating AI Policy

<https://aipodcast.education/beyond-asimov-creating-ai-policy>

Introduction:

The podcast "Beyond Asimov: Creating AI Policy" delves into the fascinating world of artificial intelligence (AI) and the pressing need for effective policy frameworks. This thought-provoking

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podcast explores the challenges and opportunities associated with AI policy and its potential impact on various aspects of our lives. In this episode, the discussion focuses on moving beyond the influence of science fiction writer Isaac Asimov's laws of robotics and creating comprehensive policies that address the complexities of AI.

Episode Summary:

The podcast episode begins with a brief overview of Isaac Asimov's Three Laws of Robotics, which have played a significant role in shaping public perception and understanding of AI. While these laws provide a theoretical foundation for AI ethics, they fall short when it comes to governing the real-world implications of AI technologies. The conversation then transitions to the need for AI policy that goes beyond Asimov's laws to account for the multifaceted challenges and ethical dilemmas arising from AI advancements.

The expert guests, comprised of leading AI researchers, policymakers, and ethicists, engage in a lively discussion on the current state of AI policy and the importance of creating comprehensive frameworks. They emphasize the necessity of involving diverse stakeholders, including academia, industry, governments, and civil society, to ensure a holistic approach to AI policy-making.

The podcast delves into key topics such as:

1. Ethical considerations: The guests explore the ethical dimensions of AI policy, including issues of bias, fairness, privacy, and accountability. They discuss the need for guidelines that prevent discriminatory algorithms and promote transparency in AI systems.
2. Governance and regulation: The conversation examines the challenges of regulating AI technologies within a rapidly evolving landscape. The guests discuss the potential

Engineering AI with Ming-Ming Cheng

<http://www.wfeo.org/podcast-engineering-leaders-engineering-ai-with-ming-ming-cheng/>

Introduction:

The podcast episode "Engineering AI with Ming-Ming Cheng" delves into the world of artificial intelligence (AI) engineering and its transformative impact on various industries. Hosted by prominent engineering leaders, this captivating discussion features Ming-Ming Cheng, an esteemed expert in the field of AI. Throughout the episode, Cheng shares valuable insights, experiences, and perspectives on the engineering aspects of AI development, highlighting its challenges, opportunities, and ethical considerations.

Episode Summary:

The podcast begins by introducing Ming-Ming Cheng, an accomplished AI engineer renowned for her contributions to the field. Cheng's expertise spans a wide range of AI applications, including computer vision, image understanding, and machine learning. With her wealth of knowledge and experience, she provides listeners with an engaging exploration of engineering AI.

Cheng discusses key aspects of AI engineering, focusing on the following areas:

1. **Algorithm Development:** Cheng emphasizes the critical role of algorithm development in engineering AI. She explains the importance of designing efficient and accurate algorithms that can handle complex tasks, such as object recognition, semantic segmentation, and image classification. Cheng shares insights into the challenges faced in algorithm development, including data scarcity, model optimization, and algorithmic bias.
2. **Data Collection and Annotation:** The conversation delves into the significance of high-quality data in AI engineering. Cheng highlights the need for extensive data collection and proper annotation, explaining how these processes contribute to training robust AI models. She discusses the importance of addressing biases in training data to ensure fairness and inclusivity in AI systems.
3. **Ethical Considerations:** Cheng addresses the ethical challenges associated with AI engineering. She emphasizes the responsibility of AI engineers to develop technologies that adhere to ethical principles, such as fairness, transparency, and privacy. Cheng

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discusses the importance of addressing bias, ensuring the explainability of AI systems, and safeguarding user data.

4. Industry Applications: The podcast explores the wide-ranging applications of AI engineering across industries. Cheng shares examples of how AI is transforming fields such as healthcare, autonomous vehicles, and robotics. She highlights the potential of AI to revolutionize these sectors while emphasizing the need for responsible and safe implementation.

Conclusion:

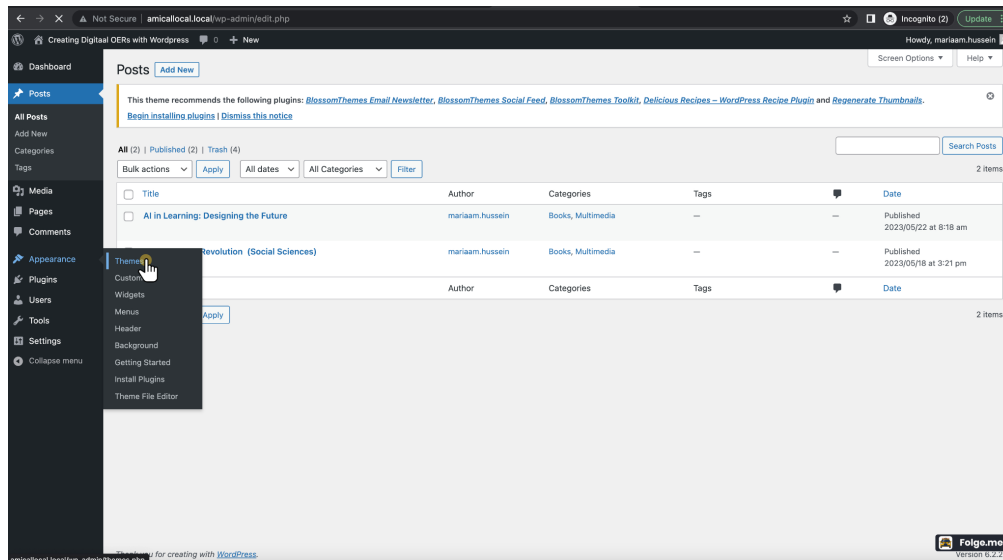
"Engineering AI with Ming-Ming Cheng" provides listeners with valuable insights into the world of AI engineering. Through the expertise and experiences of Cheng, this podcast episode sheds light on the challenges and opportunities inherent in developing AI algorithms, collecting and annotating data, and addressing ethical considerations. It serves as a valuable resource for engineers, researchers, and enthusiasts seeking to understand the complexities of engineering AI and its impact on society.

Regenerate response

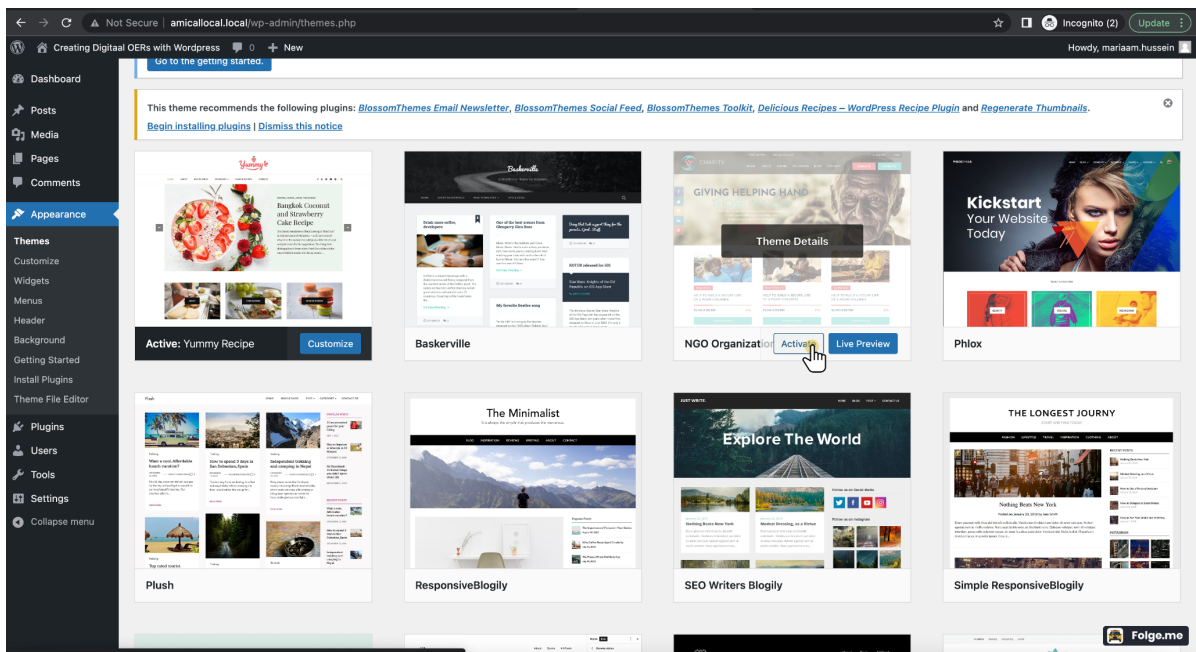
Creating Your OER on Wordpress

Add a Theme

1. Click on Appearance -> Themes

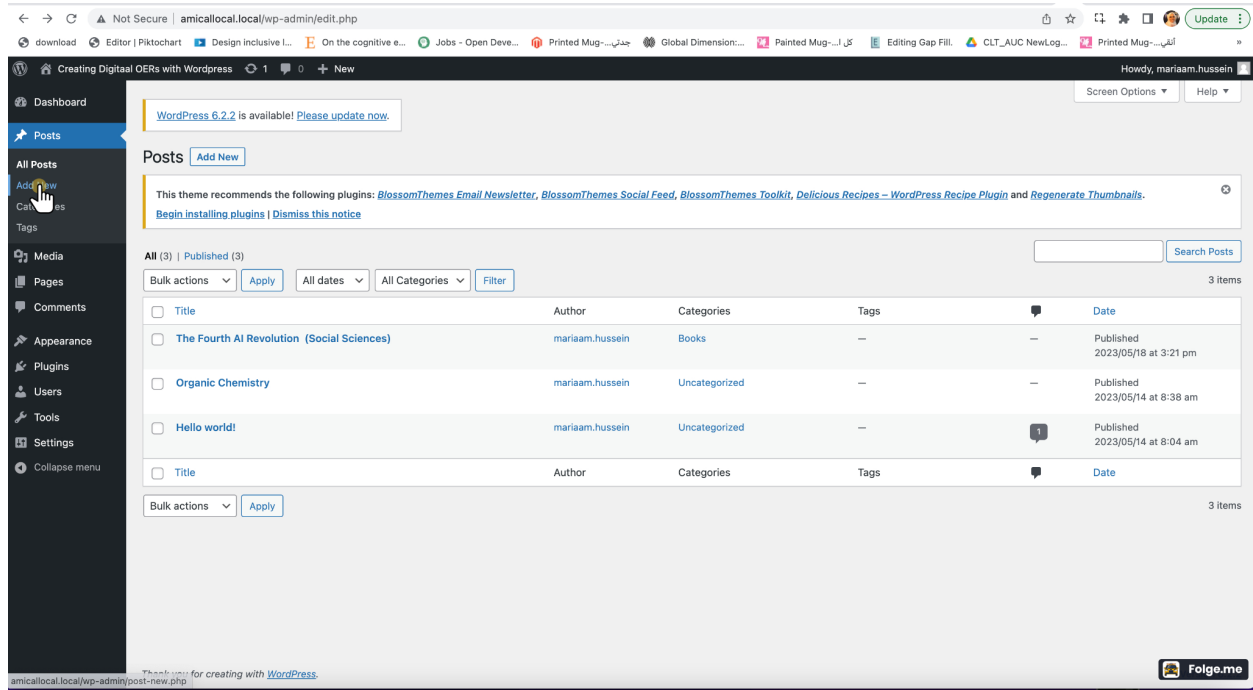


2. Select your theme, and press activate (make sure your selected theme already has a menu and all the elements you might need)



Add New Posts

1. Go to Posts -> Add New Post

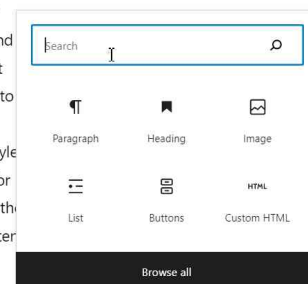


2. Copy and Paste the first content of the book

The Fourth AI Revolution

Heading

Nothing matters more than education if we are to see AI liberate, not infantilise humanity. Highly respected British educational scholar, Sir Anthony Seldon, explores the most important issue facing education (and humanity at large): the fast approaching revolution in Artificial Intelligence or AI. This book is a call to educators everywhere to open their eyes so that we can begin shaping the future of education around the world. Britain and the US have an excellent education system in their schools and universities... but it is tailored to the twentieth century. The factory mass teaching methods of the last educational era have failed to conquer enduring problems of inequity and unfairness. Students have to make progress at a set rate which can demotivate and bore some. Will the AI revolution be able to remedy these problems? This extended thesis explores the history of education, the many different styles of education (with a particular focus on Britain and the USA), and the different types of intelligence for which current teaching methods are unable to provide any support. The final part of the book covers the possibilities for how we can adapt our methods to new technologies, using Sir Anthony's innovative part model of education as a framework.

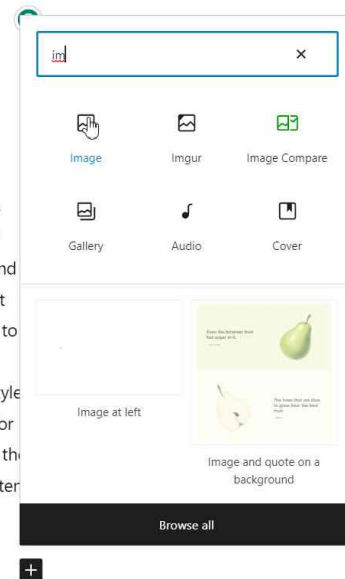


3. Click on + sign and type image to add a new image

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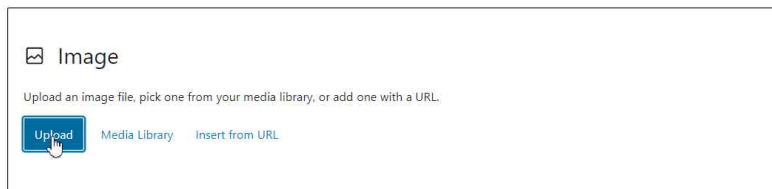
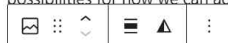


4. Upload the image

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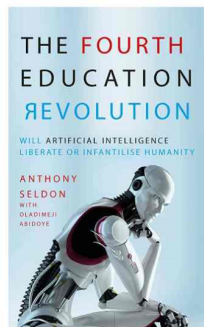
5. From Posts at right, add a new parent category(Multimedia)

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Pending review

Move to trash

Categories

SEARCH CATEGORIES

Uncategorized

Add New Category

NEW CATEGORY NAME

Multimedia

PARENT CATEGORY: Multimedia

— Parent Category —

Add New Category

Tags

ADD NEW TAG

Separate with commas or the Enter key.

MOST USED

[online teaching](#) [student engagement](#)

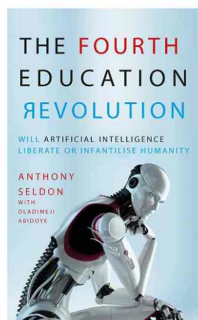
Then add “Books” category, but under the Parent Category “Multimedia”

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Post Block

Pending review

Move to trash

Categories

SEARCH CATEGORIES

Multimedia

Uncategorized

Academic Integrity

Active Learning

Assessment

Design Thinking

Add New Category

NEW CATEGORY NAME

Book

PARENT CATEGORY

— Parent Category —

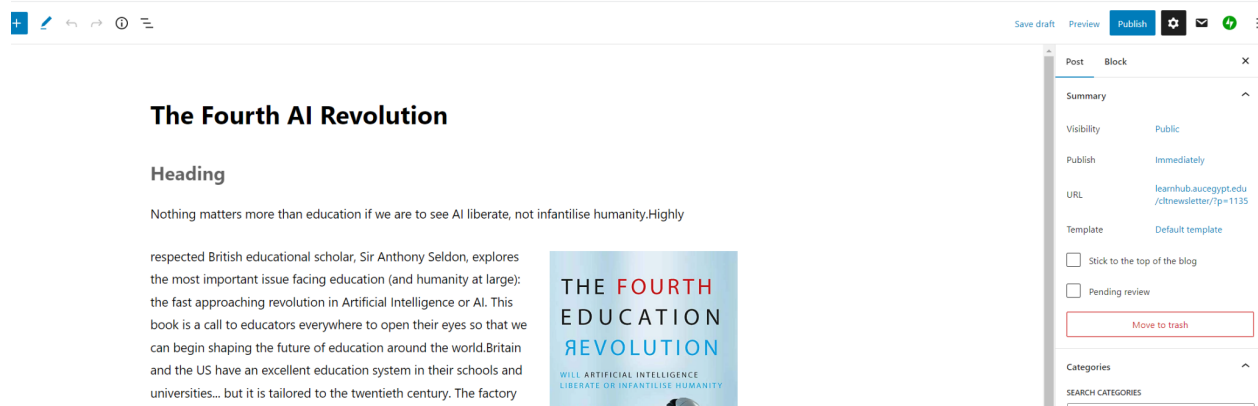
— Parent Category —

Multimedia

Uncategorized

*Note that you do this only when you add a new category. In another post under the same category, you will only select

6. Click on Publish to publish your post



The screenshot shows a WordPress post editor interface. The main content area displays the title "The Fourth AI Revolution" and a sub-heading "Heading". Below the heading, there is a paragraph of text: "Nothing matters more than education if we are to see AI liberate, not infantilise humanity. Highly respected British educational scholar, Sir Anthony Seldon, explores the most important issue facing education (and humanity at large): the fast approaching revolution in Artificial Intelligence or AI. This book is a call to educators everywhere to open their eyes so that we can begin shaping the future of education around the world. Britain and the US have an excellent education system in their schools and universities... but it is tailored to the twentieth century. The factory". To the right of the text is a book cover titled "THE FOURTH EDUCATION REVOLUTION" by Sir Anthony Seldon. The book cover features the text "WILL ARTIFICIAL INTELLIGENCE LIBERATE OR INFANTILISE HUMANITY?". The top right of the editor shows buttons for "Save draft", "Preview", and "Publish". A sidebar on the right contains post settings: "Post Block", "Summary", "Visibility: Public", "Publish: Immediately", "URL: learnhub.aucegypt.edu/cftnewsletter/?p=1135", "Template: Default template", and checkboxes for "Stick to the top of the blog" and "Pending review". A "Move to trash" button is also visible in the sidebar.

We will continue adding the rest of our content , Create a new post for each content. Here we will just show you how you embed content from other websites that allows you to share their content like youtube, and other sites.

In this example, we will add a podcast from this link

<https://aipodcast.education/beyond-asimov-creating-ai-policy>

1. Add a new post again

2. Go to the [site](#) and Click on the embed icon



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Welcome to the AI in Education podcast

With Dan Bowen, Beth Worrall, and Lee Hickin from Microsoft Australia

It's a fortnightly chat about Artificial Intelligence in Education - what it is, how it works, and the different ways it is being used. It's not too serious, or too technical, and is intended to be a good conversation of background information.

Of course, as well as getting it here on the website, you can also just subscribe to your normal podcast service:



"This podcast is produced by Microsoft Australia & New Zealand employees, Lee Hickin, Dan Bowen, and Beth Worrall. The views and opinions expressed on this podcast are our own."



All Episodes / Beyond Asimov - Creating AI Policy

Beyond Asimov - Creating AI Policy



Oct 8, 2021

In this podcast Dan and Lee speak to a lead policy maker Aurelie Jacquet and discover how policy is created and how this has developed over the last several years.

Aurelie - [Linkedin](#) : Aurelie Jacquet [Linkedin](#)
ISO Standards: ISO - ISO/IEC JTC 1/SC 42 - Artificial Intelligence

3. Copy the text you see

AI in Education [About](#) [Contact](#) [Episodes](#)

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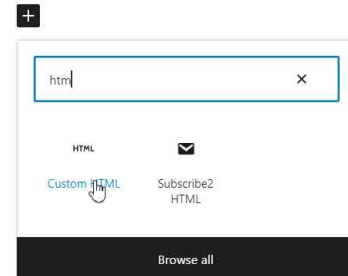
4. Go back to your wordpress post, click the + and choose custom HTML

Add title



In this audio, Dan and Lee talk to Aurelie Jacquet, a key policymaker, to learn how policies are made and how this process has changed over the years.

