

technocamps

Inspiring | Creative | Fun
Ysbrydoledig | Creadigol | Hwyl



www.technocamps.com



App Inventor meets NXT

App Inventor is a cloud-based online tool enabling users to develop their very own Android applications. App Inventor uses a “drag and drop” programming environment, where code is readily available for a user to choose how to build up their program depending on desired functionality.

These applications can incorporate bluetooth connections, meaning it can communicate with other devices - such as the LEGO NXT kit. This connection can be manipulated to control the device, perhaps controlling its sensors or even its motors and having more control on the movement of the LEGO NXT robot.



Skills

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

Key Learning Outcomes

- Familiarity with the App Inventor interface.
- Understanding the development process of building Android applications.
- Building a confidence with Robotics.

Workshop Outline

- Introduction to App Inventor.
- Design and Build a robot using Lego NXT Kit.
- Develop an app to control the NXT.
- Confidently develop more robotic projects.

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.