technocamps
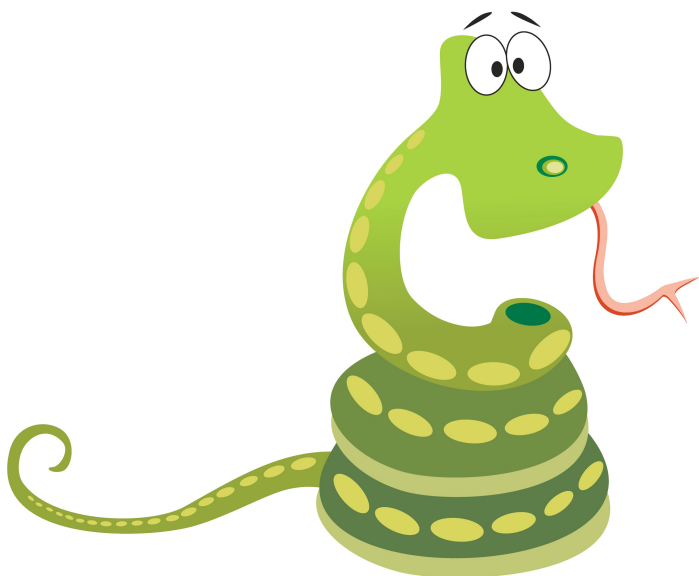
Inspiring | Creative | Fun
Ysbrydoledig | Creadigol | Hwyl

Python

Python is a great beginners language, highly valued in the industry for having a clean, readable syntax. The open source and recently updated language (Python 3) is easy to learn and is a great introduction into the world of programming. This workshop would make a perfect re-engagement opportunity for participating schools/colleges, progressing their experience of Scratch and GameSalad, implementing "drag and drop" style coding to a more professional, widely used language. Through fun activities and games, attendees will build their confidence with the Python programming language and coding concepts on a broader scale.

Skills

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

Key Learning Outcomes

- Introduction to the Python language
- Understanding of coding techniques
- Familiarity and confidence building with the Python syntax

Workshop Outline

- Introduction to the Python coding syntax
- Understanding how to apply knowledge from previous programming experience(s)

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.
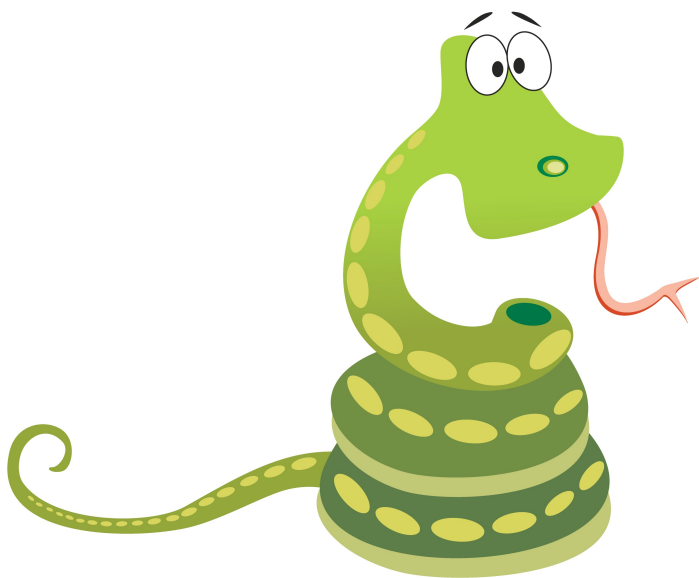
Python

Mae Python yn iaith ardderchog ar gyfer dechreuwyr, ac yn iaith y rhoddir gwerth mawr arni yn y diwydiant oherwydd ei chystrawen lân a darllenadwy. Mae'r iaith ffynhonnell agored a ddiweddarwyd yn ddiweddar (Python 3) yn hawdd ei dysgu ac yn gyflwyniad ardderchog i fyd rhaglennu. Byddai'r gweithdy hwn yn gyfle perffaith i ysgolion/colegau sy'n cymryd rhan ail-ymgysylltu a datblygu eu profiad o Scratch a GameSalad, gan roi arddull codio "llusgo a gollwng" ar waith mewn iaith fwy proffesiynol a ddefnyddir yn eang. Trwy gyfrwng gweithgareddau a gemau hwyliog,

Sgiliau

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

Deilliannau Dysgu Allweddol

- Cyflwyniad i iaith Python
- Dealltwriaeth o dechnegau codio
- Cynefino â chystrawen Python a datblygu hyder

Amlinelliad o'r Gweithdy

- Cyflwyniad i gystrawen codio Python
- Deall sut i ddefnyddio gwybodaeth o brofiad(au) rhaglennu blaenorol.

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.