

Delegate Booklet
Course Title: Pearson Edexcel
International Advanced Level
Information Technology: Welcome to
Pearson (Module 2)
YIT11-20IO2

About this event

Course Title: Pearson Edexcel International Advanced Level Information Technology: Welcome to Pearson (Module 2)

Course Code: YIT11-20IO2

Aims and Objectives of the event

- Be able to understand the Assessment Objectives for the qualification
- Be able to understand the question types for the qualification
- Be able to understand the mark schemes for the qualification
- Be able 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
3	Welcome
2	Aims and agenda
3	Getting to know you
6.5	Overview of qualification
7	Taxonomy (command words)
5	Activity 1 – Identify the exam paper and description
7	Activity 2 – Identify the command word
7	Mark schemes
1	Introduction to applying mark schemes
11	Activity 3 – Applying a mark scheme, Unit 1 June 2019 – Q01(c)(i)
11	Activity 4 – Applying a mark scheme, Unit 1 June 2019 – Q02(b)
8	Activity 5 – Applying a mark scheme, Unit 2 June 2019 – Q01(d)
48	Activity 6 – Applying a mark scheme, Unit 2 June 2019 – Q04
3	Exam materials
2	Exemplar materials
1.5	Feedback events and packs
5	Support
3	Questions



Activity 1 – Identify the exam paper and description

Your task is to match each command word with its description and the unit(s) where this command word would be used in the exam paper.

Complete the activity by rearranging the boxes or using arrows to link the relevant boxes.

Unit

Command word

Description

Unit 1

Assess

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.

Unit 2

Analyse and
recommend

Give careful consideration to all the factors or events that apply and identify which are the most important or relevant. Make judgements about significance/importance.

Unit 3

Evaluate

Examine elements in detail and provide support for a course of action.

Unit 4



Activity 2 – Identify the command word

The activity contains exemplar responses to questions using the command words explain or describe.

Your task is to identify which command word was used in each question.

	Response to question	Command word (explain/describe)
1	<i>The program passes the data down through the OSI stack. At each stage the data has extra addressing information added to it. At layer 1, the data goes through the network cables to the user's device. Then the data moves back up through the stack, with the addressing data being removed at each stage until it reaches an application on the device that can read the data.</i>	
2	<i>They save money because they don't have to pay to provide any office space for the teachers.</i>	
3	<i>Anika only has to carry one device for all the functions, so it is less weight when running and she only has to worry about keeping one thing charged up.</i>	
4	<i>Multi-user licenses can be 'per seat' or 'concurrent use. With a per-seat license, the bank buys software access for each person that will use the software, each person has their own access code.</i>	
5	<i>1. The bank doesn't need to employ trained data management staff because the cloud storage company looks after the data.</i>	
6	<i>The employee could enter their user name and then use a proximity (RFID) reader to read an identity card to confirm who they are.</i>	



Activity 3 – Applying a mark scheme, Unit 1 June 2019 – Q01(c)(i)

We will mark response 1 together and then you will mark response 2.

Question

1c (i)	Digital devices, such as Sarah's TV, have features to assist those with disabilities. Describe two features of a smart TV's user interface that assist people with a visual impairment.	Mark available 4
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Mark scheme

Question number	Answer	Additional Guidance	Mark
1 (c) i	Award up to two marks for each of two descriptions such as: <ul style="list-style-type: none"> voice guide / on-screen reader (1) which will read on-screen text / give information about current channel / programme (1) audio description (1) which provides a description of the scene/setting (1) high contrast (1) which applies high contrast to all menus, control panels, etc. (1) change brightness / screen temperature (1) to allow more comfortable viewing / relieve eye strain (1) colour blindness mode / ability to change colours (1) to allow colour blind people to see what is on the TV (menus, etc.) (1) screen zoom/enlarge (1) allowing people to zoom in to important parts of the screen / enlarge menus, etc. (1) guide dots / markings on the (remote) controls (1) to enable people to operate it without seeing the buttons (1) voice activated TV controls (1) to enable people to operate the TV without seeing the controls. (1) 	Do not accept helping visual impairment as an extension	4

Response 1

1 The screen can be zoomed into or out off. This makes it easier to read text and see the information on the screen.

2 The brightness of the screen can be adjusted, so if high brightness bothers someone they can decrease it and set it to a point the won't hurt their eyes.

Mark awarded 4

The question is a **describe** question.

