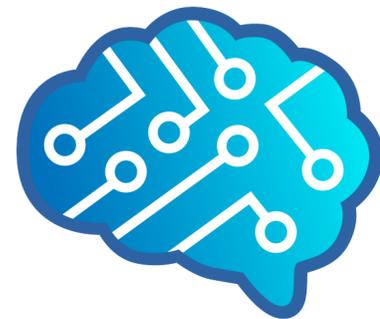


Teacher & Parent Getting Started Guide



DIGITAL
TECHNOLOGIES
INSTITUTE

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Overview

- Teachers / Home School parents register themselves for free
- They then purchase student accounts in the shop
- The following slides show the steps of this process

Teacher account

Create a free teacher / home school account at www.mycomputerbrain.net

Latest News: New Generative AI Course released. Learn how GenAI works, and how it creates images and text | New Experiment: Plant Growth with AI. Use

[Courses](#) [Home](#) **Login**

My Computer Brain

Gain a deep and intuitive understanding of Digital Technologies key concepts and their practical application. Explore logic, artificial intelligence, binary numbers, pixel graphics, algorithms and the inner workings of a computer processor.

Suitable for primary, secondary and tertiary students of Digital Technologies and Computer Science.

Getting Started

202305 My Computer Brain Trailer

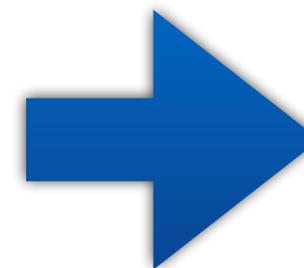
Quick overview

202305 Teachers Parents getting started

Computing without Coding

Teacher + parent getting started video or [PPT](#).

[About Us](#) [Cookies](#) [Refund](#) [Privacy Policy](#) [Terms of Service](#) [FAQ](#)



Welcome. Please login.

email or user id

password

LOGIN

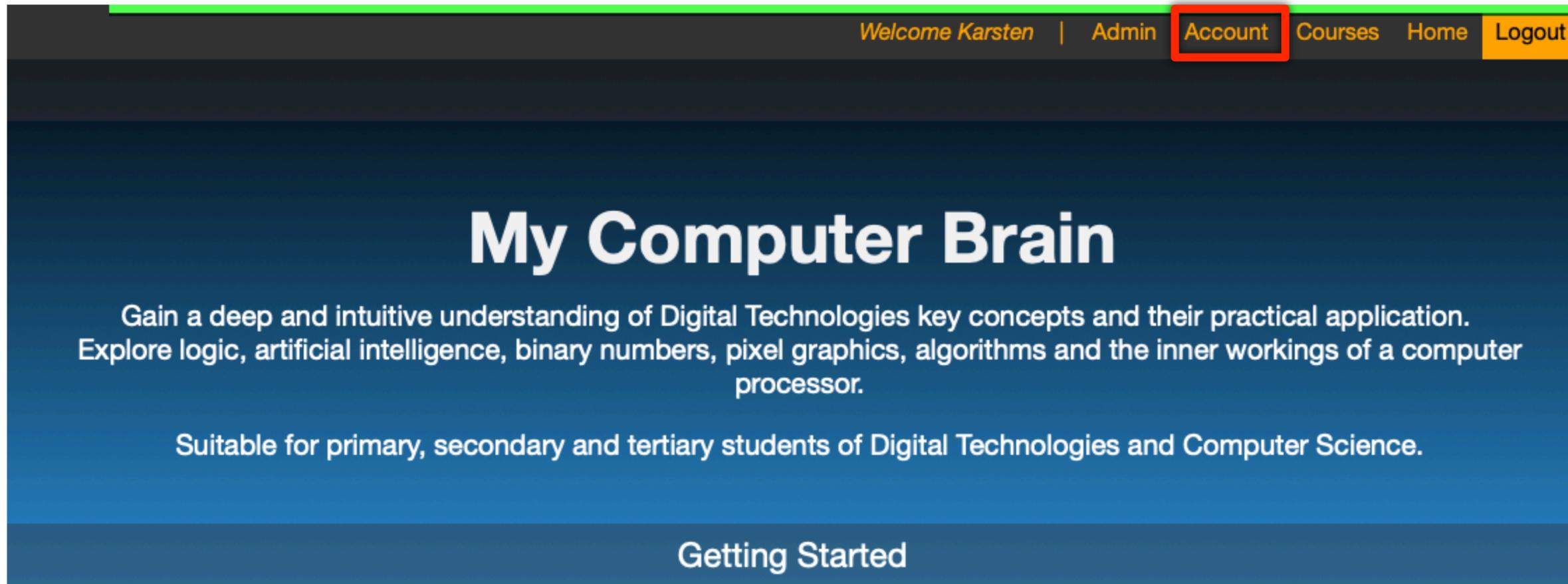
Teacher and not registered? **Create a free account**

Teacher and forgotten password? [Reset password](#)

Student and not registered or forgotten password? Please talk to your teacher.

Creating Student accounts

Click on Account



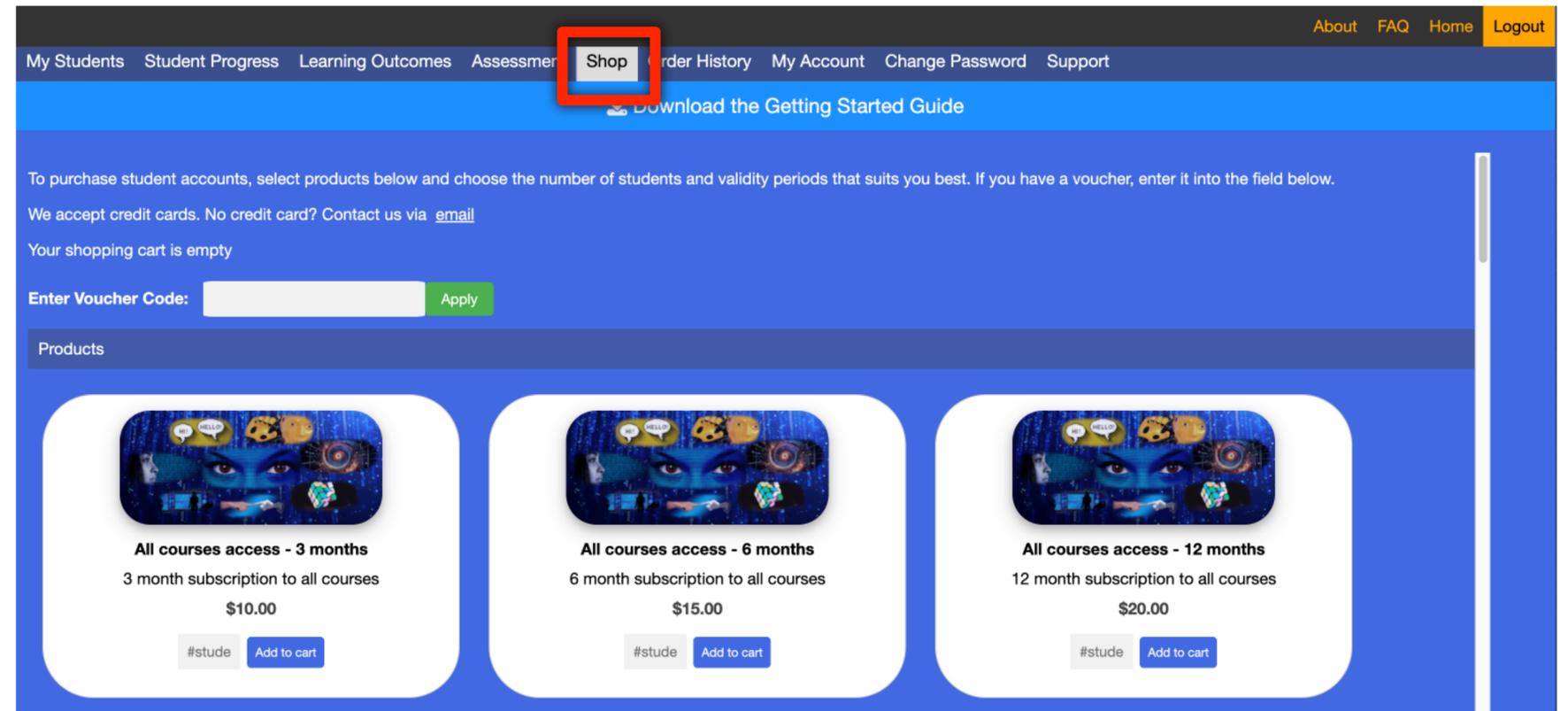
The screenshot shows a website interface. At the top, a dark navigation bar contains the text "Welcome Karsten | Admin | Account | Courses | Home | Logout". The "Account" link is highlighted with a red rectangular box. Below the navigation bar, the main content area has a dark blue background. It features the title "My Computer Brain" in large white font. Underneath the title, there is a paragraph of white text: "Gain a deep and intuitive understanding of Digital Technologies key concepts and their practical application. Explore logic, artificial intelligence, binary numbers, pixel graphics, algorithms and the inner workings of a computer processor." Below this paragraph is another line of white text: "Suitable for primary, secondary and tertiary students of Digital Technologies and Computer Science." At the bottom of the main content area, there is a dark blue button with the text "Getting Started" in white.

Select a product or enter the voucher code.

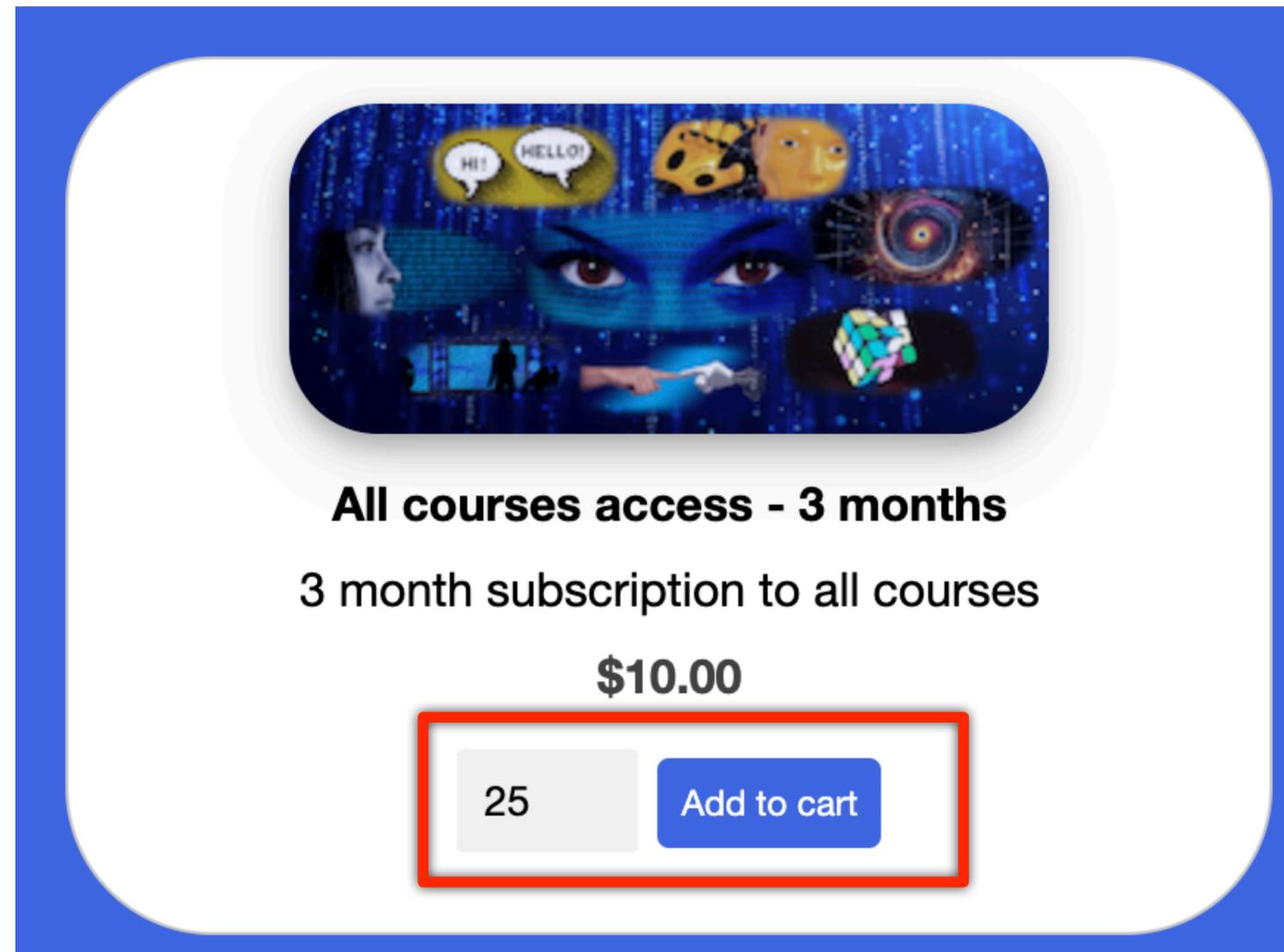
Either choose individual courses or all course access.

Each is available for 3, 6, or 12 months

In the shop



Enter number of student licenses and click on 'Add to cart'



The image shows a product card with a blue border. At the top is a rounded rectangle containing a collage of digital-themed images: a woman's profile, a blue face with eyes, a yellow robot head, a colorful eye, and a Rubik's cube. Below this is the text 'All courses access - 3 months' in bold, followed by '3 month subscription to all courses' and '\$10.00'. At the bottom, a red-bordered box contains a quantity input field with '25' and a blue 'Add to cart' button.

All courses access - 3 months
3 month subscription to all courses
\$10.00

25 Add to cart

Click on Checkout

Shopping Cart							Empty Cart	Checkout →
Name	Code	Quantity	Price	Action		Subtotal		
All courses access - 3 months	B4-C-ALL-03	25	\$10.00	update quantity	Remove Item	\$250.00		
						Total: \$250.00		

Confirm your details and click 'Proceed'

Shopping Cart ← Back to store **Proceed →**

Name	Code	Quantity	Price	Action	Subtotal
All courses access - 3 months	B4-C-ALL-03	25	\$10.00	update quantity Remove Item	\$250.00
Total: \$250.00					

Title **Name** **Surname**

Email **Phone** **School**

Street and Number **Postcode** **City**

State **Country**

[Cancel](#) [Save](#)

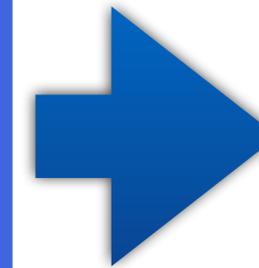
Click on 'Pay with Card' and enter CC details in the popup

Shopping Cart ← Back to store

Name	Code	Quantity	Price	Action	Subtotal
All courses access - 3 months	B4-C-ALL-03	25	\$10.00	update quantity Remove Item	\$250.00
Total: \$250.00					

Once the payment is complete, you will be automatically redirected to the My Students page where you will find the new student accounts.

