babington

Introduction to Coding

SUPPORTED BY

MAYOR OF LONDON

Develop your employees' coding skills for less

Babington is committed to Developing Better Futures by helping you adapt, change and thrive in the revolutionised and modern business landscape.

The DfE Skills Bootcamp for Londoners, 'Introduction to Coding' is part of the Government's Lifetime Skills Guarantee and Plan for Jobs, supported by the Mayor of London; designed to sustain business growth and productivity by upskilling employees, supporting job retention and increasing productivity.

With a thriving tech industry and a growing demand for software developers, businesses can diversify their talent pool, equipping teams with valuable, fundamental skills in coding, allowing for increased competitiveness, efficiency and retention.

"Babington were able to offer and deliver a solution that met our core requirements. We have consistently worked with Babington as we feel that our needs are being met and we look forward to working with them for many more years to come."

What is the Introduction to Coding Bootcamp and who is it suitable for?

This pilot scheme is being rolled out to help businesses within the Greater London Authority access training that will upskill their employees with the coding skills to be successful software engineers and is suitable for:

- Individuals who require an update to their knowledge and skills, or refresh their skills aligned to the requirements of a modern software engineer. This may be due to a career break or suitable for those that are starting out in their career.

- Learners with a basic understanding of software development methodologies and are looking to sharpen their current skills or considering role progression.

- Organisations experiencing skill shortages as a result of a growing demand and a thriving tech industry, and are looking for a skilled workforce that can adapt to those changes.

- Organisations needing to enhance their workforces to keep their staff on the cutting-edge in an ever-changing digital marketplace.

Employers wishing to access Skills Bootcamps will need to contribute 10% - 30% of the costs with the remainder fully funded.

Options for Employers

Babington has a reputation for developing close client relationships and works flexibly with its employers to ensure programmes meet the needs of individual businesses.

Employers can submit multiple employees to attend this Skills Bootcamp. Submitting a larger cohort allows us to be flexible and offer a more personalised training programme, making it relevant to your specific business needs.

Employers wishing to access this route will need to contribute 10% - 30% of the costs with the remainder fully funded.
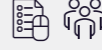
Alternatively, you may be looking to hire learners once they've completed the Skills Bootcamps to fill key vacancies within your business; or perhaps you would like to be part of our bank of employers, interested in interviewing our candidates for future positions. Our team can work with you to meet your requirements. In this instance, your business will not be liable to fund the Skills Bootcamps*

*Subject to T&Cs. Speak to your Account Manager, or a member of the team to discuss further.

Learning Content

Within the 12-week programme, learners will be expected to commit the relevant time to their studies as outlined adjacently.

Towards the end of the programme, learners will be tasked with completing a project proposal that can subsequently be presented to managers or senior leaders within the business. The aim is to embed the learning and focus on business improvement.

Week 1
Programme Launch
- Programme introduction
- An introduction to coding
- Project introduction

Duration: 1 Day

Week 2
Introduction to Python
- Set up a development environment
- Syntax
- Comments

Duration: 1 Day

Week 3
Variables and Functions
- Variables - data types
- Operators
- Creating and calling functions

Duration: 1 Day

Week 4
Structures and Loops
- Variables - structures
- Loops if, why, and, for

Duration: 1 Day

Week 5
Objects and Classes
- Creating and using
- Iterators
- Inheritance

Duration: 1 Day

Week 6 & 7
Agile Methodology
- An introduction to agile methodology
- Alternative methodologies
- Planning and updates
- Using collaborative technologies

Duration: 1 Day

Week 8
Create a Game
- Work in a development team to create a text-based adventure game

Duration: 1 Day

Week 9 & 10
Employability & Web Design Fundamentals
- CV, job hunting and interview techniques
- Purpose, priority, usability and navigation

Duration: 1 Day

Week 11
Create a Unique Website
- Publish to a live server

Duration: 1 Day

Week 12
Simulation Assessment
- A safe environment to demonstrate coding capabilities
- Feedback and review session

Duration: 1 Day

Key
- Workshop
- E-Learning
- Reflection-led learning
- 1-2-1 Progress Reviews

Overview

Start Dates
The next bootcamp start dates can be found here.

Duration
12 weeks; typically between 8-12 learning hours per week, inclusive of self study time.

Delivery
Blended, virtual classroom.

Progression Opportunities
A higher level or professional qualification, further learning, or progression within their current role.

Entry Requirements
Open to all learners 19+ that are resident within the Greater London Authority (GLA), have access to online learning, and a commitment to develop your skills over 12 weeks.

Find out more about Skills Bootcamps.

Employers wishing to access Skills Bootcamps will need to contribute 10% - 30% of the costs with the remainder being fully funded.
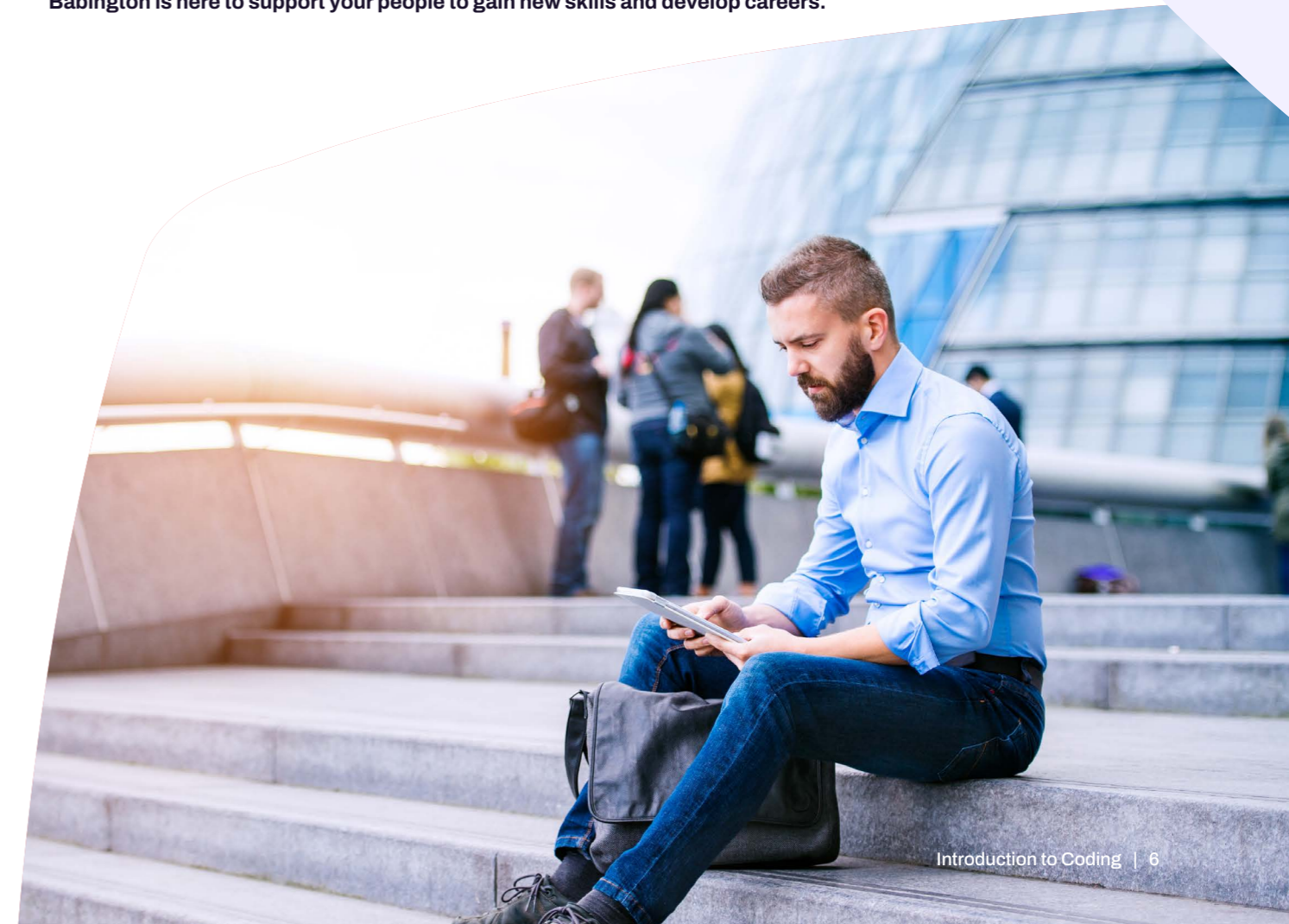
Programmes are free for learners.

Explore Skills Bootcamps →

Employer Benefits

✓ Development of your workforce to provide them skills to progress in the modern world of software engineering.

✓ An opportunity increase the skills required by your workforce to be successful coders including teamwork, communication and critical thinking.

✓ Babington can either recruit staff for you, or place people in your recruitment pipeline during the programme as part of preparation and selection. In turn, you nurture your employees for a rewarding, long term career within your business.

✓ There is flexibility within the programme to enable it to be contextualised around your organisation. Instil your company values and processes into your people and give them the tools to be successful from the beginning.

✓ Consider using this as a key CSR initiative and engaging your local community for key roles within your business.

Babington is here to support your people to gain new skills and develop careers.

Are you ready to develop your employees' coding skills?

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