Describe – To give an account of something. Statements in the response need to be developed as they are often linked but they do not need to include justification or a reason.



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Looking for a description of two features that assist people with a visual impairment, i.e. the feature itself, and an expansion of the feature.

1 mark for each feature (up to 2 marks)

1 mark for the expansions (up to 2 marks)

If the feature only was required, the question would have used command words such as 'give/state/name/identify'.

Examples have been given in the mark scheme.

Additional guidance says that 'helping visual impairment as an extension' cannot be accepted – this is because it is in the question.

The response includes two relevant features in terms of visual impairment (blue boxes). 1. zoom (1 mark), 2. adjust brightness (1 mark)

Both have been expanded to fully describe them (purple boxes). Specific item (1 mark), to prevent eyes hurting (1 mark)



Response 2

- 1 When clicked on a button / hovered over the TV could speak up what the button does.
- 2 The Smart TV could have a microphone where Sarah could command in ~~where~~ what she wants to do.

What mark would you award this response?

Reasons

**Activity 4 – Applying a mark scheme, Unit 1 June 2019 – Q02(b)**

We will mark response 1 together and then you will mark response 2.

Question

2b	Hilmi uses a web-hosting company to host and support his website. The company provides software tools to make both static and dynamic web pages. (b) Give three differences between static and dynamic web pages.	Marks available 3
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Mark scheme

Question number	Answer	Additional Guidance	Mark
2 (b)	<p>Award one mark for each difference up to a maximum of three marks.</p> <ul style="list-style-type: none"> static page content is fixed, dynamic alters with user actions (1) dynamic pages use a fixed format/template while static pages can all be different (1) static written in HTML, dynamic written in a server-side scripting language/PHP/ASP/JSP (1) static code/HTML is read/displayed by the browser/client computer, dynamic is a server-side process (1) static content (usually) held in one location, dynamic page content called (by script) from other files/data source(s) (1) dynamic, easy to add new features, such as a data feed, to an existing web page (whereas the content for static pages is hard coded) (1) database can be used by dynamic pages to supply content (whereas the content for static pages is hard coded) (1) 	Accept other server-side scripting languages	3

Response 1

1	Static is used in client side scripting. Dynamic is used in server-side scripting.
2	(Static ex: HTML, HTM and dynamic: Javascript) used for web development Static is user friendly, dynamic ^ Javascript.
3	Static is never never changing and dynamic is changing ex: date, time \)

Mark awarded 3

The question is a **give** question.

Give/State/Name – All of these command words are really synonyms. They generally all require recall of one or more pieces of information.

Looking for three differences.



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Examples have been given in the mark scheme.

Additional guidance says that other server-side scripting languages are acceptable.

Marks awarded:

- static uses client side scripting while dynamic uses server side (1) – mark point 4
- static uses HTML while dynamic uses a scripting language (1) – mark point 3
- static does not change content while dynamic does, with specific example (1) – mark point 1

Response 2

1	Static web webpage is coded with HTML whereas dynamic web webpage is coded with JavaScript.
2	Static webpage is client-side scripting. Dynamic webpage is server-side scripting.
3	Static web web page is run by client machine system Dynamic web pages is connected and run by a server.

What mark would you award this response?

Reasons

Activity 5 – Applying a mark scheme, Unit 2 June 2019 – Q01(d)

We will mark response 1 together and then you will mark response 2.

Question

Question 1d
<p>Web pages can contain external content.</p> <p>Explain how a tag can be used to add embedded content to a web page.</p> <p>You must include the name of the tag in your answer.</p> <p style="text-align: right;">(2)</p>

Mark scheme

Question number	Answer	Additional guidance	Mark
1 (d)	<p>Award one mark for each point in a linked explanation.</p> <p>D1</p> <p>D2</p> <ul style="list-style-type: none"> The <iframe> tag (1) can be used to embed another document in a fixed sized frame (1). The <object> tag (1) can be used to embed multimedia objects (1). The <embed> tag (1) defines a container for external applications/plugin-ins (1) 	<p>Named tag must match its use</p>	2

Response 1

The <iframe> tag creates an inline frame on a web page that can be of specified width and height, that links to a source URL, and displays the external content from the source inside the frame. (closed with </iframe>

Mark awarded 2

The question is an **explain** question.

Explain – An explanation requires a justification/exemplification of a point. The answer must contain some element of reasoning/justification linked to a point/idea that has been identified.

