

Develop Coding

Introduction to Software
Development

The Digital Academy

powered by Code Nation and
Cambridge Regional College.

Delivering immersive bootcamps in **Software Development**, The Digital Academy is actively helping to fill the demand for digital skills and kick start **future proof careers** for our students. We believe that with the right tools and the right environment, we can teach anyone to succeed as a digital professional.

The content of our courses is **led by business**, meaning the topics we teach are genuinely things technical employers are in need of – things that set our graduates apart from people with just technical knowledge. To achieve this we work with our network of **Pledgers** – businesses who love what we do and hire our talent – to build and update our curriculum.

Diversity and inclusivity are at the heart of what we do. For us, we want to help more people do more things. We do this by removing the barriers that stop people from bringing their talents to the digital sector. There's **no pre-course** to study with us, **we provide the technology** our students will use and businesses can hire our graduates with **no recruitment fees**.

The Digital Academy is based at **Cambridge Regional College**, and the partnership with Code Nation will help **bridge the digital skills gap**.

Develop your skills

**And learn the
fundamentals of coding**

**Our 3 week Develop Coding course is designed to introduce our students to the core principles of modern software development –
Introduction to programming, web development and mobile app development.**

This course is designed to develop student's coding skills whilst giving them an insight into professional tools and work methods using our project-based, immersive learning approach.

Week 1

Principles of Coding using JavaScript

Week 1 sets the standard. Students start by learning the absolute key mechanics needed as a developer; problem-solving, a taste for coffee and how to code using JavaScript.

Highlights

- Introduction to coding
- Understanding development environments
- How to work with command line interfaces and system tools
- Problem-solving
- Working with JavaScript to understand key coding concepts including variables, arrays, functions, loops, conditionals, types, objects, operators and more
- Introduction to mindfulness and wellbeing



Week 2

Working like a Pro & Mobile App Development

Here we introduce mobile app development for iPhone as well as the tools the professionals use. If you've ever had an idea for an app, this week covers the core mechanics of how you'd start making it.

Highlights

- git and working collaboratively
- Source and version control
- Agile methodology
- Using command lines like a pro
- Developing apps for iPhone
- Xcode IDE
- Storyboards and developing user interfaces for iOS

Week 3

Front End Development

Week 3 is all about front-end development. Students learn how to create websites that work brilliantly on mobile and desktop, using some of the industry's leading technologies.

Highlights

- **The role of HTML and how to work with it**
- **CSS and what stylesheets do**
- **JavaScript and the DOM**
- **Responsive development with Bootstrap**
- **Flexbox**
- **Animations**
- **Introducing lightning talks**

The **Develop Coding Course** helps students on their path to becoming a professional developer. It is a **proven pathway** for our students to progress onto a further course with us, or into employment.

Students complete practical, hands-on sessions as well as documentation to demonstrate their knowledge. The course strengthens **commercial** as well as **tech skills**, to enable students to get to where they want to be.

Upon completion of this course, students will be awarded a **Level 2 Certificate** in IT User Skills in Open Systems and Enterprise accredited by TLM.

Students can use what they learned on Develop to head onto our 12-week Master: Coding course if they are serious about a career in tech.



Start your coding career

If you like the sound of what we do, you can **get in touch** with the Digital Academy Team;

Email hello@thedigitalacad.com

Or call **01223 901175**

We also host free **Open Evenings** in our schools where you can;

- **Become familiar with the learning environment and what you'll be studying**
- **Meet our brilliant Team**
- **Chat to students and graduates and hear their stories**
- **Get your first introduction to our impressive Pledging employers**
- **Understand the amazing career opportunities available post-graduation**
- **Learn why coding with us is the best decision you can make for a future in tech**

THE DIGITAL ACADEMY

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Cambridge
Regional College