[Pay with Card](#)



Digital Technologies Instit...
Shopping Cart

Email

Card number

MM / YY CVC

[Pay \\$250.00](#)

The system will create the accounts and redirect to the next screen

Distribute usernames+passwords to your students

If you like, you can add names/surnames (optional)

The screenshot shows a web interface for managing student accounts. At the top, there is a navigation bar with links: My Students, Assessment, Shop, Order History, My Account, Change Password, and Support. Below this, the 'My Students' section is highlighted. A yellow button labeled 'Export Student Accounts as CSV' is visible. A text instruction reads: 'You can copy & paste student names, surnames or passwords directly from Excel into the table below. Copy only one column at a time!'. Below the instruction is a table with the following structure:

Name	Surname	Username	Password	Product	Validity
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25
				B4-C-ALL-03	2020-06-25

At the bottom of the interface, there is a footer with a 'Display a menu' link on the left and a list of links: Logout, About, Refund, Privacy, Terms, FAQ, Home on the right.

Assessment tasks

My Students Student Progress Learning Outcomes **Assessment** Shop Order History My Account Change Password Support

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Student Assessment Tasks

Title	Type	Duration	Abstract	Bands	Prerequisites	Format	Download link	Solution
Binary to Decimal Number Conversion	Quiz	10-20 minutes	20 binary numbers that need to be converted into their decimal representation. Suitable to test students' understanding of the binary number system	5-6, 7-8	B4 Computer Processor Kit, B4 Primary Starter Kit	PDF	Quiz Sheet	Solution Sheet
Binary Addition	Quiz	20-40 minutes	20 Binary addition questions. Suitable to test students' understanding of the binary number system	5-6, 7-8	B4 Computer Processor Kit, B4 Primary Starter Kit	PDF	Quiz Sheet	Solution Sheet
Binary Subtraction	Quiz	20-40 minutes	20 Binary subtraction questions with the 1's complement method. Suitable to test students' understanding of the binary number system	5-6, 7-8	B4 Computer Processor Kit, B4 Primary Starter Kit	PDF	Quiz Sheet	Solution Sheet
B4 Practical	Test	50 minutes	Students build one of two possible machines with B4 modules.	7-8	B4 Computer Processor Kit	DOC	Worksheet	Test A Test B
B4 Final Assessment	Project	4-7 weeks	Students investigate digital System, historic approaches to computing, and design and build a general-purpose	7-8	B4 Computer Processor Kit	DOC	Worksheet	N/A

Learning Outcomes

My Students Student Progress **Learning Outcomes** Assessment Shop Order History My Account Change Password Support

[Download the Getting Started Guide](#)

Learning Outcomes

Generative AI Refresh

Question: What do you hope to learn from this course?

Username	Answer 1
753360	don't know (2024-07-16 13:52:16)
753377	Everything about AI (2024-09-11 11:47:55)

[Export to CSV](#)

Question: What do you like best so far?

Username	Answer 1	Answer 2	Answer 3	Answer 4
753360	i like a, b, c (2024-07-16 13:52:56)	great course (2024-07-18 07:21:14)		
753377	I like the quiz (2024-09-11 11:49:50)	Wow, the animations really rock (2024-09-11 16:41:20)	The interactive quizzes and simulations are great. I loved that I could draw emojis and observe how the AI learned them (2024-09-13 09:13:50)	Creating images is cool (2024-09-13 11:00:27)

[Export to CSV](#)

Lesson Plans

LPs are attached to the respective experiment

Welcome Karsten | Admin Account Courses Home Logout

The screenshot displays a grid of 20 experiment cards. Each card features a representative image, a title, and a subtitle. A red box highlights a 'Lesson Plan' icon (a document with a pencil) that is attached to the top right corner of the card for experiment 14, 'Home Automation with AI'. The text 'Lesson Plan' is written vertically on the icon.

- 9. An AI number converter (requires student licence)
- 10. Investigating the hidden layer (requires student licence)
- 11. Alphabet (requires student licence)
- 12. Inside the artificial neuron
- 13. Let's be an artificial neuron (requires student licence)
- 14. Home Automation with AI (Lesson Plan attached)
- 15. Personalised Home Automation with AI
- 16. An AI Librarian
- 17. Anti-bullying AI
- 18. AI Scientist
- 19. Data Bias in AI
- 20. Solving data bias

Course List

Courses



Generative AI

A course that introduces students to generative AI

38 Lessons
Bands: 7-8, 9-10



Artificial Intelligence Introduction

A course that introduces students to artificial intelligence with neural networks.

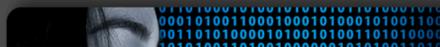
28 Lessons
Bands: 7-8, 9-10



Artificial Intelligence: Robotics

A course that introduces students to artificial intelligence through a virtual robot.

18 Lessons
Bands: 5-6



Computer Processor

A course that explores binary

SafeAI

The screenshot displays the SafeAI web interface. At the top right, there is a navigation bar with links for [Back to Course](#), [Courses](#), [Account](#), [Home](#), and [Logout](#). Below this, a blue header contains a hamburger menu icon and the text "Instructions".

The main content area features a central diagram of an Artificial Neural Network (ANN) with an "Input Layer" and an "Output Layer". To the left of the ANN, there is a 4x4 grid of black and white pixels representing an input image. Below this grid, a small box contains the text "Happy" and "Sad" with arrows pointing to the ANN's input nodes. A slider labeled "Emojis" is positioned below the text box. A green button with the text "ANNOTATE IMAGES" and "CLICK HERE WHEN DONE" is highlighted with a green glow.

To the right of the ANN diagram is a gauge labeled "Knowledge" and "Training Cycles". Below the gauge, there is a row of image classification results. The first two images are labeled "Happy" and "Sad" respectively. The remaining images are grouped under the label "Unclassified".

At the bottom of the interface, there is a dark grey footer with the following text: [X-Ray Wires](#), [Hide Wires](#), [Hide Labels](#), [Reset Experiment](#), [Previous](#), and [Next](#).

Quizzes

Back to Course Courses Account Home Logout

Question 1: What is Generative AI's primary method for creating content?
(Select 1 correct answer)

It creates entirely new content from scratch

It copies content from other AI models

It learns from large datasets and replicates patterns

It uses random numbers to generate new content

Next Question Submit Answer

29. Generative AI: Ethics and bias quiz

Quiz time -

Let's recap what you have learnt about neural networks so far. The previous experiment does contain the answers to the questions in this quiz. How well do you think you'll do?

Reset Experiment Previous Next

Learning Journey

Back to Course Courses Account Home Logout							
☰ Instructions							
Learning Journey							
Question	Answer 1	Answer 2	Answer 3	Answer 4			
	July 2, 2024, 3:05 PM	July 2, 2024, 3:06 PM	July 2, 2024, 3:08 PM	July 2, 2024, 3:10 PM			
How would you describe an artificial intelligence?	It is how computers become smart?	Artificial neurons are like little computers that make the AI tick.	Data flows from Artificial neurons. Each time it gets data, it works on it, and passes it on to the next neurons. The neurons use multiplication, addition and functions.	AI is adaptive. Even if it is partially damaged, it can still function. This is similar to how a human recovers after brain injury.			
Download as CSV							
Learning Journey							
Question	Answer 1	Answer 2	Answer 3	Answer 4	Answer 5	Answer 6	Answer 7
	May 23, 2024, 3:28 PM	May 23, 2024, 3:36 PM	May 26, 2024, 1:46 PM	May 26, 2024, 2:05 PM	May 26, 2024, 3:53 PM	July 2, 2024, 3:06 PM	July 2, 2024, 3:10 PM
What do you like best so far?	The quizzes are fun	I think I did well in the first assessment	Wow, the artificial neuron simulation was really slick!	I liked how I could design my own emojis for the AI to recognize	I like this course a lot	The course is really cool	best course ever !
Download as CSV				Reset Experiment Previous Next			