Looking for a tag and how it can embed content

Examples have been given in the mark scheme.

Additional guidance says the named tag must match its use.

Marks awarded:

- <iframe> (1)
- can be used to embed another document in a fixed size frame (1)



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Response 2

When we use the tag, <embed>, the embedded content will be visible in the webpage, or we can use <iframe> too.

What mark would you award this response?

Reasons

Activity 6 – Applying a mark scheme, Unit 2 June 2019 – Q04

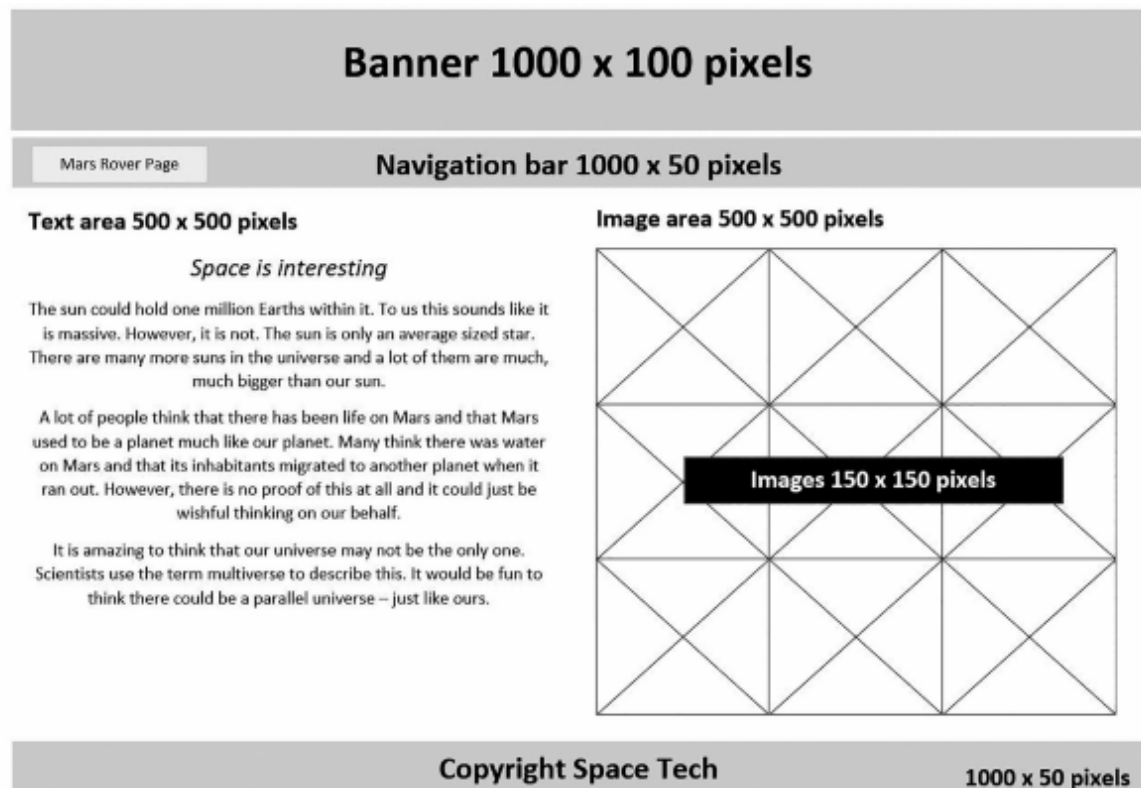
We will look at the documentation for question 4 and then you will spend 15 minutes marking response 1.

We will go through the marks awarded and then you will spend 15 minutes marking response 2.

Question

- 4 Space Tech is an organisation interested in space and technology. It needs a new web page.

A wireframe and style guide have been provided.



Overall page requirements

- Character set must be UTF-8
- Search engines should be able to show a description of the site.
- Use HTML5 elements to define the different parts of the page.
- Use a fixed page layout.
- Use an external style sheet.



Web Design Style Guide

Background

- The background colour of the page should be set to Blue – hex (#0000FF).

Font

- All text should be set to Verdana.
- Colour should be set to Light Grey – hex (#CCCCCC).
- All text should be centre-aligned.

Banner

- Position the banner as shown on the wireframe. The banner image can be found in the assets folder.

Navigation bar

- Create the navigation bar as shown on the wireframe.
- Create and style a hyperlink to open marsRover.html as shown on the wireframe.

