Digital T-Level Transition Booklet

"Failure is simply the opportunity to begin again, this time more intelligently" - *Henry Ford*

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Welcome to T-Level @ SJBC.

What does the T-Level Cover?

The content is split into a core component and the occupational specialism, which is:

- Software Development

The core component provides a broad understanding of the digital industry and covers the following topics:

• Business Context
• Culture
• Data
• Digital Analysis
• Digital Environments
• Diversity and Inclusion
• Learning
• Legislation
• Security
• Testing
• Tools

The core component will be assessed by two exams and an employer set project. Your occupational specialism will allow you to develop the relevant skills in preparation for your career in the digital sector. The occupational specialism is assessed by a project that is created in conjunction with employers. The content covers the following topics:

Digital Production, Design and Development

• Analysing a problem to define requirements and acceptance criteria aligned to user needs

• Designing, implementing, and testing software

• Changing, maintaining and supporting software

• Creating solutions in a social and collaborative environment

• Discovering, evaluating, and applying reliable sources of knowledge

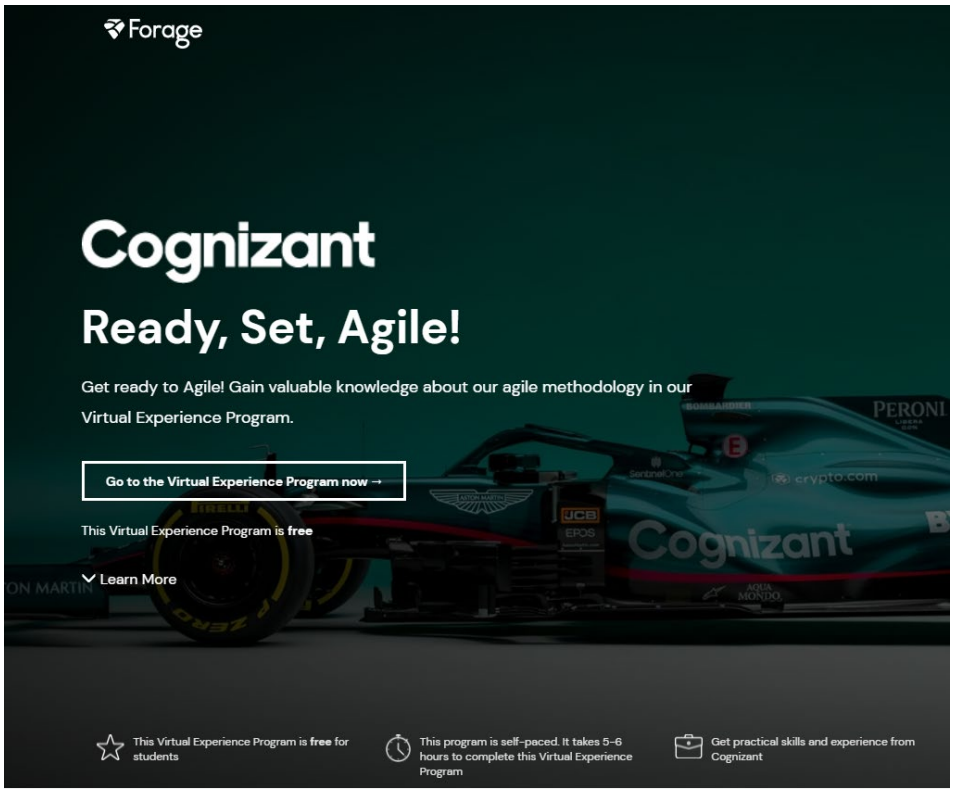
• Applying ethical principles and managing risks in line with legal and regulatory requirements when developing software

As part of this Technical Qualification, you will also enhance your broader skills in literacy and numeracy, which will be valuable in supporting progression in other areas. In addition, you will develop transferable technical and practical skills in communication (working with colleagues, customers, and clients), research and project work, providing you with an opportunity to demonstrate your reflective practice by suggesting alternative approaches to a problem.

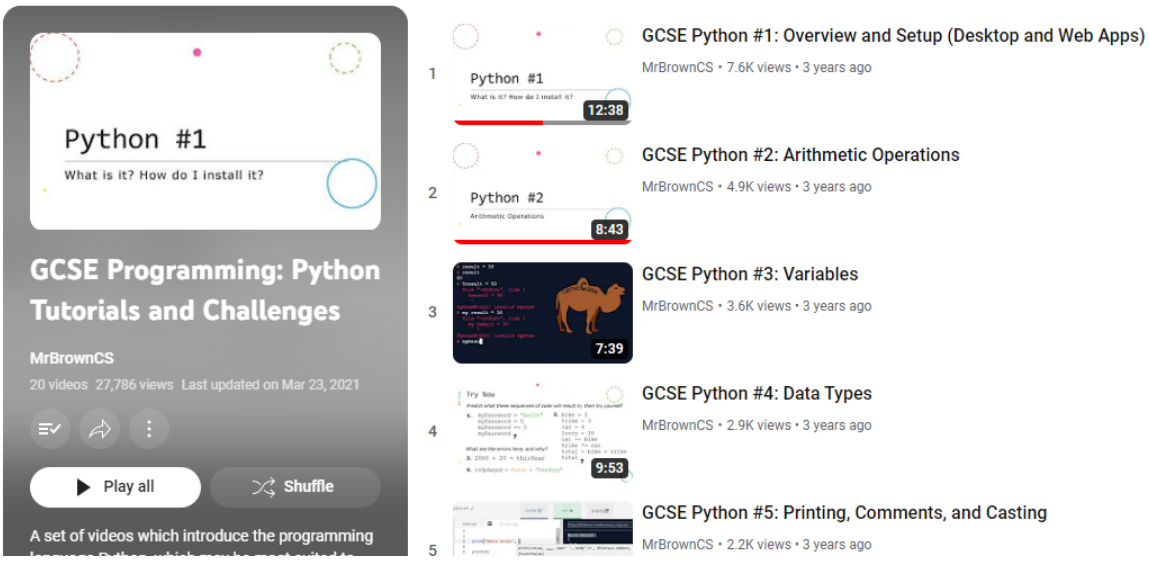
How Can I Prepare?

To prepare for this course we would like you to undertake some virtual wrk experience. This is completely free and will help put what your learning into context.

- Go to: https://www.theforage.com/virtual-internships
- Select Software Engineering as the Career and choose the experience below or something similar if it isn't available.



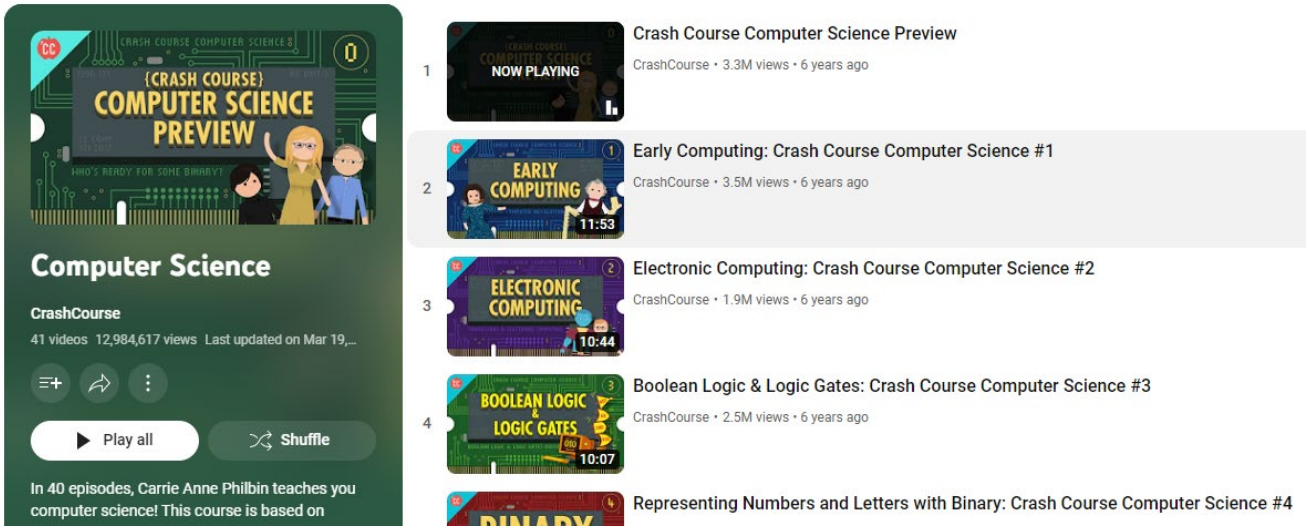
We would also like you to have a basic level knowledge of Python Programming at least. This can be developed by following these tutorials:



Mrs M Perrineau-Daley

Course Textbook: https://amzn.eu/d/iMsB14R

Essential Revision Guide: https://amzn.eu/d/7oFH12s

Essential Summer Watching:

Crash Course Computer Science: https://youtube.com/playlist?list=PL8dPuuaLjXtNlUrzyH5r6jN9ullgZBpdo