Type / to choose a block



5. Paste the content you copied, then click preview

Add title



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```
<iframe title="Libsyn Player" style="border: none" src="//html5-player.libsyn.com/embed/episode/id/20750582/height/90/theme/custom/thumbnail/yes/direction/forward/render-playlist/no/custom-color/00b294/" height="90" width="100%" scrolling="no" allowfullscreen webkitallowfullscreen mozallowfullscreen oallowfullscreen msallowfullscreen></iframe>
```

6. Now you have the podcast embedded in your website

Add title

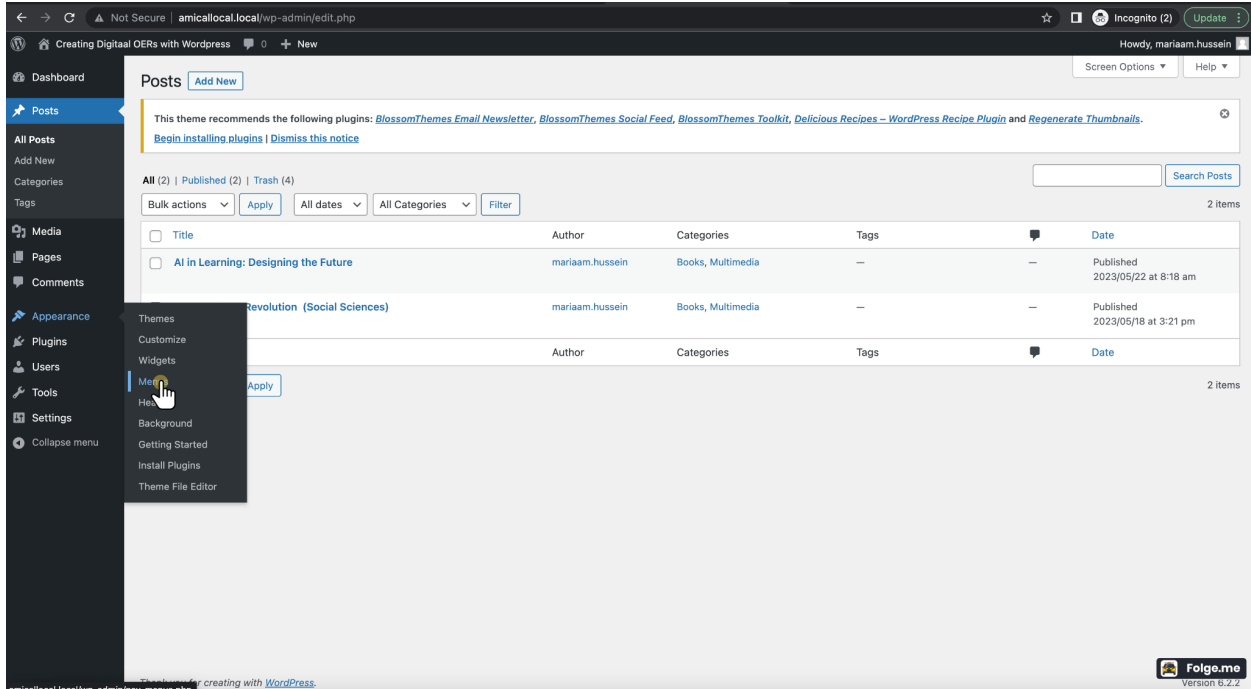


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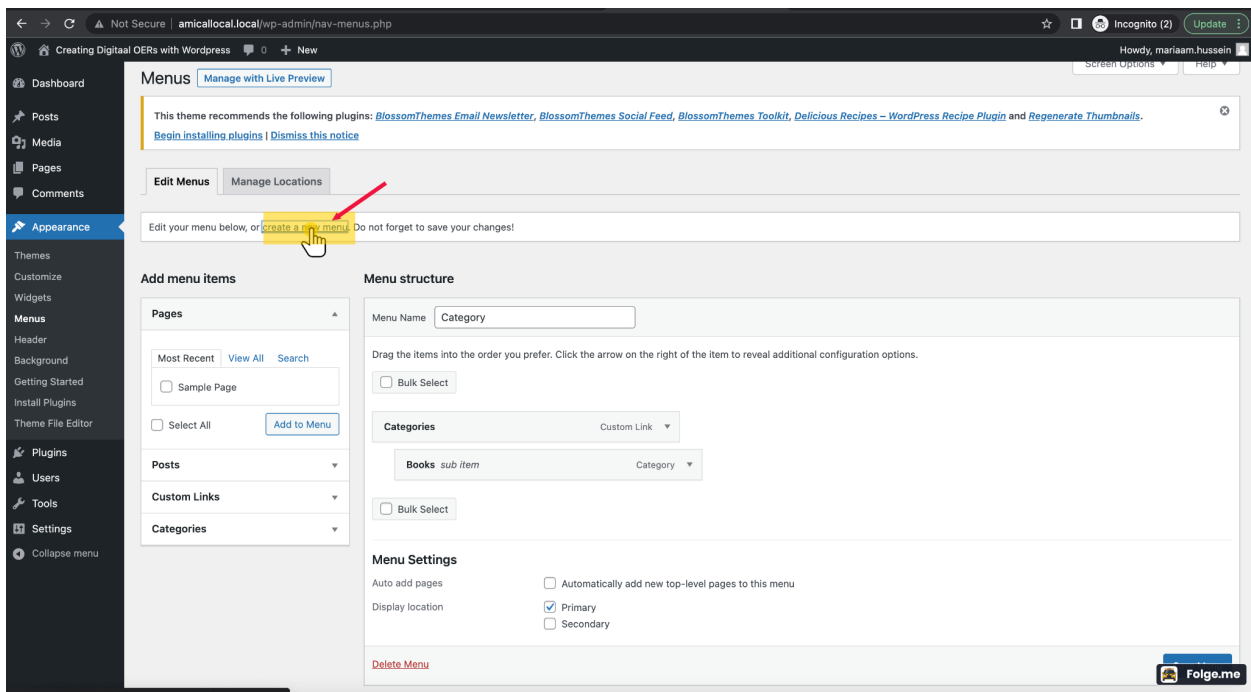


Add a Menu

1. Click on Appearance ->Menu



2. Click on Create New Menu



3. Write a name for the menu, then click on create menu

The screenshot shows the WordPress Admin interface for creating a new menu. The 'Menu Name' field is filled with 'Categories Menu'. The 'Menu Settings' section shows 'Display location' set to 'Primary'. The 'Create Menu' button is highlighted with a mouse cursor.

4. To select which items you want to include in the menu, select the items, click add to menu, and press save

The screenshot shows the 'Add menu items' step in the WordPress Admin. The 'Add to Menu' button is highlighted with a yellow box and a red arrow. The 'Menu Settings' section shows 'Display location' set to 'Primary'.

5. Click on manage locations, then select your menu as the primary menu, and press save

The screenshot shows the WordPress admin interface for managing menus. The page title is "Menus" and it includes a "Manage with Live Preview" button. A notification banner at the top recommends several plugins. Below this, there are two tabs: "Edit Menus" and "Manage Locations", with the latter being highlighted and pointed to by a red arrow. The main content area displays "Your theme supports 2 menus. Select which menu appears in each location." There are two rows for "Theme Location": "Primary" and "Secondary". The "Primary" row has a dropdown menu open, showing "Categories" selected. The "Secondary" row has a dropdown menu with "Select a Menu" selected. There are "Edit" and "Use new menu" links for each row. A "Save Changes" button is located at the bottom left of the main content area. The footer includes a "Folge.me" logo and the text "Version 6.2.2".

Wrap up

Link: https://padlet.com/mariam_hussein/wordpress-compass-of-viewpoints-u2biblhxxr1fa33