Text and images

- Insert the heading 'Space is interesting' as shown on the wireframe.
- Position the text and images as shown on the wireframe. The text and images can be found in the assets folder.
- Set an emphasis on the heading.

Footer

- Insert the text 'Copyright Space Tech'.
- Create an email link on the text to 'info@spacetech.co.uk'.
- Style the text to be Yellow – hex (#FFFF00).

Develop a prototype web page for Space Tech using the wireframe, style guide, images and text provided.

Save your files as **Q04FINISHED.html** and **Q04FINISHED.css**

(Total for Question 4 = 20 marks)



What it should look like (may differ slightly)

Space Tech

Mars Rover Page

Space is interesting

The sun could hold one million Earths within it. To us this sounds like it is massive. However, it is not. The sun is only an average sized star. There are many more suns in the universe and a lot of them are much, much bigger than our sun.

A lot of people think that there has been life on Mars and that Mars used to be a planet much like our planet. Many think there was water on Mars and that its inhabitants migrated to another planet when it ran out. However, there is no proof of this at all and it could just be wishful thinking on our behalf.

It is amazing to think that our universe may not be the only one. Scientists use the term multiverse to describe this. It would be fun to think there could be a parallel universe – just like ours.



Copyright Space Tech



Mark scheme

Question number		Answer	Mark
4		Award one mark for each of the following points up to a maximum of 14 marks.	20
Evidence found in:			
HTML – Head	A1	<meta charset="UTF-8">	
HTML – Head	A2	<meta name="description" is used with suitable description.	
HTML – Body	A3	At least one HTML5 semantic element used to define part of the page. <header> <nav> <section> <article> <footer>	
HTML / CSS	A4	One from: Banner sized at 1000 x 100 pixels Navigation bar sized at 1000 x 50 pixels Text area sized at 500 x 500 pixels Image area sized at 500 x 500 pixels Footer sized at 1000 x 50 pixels	
HTML – Body	A5	A hyperlink has been added to the navigation bar which links to marsRover.html	
HTML – Body / CSS	A6	At least three images added are sized at 150 x 150 pixels	
HTML – Body	A7	At least three images in a row	
HTML – Body / CSS	A8	At least one colour set correctly Background blue – (#0000FF) Font/border Light Grey (#CCCCCC) Footer text Yellow (FFFF00)	
HTML – Body / CSS	A9	Emphasis set on the heading	
HTML – Body / CSS	A10	Semantic tag used for Emphasis on the heading, e.g. ,	
HTML – Body / CSS	A11	Functioning email link from 'Copyright tech' to info@spacetech.co.uk	
HTML – Body / CSS	A12	Padding is taken into account with element sizing. For example: <ul style="list-style-type: none"> • box-sizing: border-box and widths set as specified • padding subtracted from specified widths 	
HTML – Body / CSS	A13	All text centre-aligned	
CSS	A14	Link is present to external style sheet.	



Award up to a maximum of **six** marks for the adherence to the component layout and the application of CSS using the levels based mark scheme below.

Topic Area	0	1	2	3	Mark
Adherence to component layout design	No awardable content	There is little adherence to the component layout design, leading to a solution that is not fit for purpose or is not suitable for the intended	An attempt to adhere to the component layout design leads to a solution that is, in parts, fit for purpose	The webpage fully adheres to the component layout design and style requirements. The resulting solution is fit for purpose and is suitable for	3
Application of CSS to control presentation	No awardable content	There is little attempt to make use of the facilities of CSS to control appearance and style. Most components rely on	An attempt has been made to use CSS to control the appearance and style of some components. This has been successful in	Consistent and accurate application of CSS is used throughout to control the appearance and style of all components.	3



