

Cambridge **TECHNICALS LEVEL 3**

IT

MAPPING GUIDE
Unit 9 Product Development

Version 1

Cambridge
TECHNICALS
2016

INTRODUCTION

Prodigy are delighted to work with OCR, a progressive Awarding Organisation, who share the ambition of providing high-quality qualifications, learning solutions that are industry-led and reliable and valid assessment. The Cambridge Technicals in IT qualifications provide 'future-ready' skills for a learner to further their ambitions, whether that is in terms of further academic study, enter an apprenticeship or as a springboard to gaining employment.

Prodigy Learning (Prodigy) is an award-winning EdTech business providing digital skills certifications and learning solutions for a range of technologies including Adobe, Autodesk and Microsoft. Established in 2000, Prodigy now have offices in Dublin, London and Sydney. Having worked closely with Microsoft since 2000, Prodigy is a Microsoft Authorised Education Gold Partner and a MS Global Training Partner supporting academic institutions utilise Microsoft Imagine Academy, Microsoft certifications and other Microsoft Education solutions.

Historically, the UK has thrived on a rich research and technology base and has been at the forefront of global technology innovation. Enthusing young learners about following exciting careers in science, technology, engineering and mathematics (STEM) subjects is fundamental to maintaining this success. However, currently the UK has a widely acknowledged skills gap in the pipeline of talent studying computing-related disciplines. Therefore, providing high quality, engaging and relevant qualifications that equip learners with current technical knowledge and skills is essential to encourage more young people into the computing discipline, and moreover to ensure they progress to jobs in the sector.

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3. Understanding General Software Development

	3.1.1 phases of application life cycle management	3.1.2 software testing	3.2. Interpret application specifications. This objective may include but is not limited to: reading and translating application specifications into prototypes, code, and components
1.1 Product development methodologies (e.g. Waterfall, Incremental, Spiral, Agile development)	X		
1.2.1 Phases of the product development life cycle - requirements analysis	X		
1.2.2 Phases of the product development life cycle - design	X		
1.2.3 Phases of the product development life cycle - implementation	X		
1.2.4 Phases of the product development life cycle - testing (e.g. unit, integration, product, acceptance)	X	X	
1.2.5 Phases of the product development life cycle - deployment	X		
1.2.6 Phases of the product development life cycle - maintenance	X		
2.1.3 Requirement analysis phase - prototyping			X
3.1.2 Implementation - unit testing (e.g. on-going testing of each separate function/process of the system)		X	

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	3.1.1 phases of application life cycle management	3.1.2 software testing	3.2. Interpret application specifications. This objective may include but is not limited to: reading and translating application specifications into prototypes, code, and components
3.1.3 Implementation - integration testing (e.g. testing that the units work together as expected)		X	
3.1.4 Implementation - use results of unit testing and integration testing to improve and enhance product during implementation		X	

5. Understanding Desktop Applications

	5.1.1 application lifecycle
1.1 Product development methodologies (e.g. Waterfall, Incremental, Spiral, Agile development)	X



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