

technocamps

Inspiring | Creative | Fun
Ysbrydoledig | Creadigol | Hwyl



www.technocamps.com



Artificial Intelligence

Artificial Intelligence is the development of intelligent machines and software. Alan Turing developed a Turing Test assessing whether a machine is indistinguishable from a human, thus considered “intelligent”. Are computers intelligent or not? Looking at online tools such as ChatBots, including “Turi” developed by Aberystwyth University, helps us look at Turing’s work on the intelligence of machines. Copies of Turing’s paper “Computing machinery and intelligence” can be found online for further reference to the idea of “artificial intelligence” and using tests to compare human conversation skills and a machine’s coded responses.



Skills

- Problem Solving
- Communication
- Improving Own Learning and Performance
- Working with Others
- ICT
- Numeracy
- Creativity

Key Learning Outcomes

- Recognising and understanding terms/names
- Understand Human vs Machine intelligence
- Carry out conversations with ChatBots

Workshop Outline

- Telephone Turing Test
- What is a ChatBot?
- What is intelligence?
- Programming your own ChatBot

Why Technocamps?

Technocamps is an exciting project that provides free workshops to young people on programming, robotics, game design, app development and much more... It is about getting young people (11-19) in Wales excited about Computer Science and STEM and challenging them to think about the world around them in a different way.

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Deallusrwydd Artiffisial

Deallusrwydd Artiffisial yw datblygu peiriannau a meddalwedd deallus. Gwnaeth Alan Turing ddatblygu Prawf Turing sy'n asesu a oes modd gwahaniaethu rhwng peiriant a pherson, ac os na, a yw'n felly'n cael ei ystyried yn "ddeallus". A yw cyfrifiaduron yn ddeallus ai peidio? Mae edrych ar offer ar-lein megis ChatBots, gan gynnwys "Turi" a ddatblygwyd gan Brifysgol Aberystwyth, yn ein helpu i edrych ar waith Turing ar ddeallusrwydd peiriannau. Mae copïau o bapur Turing "Computing machinery and intelligence" ar gael ar-lein er gwybodaeth bellach am y syniad o "ddeallusrwydd artiffisial" a defnyddio profion i gymharu sgiliau sgrwsio pobl ag ymatebion cod peiriant.



Sgiliau

- Datrys Problemau
- Cyfathrebu
- Gwella Perfformiad a Dysg eu hunain
- Gweithio gydag eraill
- TGCh
- Rhifedd
- Creadigrwydd

Deilliannau Dysgu Allweddol

- Adnabod a deall termau/enwau
- Deall deallusrwydd Pobl yn erbyn Peiriannau
- - Cynnal sgysiau â ChatBots

Amlinelliad o'r Gweithdy

- Y Prawf Ffôn Turing
- Beth yw ChatBot?
- Beth yw ChatBot?
- Rhaglennu eich ChatBot eich hun

Pam Technocamps?

Mae Technocamps yn brosiect cyffrous sy'n darparu gweithdai am ddim i bobl ifanc ar raglennu, roboteg, dylunio gemau, datblygu apps a llawer rhagor. Ei fwriad yw cael pobl ifanc (11-19 oed) yng Nghymru i ymddiddori mewn Cyfrifiadureg a phynciau STEM a'u herio i feddwl am y byd o'u cwmpas mewn modd gwahanol.