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Response 1

HTML file

```
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8">
5      <title>Mars Rover page</title>
6      <link rel="stylesheet" type="text/css" href="Q04FINISHED.css">
7    </head>
8
9
10   <div class="wrapper clearfix">
11
12     <header>
13       
14     </header>
15     <nav class="nav-main">
16
17   <body>
18     <style>
19       html{
20         background: #0000FF;
21         font-family: verdana;
22         color: #CCCCCC;
23         display: block;
24       }
25     }
26     header{
27       display: block;
28     }
29
30     Footer{
31       color: yellow;
32     }
33
34     p{
35       color:yellow;
36     }
37     .myphoto{
38       padding:0px;
39
40     }
41     body {
42       margin-right:50px;
43
44     }
45   </style>
46
47   </nav>
48   <section class="main">
49     <section id="advert">
```

```

50
51 <div>
52     
53     
54     
55 </div>
56     <div> 
57         
58         
59 </div>
60 <div>
61     
62     
63 </div>
64
65
66 <section class="sidebar">
67     <div>
68     <a href="marsRover.html">Mars Rover Page</a>
69     <h2><em>Space is interesting</em></h2>
70     <p>The sun could hold one million Earths within it. To us this sounds like it is massive.
        However, it is not. The sun is only an average sized star. There are many more suns in the
        universe and a lot of them are much, much bigger than our sun.
71     A lot of people think that there has been life on Mars and that Mars used to be a planet much
        like our planet. Many think there was water on Mars and that its inhabitants migrated to
        another planet when it ran out. However, there is no proof of this at all and it could just be
        wishful thinking on our behalf.
72     It is amazing to think that our universe may not be the only one. Scientists use the term
        multiverse to describe this. It would be fun to think there could be a parallel universe - just
        like ours.</p>
73     </div>
74
75
76
77 </section>
78 </div>
79 <div class="wrapper">
80
81     <footer class="footer">Copyright Space Tech </footer>
82     <a href="mailto:info@spacetechnology.co.uk" title="info@spacetechnology.co.uk">Contact Us</a>
83 </div>
84 </body>
85 </html>

```





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CSS file

```
1
2  html{
3    background: #0000FF;
4    font-family: verdana;
5    color: #CCCCCC;
6    display: block;
7
8  }
9  header{
10   display: block;
11 }
12
13   Footer{
14 color: yellow;
15   }
16
17   p{
18 color:yellow;
19   }
20  .myphoto{
21   padding:0px;
22
23 }
24  body {
25 margin-right:50px;
26
27 }
```



Response 2

HTML file

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="description" value="The official webpage for Space Tech, an organisation interested in
    space and technology">
6
7   <link rel="stylesheet" type="text/css" href="Q04FINISHED.css">
8
9 </head>
10 <body>
11   <div class="container">
12     
13     <nav class="nav-main"> <span id="rover"><a href="marsRover.html">Mars Rover Page</a></span> </nav>
14 <section>
15   <article class="images">
16     
17     
18     
19   </article>
20 <article class="text">
21   <em><h1>Space is interesting</h1></em>
22   <p>
23     The sun could hold one million Earths within it. To us this sounds like it is massive. However, it
    is not. The sun is only an average sized star. There are many more suns in the universe and a lot
    of them are much, much bigger than our sun.
24   </p>
25   <p>
26     A lot of people think that there has been life on Mars and that Mars used to be a planet much like
    our planet. Many think there was water on Mars and that its inhabitants migrated to another planet
    when it ran out. However, there is no proof of this at all and it could just be wishful thinking on
    our behalf.
27   </p>
28   <p>
29     It is amazing to think that our universe may not be the only one. Scientists use the term
    multiverse to describe this. It would be fun to think there could be a parallel universe - just
    like ours.
30   </p>
31 </article>
32 </section>
33 <footer class="footer"><a id="email" href="mailto:info@spacetechn.co.uk">Copyright Space Tech</a></footer>
34 </div>
35 </body>
36 </html>
```



CSS file

```
1  .container{
2      width:1000px;
3      margin: auto;
4  }
5
6  body{
7      background-color:#0000FF;
8      font-family:verdana;
9      color: #CCCCCC;
10     text-align: center;
11 }
12
13 #banner {
14     width:1000px;
15     height:100px;
16 }
17
18 .nav-main{
19     width:1000px;
20     height:50px;
21     background-color:darkblue;
22     text-align: left;
23     line-height: 50px;
24     color: #CCCCCC;
25 }
26
27 #rover{
28     margin-left:20px;
29     background-color:lightblue;
30     padding:5px;
31 }
32
33 a{
34     text-decoration:none;
35 }
36
37 article {
38     width:500px;
39     height:500px;
40 }
41
42
43 .images{
44     float:right;
45 }
46
47 .footer{
48     width:1000px;
49     height:50px;
50     color:#FFFF00;
51     background-color:darkblue;
52     line-height: 50px;
53 }
54
55 #email{
56     color:#FFFF00;
57 }
```



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Personal Learning

Things to do:

Things to avoid:

Ideas to follow up: