

Cycle 1 Homework



Subject: Computer Science

Year 10

This cycle you are learning: OCR J277 – Computer Science.

Week of cycle	
1	Networks – Introduction to Networks
2	Networks – Wired and wireless networks
3	Networks – Topologies, Wi-fi and ethernet
4	Networks - Risks to networks
5	Systems Architecture – Processing
6	Systems Architecture – Systems architecture
7	Systems Architecture – Fetch – Decode – Execute Cycle
8	Assessment
9	Super-teach week, Improvements and evaluation

Expectations

Rationale for home work this term:

- To consolidate in class learning
- To secure your knowledge of key topics
- To practice skills related to your assessment

- Complete 1 homework task per week.
- Your homework will be peer marked and marked online.
- It must be completed by the due date or you will receive an automatic 60-minute detention.

Name _____

Teacher _____

Week 1 – Introduction to networks

Due: Week 2, lesson 3, date: _____

Success criteria:

- TBAT answer all knowledge-based question.
- TBAT answer revision knowledge-based questions.

Assessment method:

- Online quiz.

Task:

	<p>Score: </p>
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Week 2 – Wired and wireless networks

Due: Week 3, lesson 3, date: _____


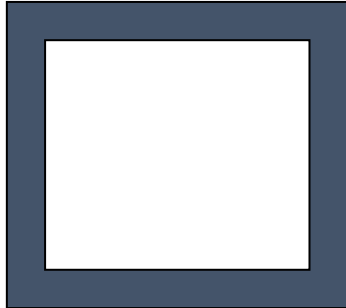
Success criteria:

- TBAT answer all knowledge-based question.
- TBAT answer revision knowledge-based questions.

Assessment method:

- Online quiz.

Task:

	<p>Score: </p>
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Week 3 – Topologies, Wi-Fi and Ethernet

Due: Week 4, lesson 3, date: _____


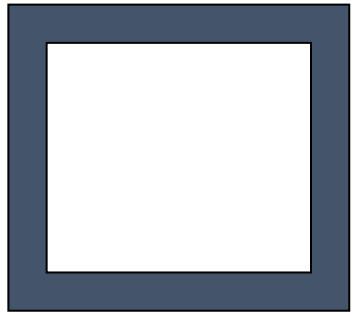
Success criteria:

- TBAT answer all knowledge-based question.
- TBAT answer revision knowledge-based questions.

Assessment method:

- Online quiz.

Task:

	<p>Score:</p> 
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Week 4 – Risks to networks

Due: Week 5, lesson 3, date: _____

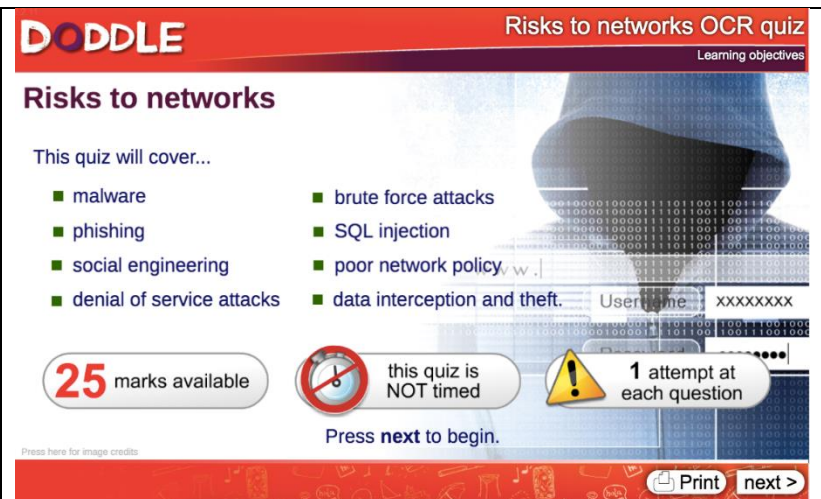
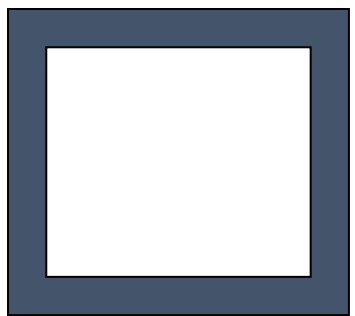
Success criteria:

- TBAT answer all knowledge-based question.
- TBAT answer revision knowledge-based questions.

