

**Delegate Booklet**  
**Course Title: Computer Science**  
**4CP0-20IO2**

## About this event

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**Course Code: 4CP0-20IO2**

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## Aims and objectives of the event

- To understand the Assessment Objectives for the qualification
- To understand the question types for the qualification
- To understand the mark schemes for the qualification
- To practise using the mark schemes using exemplar student work
- To learn about the support provided by Pearson around assessment and exemplars

## Agenda of Event

Time	Item
5	Welcome and introductions
5	Overview of the qualification
10	Assessment Objectives and command word taxonomy
10	Mark schemes
40	Activity 1 – Marking paper 1
45	Activity 2 – Marking paper 2
5	Finding resources



**Assessment Objectives (Specification p. 22)**

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		<b>% in International GCSE</b>
<b>A01</b>	Demonstrate knowledge and understanding of the key principles of computer science	27.5
<b>A02</b>	Apply knowledge and understanding of key concepts and principles of computer science	42.5
<b>A03</b>	Analyse problems in computational terms: <ul style="list-style-type: none"><li>• to make reasoned judgements</li><li>• to design, program, test, evaluate and refine solutions</li></ul>	30.0

## Command word taxonomy (Specification p. 47)

Command word	Definition
Amend	Requires changes/additions/deletions/rearrangement of a symbolic representation.
Analyse	Examine elements in detail
Assess	Give careful consideration to all the factors or events that apply and identify which are the most important or relevant. Make a judgement on the importance of something and come to a conclusion where needed.
Calculate	Obtain a numerical answer, showing relevant working. If the answer has a unit, this must be included.
Compare and/or contrast	Looking for the similarities and/or differences of two (or more) things. Should not require the drawing of a conclusion. Answer must relate to both (or all) things mentioned in the question.
Complete	Requires the completion of a table/diagram/algorithm (in any notation).
Construct	Usually requires creation of an artefact using subject-specific symbolic representation, rules and syntax.
Convert	Requires changing information in one symbolic representation to another representation. May require amending to provide new functionality/facility.
Create	Usually requires creation of an artefact using subject specific symbolic representations.
Deduce	Draw/reach conclusion(s) from the information provided.
Describe	Give an account of something. Statements in the response need to be developed as they are often linked, but do not need to include a justification or reason.
Devise	Plan or invent a procedure from existing principles/ideas.
Discuss	Identify the issue/situation/problem/argument that is being assessed in the question. Explore all aspects of an issue/situation/problem/argument. Investigate the issue/situation, etc. by reasoning or argument.
Draw	Produce a diagram/image, either using a ruler or freehand. May require labelling/annotation to express meaning. Used when symbolic representations need to be manipulated.
Evaluate	Review information then bring it together to form a conclusion, drawing on evidence, including strengths, weaknesses, alternative actions, relevant data or information. Come to a supported judgement of a subject's qualities and relation to its context.
Explain	An explanation requires a justification/exemplification of a point. The answer must contain some element of reasoning/justification. This can include mathematical/logical explanations. The mark scheme must have marking points that are linked. The answer MUST contain some element of reasoning/justification to satisfy the definition of explain. The mark scheme should be clearly laid out so that to gain full marks, there must be a minimum of 1 mark for some element of reasoning/justification to satisfy the definition of explain.



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Give	Recall one or more pieces of information.
Give a reason/reasons	When a statement has been made and the requirement is only to give the reasons why.
Identify	Usually requires some key information to be selected from a given stimulus/resource.
Name	Recall one piece of information from a given diagram/algorithm/process.
Perform	Carry out an identified task/algorithm/process.
Predict	Give an expected result.
State	Recall one or more pieces of technical information.
State and justify/Identify and justify	When a selection is made and a justification has to be given for the selection.
State what is meant by	When the meaning of a term is expected but there are different ways to describe them. Usually 1 or 2 marks maximum.
Write	Usually requires manipulation/creation/amending of an artefact using subject specific symbolic representations.

## Activity 1 – Marking responses (Paper 1)

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For the questions shown onscreen and in the ‘sample questions’ document:

- read the question
- identify the command word
- identify the Assessment Objective
- read the mark scheme for understanding
- award marks
- check your accuracy and make notes.

Question	Command word	Assessment Objective	Award marks	Notes
1				
2				
3				
4				
5				
6				
7				
8				



## Activity 2 – Marking responses (Paper 2)

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For the questions shown on screen.

- read the question
- identify the command word
- identify the Assessment Objective(s)
- read the mark scheme for understanding
- award marks
- check your accuracy and make notes.

Identify the associated Assessment Objective(s). Recall the AO definitions have been provided above.

Question	Command word	Assessment Objective(s)	Award marks	Notes
1				
2				
3				
4				
5				
6				
7				



## Links used in this session

Item	Link
Pearson Edexcel International GCSE in Computer Science main page	<a href="https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.html">https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.html</a>
Quality of marking – the process behind accurate results	<a href="https://qualifications.pearson.com/content/dam/pdf/Support/Quality Assurance/Quality_of_marking_updated.pdf">https://qualifications.pearson.com/content/dam/pdf/Support/Quality Assurance/Quality_of_marking_updated.pdf</a>
Specification and sample assessments	<a href="https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FSpecification-and-sample-assessments">https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FSpecification-and-sample-assessments</a>
Past papers, mark schemes and principle examiner's report	<a href="https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.coursematerials.html#filterQuery=Pearson-UK:Category%2FExam-materials">https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.coursematerials.html#filterQuery=Pearson-UK:Category%2FExam-materials</a>
Additional marked responses	<a href="https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.coursematerials.html#filterQuery=Pearson-UK:Category%2FTeaching-and-learning-materials">https://qualifications.pearson.com/en/qualifications/edexcel-international-gcse-and-edexcel-certificates/international-gcse-computer-science-2017.coursematerials.html#filterQuery=Pearson-UK:Category%2FTeaching-and-learning-materials</a>
Training events (live, online)	<a href="https://qualifications.pearson.com/en/support/training-from-pearson-uk.html">https://qualifications.pearson.com/en/support/training-from-pearson-uk.html</a>
Training events (pre-recorded)	<a href="https://qualifications.pearson.com/en/support/training-from-pearson-uk/pre-recorded-training.html">https://qualifications.pearson.com/en/support/training-from-pearson-uk/pre-recorded-training.html</a>

## **Personal learning**

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Things to do:

Things to avoid:

Ideas to follow up: