

Overview

This strand of Codeworks begins to tackle the city's digital skills gap by introducing the concepts of cyber security, coding, website design, web analytics, digital marketing, and Internet of Things. Codeworks: Developer is delivered online via a supported digital learning platform with optional tutor-led drop in sessions available across the city. Codeworks: Developer successful completers will be invited to participate in Codeworks: Pro at SCQF level 7.

Cyber Security

Describe the basics of Cyber security.

- Cyber security threats
- Types of attack
- Authentication
- Data and privacy protection
- Managing risks.

Web Analytics

Implement basic web analytics.

- Challenges for business
- Benchmarking
- Trends and analysis
- Strategy
- Analytics tools.

Coding Essentials

Create a basic computer program.

- An introduction to programming using Python
- Software Development Life-cycle
- Programming Environments
- Variables and data types
- Program control and algorithms.

Digital Marketing

Describe the basics of Digital Marketing.

- Digital promotions for business
- Search engine optimisation
- Emerging digital technologies
- Producing digital content
- Social media for digital promotions.

Web Development

Create a basic website.

- Design and wireframes
- HTML5 & CSS3
- Transacting online.

Internet of Things

Define the Internet of Things.

- Understanding IoT
- Elements of IoT
- IoT Components
- Security.