Assessment method:

- Online quiz.

Task:

	<p>Score:</p> 
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Week 5 – Processing

Due: Week 6, lesson 3, date: _____

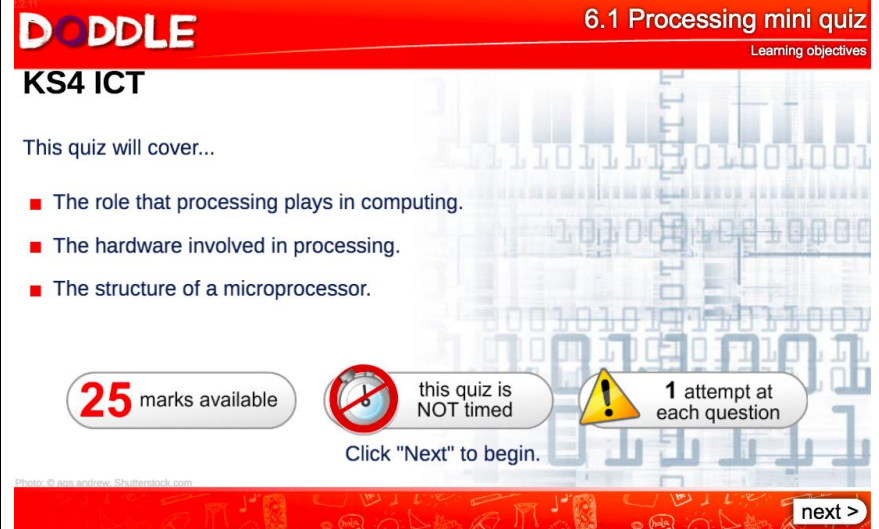
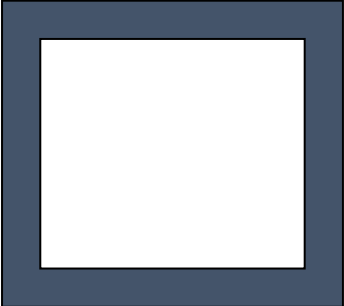
Success criteria:

- TBAT answer all knowledge-based question.
- TBAT answer revision knowledge-based questions.

Assessment method:

- Online quiz.

Task:

 <p>DODDLE 6.1 Processing mini quiz Learning objectives KS4 ICT</p> <p>This quiz will cover...</p> <ul style="list-style-type: none">■ The role that processing plays in computing.■ The hardware involved in processing.■ The structure of a microprocessor. <p>25 marks available</p> <p>this quiz is NOT timed</p> <p>1 attempt at each question</p> <p>Click "Next" to begin.</p> <p>next ></p>	<p>Score: </p>
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Week 6 – Systems Architecture

Due: Week 7, lesson 3, date: _____

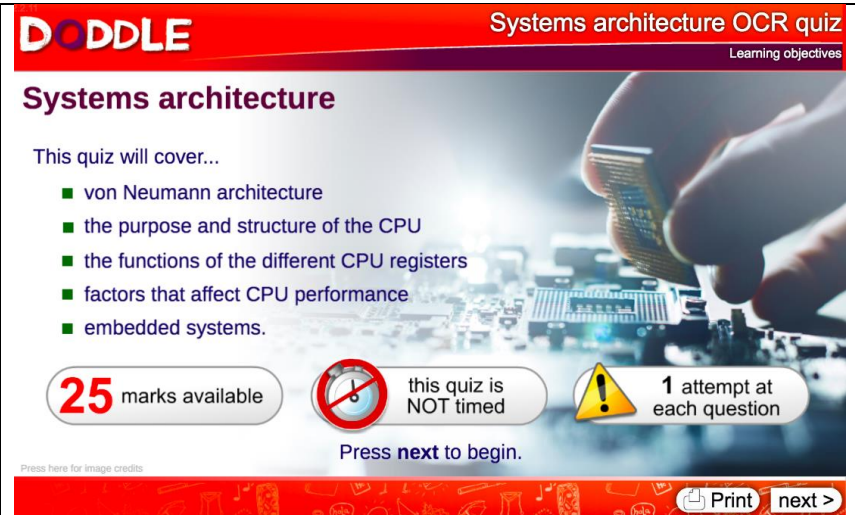
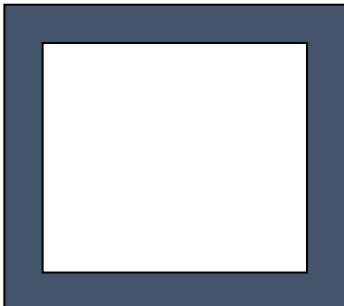
Success criteria:

- TBAT answer all knowledge-based question.
- TBAT answer revision knowledge-based questions.

Assessment method:

- Online quiz.

Task:

 <p>DODDLE Systems architecture OCR quiz Learning objectives</p> <p>Systems architecture</p> <p>This quiz will cover...</p> <ul style="list-style-type: none">■ von Neumann architecture■ the purpose and structure of the CPU■ the functions of the different CPU registers■ factors that affect CPU performance■ embedded systems. <p>25 marks available</p> <p>this quiz is NOT timed</p> <p>1 attempt at each question</p> <p>Press next to begin.</p> <p>Print next ></p>	<p>Score: </p>
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Week 7 – Fetch-Decode-Execute Cycle

Due: Week 7, lesson 3, date: _____

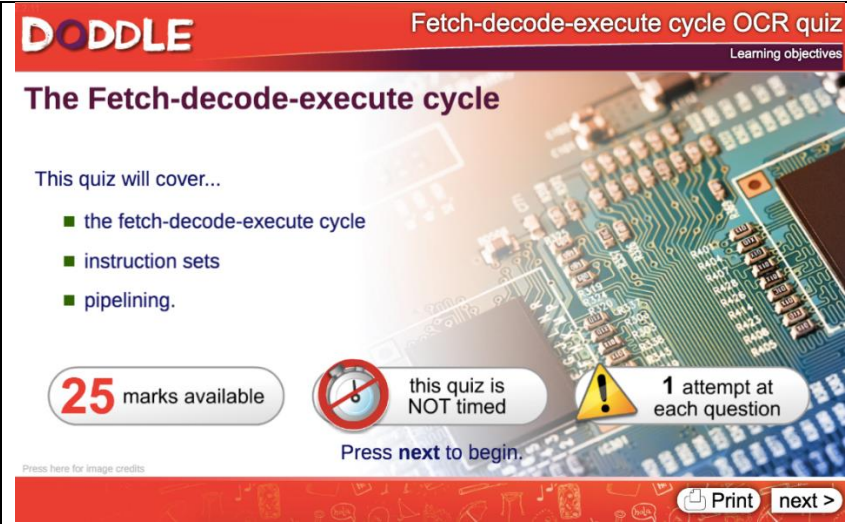
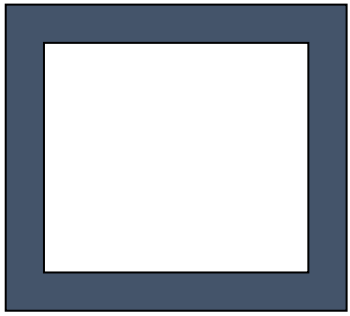
Success criteria:

- TBAT answer all knowledge-based question.
- TBAT answer revision knowledge-based questions.

Assessment method:

- Online quiz.

Task:

 <p>The screenshot shows a quiz interface with the following elements:</p> <ul style="list-style-type: none">Header: DODDLE logo on the left, 'Fetch-decode-execute cycle OCR quiz' and 'Learning objectives' on the right.Title: 'The Fetch-decode-execute cycle'.Content: 'This quiz will cover...' followed by a bulleted list: 'the fetch-decode-execute cycle', 'instruction sets', and 'pipelining'.Badges: '25 marks available' (in a red circle), 'this quiz is NOT timed' (with a clock icon crossed out), and '1 attempt at each question' (with a warning triangle icon).Text: 'Press next to begin.'Footer: 'Print' and 'next >' buttons.	<p>Score: </p>
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