

## Vergil's Student Guidance Books explain:

### Element 1.1: Describe internal and external components

<i>Learning Outcome</i>	<i>What you must do</i>
1.1.1, 1.1.2, 1.1.4, 1.1.5 1.1.6, 1.1.7, 1.1.8	<p><b>List the main parts (external and internal) that make up a computer</b> eg: monitor, keyboard, speakers, motherboard, processor, fan</p> <p><b>Say what each part does</b> eg: the speakers and printer are output devices, the fan stops the system from overheating</p> <p><b>Explain how you would connect each peripheral to the computer</b> eg:     <u>Device</u>            <u>Connection method</u>           Printer            Parallel port or USB slot</p>
1.1.3, 2.2.7	<p><b>Open a base unit and get someone to sign, or to say on video, that they have seen you taking care</b> eg: what you did to avoid: - electrocuting yourself, losing the screws, damaging any internal items with static electricity.</p> <p><b>Put the cover back on the base unit.</b></p>
<p><b>Also covers:</b> 1.2.1<sub>p</sub>, 1.2.2<sub>p</sub>, 1.2.8<sub>p</sub>,</p> <p>NB: <sub>p</sub> = Partly</p>	
<p><b>How to prove you have done all this or What to put in your portfolio</b></p> <ul style="list-style-type: none"> <li>* Your list of the internal and external components with an explanation of what each of them does.</li> <li>* For the peripherals, include how they would connect to the computer</li> <li>* A signed statement from someone who saw you working safely, this could be your tutor, a colleague or a fellow student. If you use video evidence make sure you state your name and the date.</li> </ul> <p><b>Put your name and the date on all printouts.</b></p>	

## What the Qualification book says:

Learning Outcomes:	
<p><b>What the candidate must do:</b></p> <p>1.1.1 Describe the function of <b>components</b> that make up a modern <b>work station</b></p> <p>1.1.2 Identify <b>methods of connection</b></p> <p>1.1.3 Demonstrate <b>correct procedures</b> for accessing internal PC components</p> <p>1.1.4 Identify <b>internal components</b> of a PC</p> <p>1.1.5 Describe the <b>function</b> of each internal component</p>	<p><b>What the candidate must know:</b></p> <p>1.1.6 The main components which comprise a PC</p> <p>1.1.7 Types of <b>peripheral devices</b> associated with use of a PC and means of connection</p> <p>1.1.8 Types of internal PC components and their function</p>

### Range:

<b>Components:</b>	eg display; storage; sound; control; output; input
<b>Work station:</b>	computer input, output and storage devices
<b>Methods of connection:</b>	USB; parallel; serial; SCSI; fire wire; audio; video
<b>Correct procedures:</b>	powering down; earthing
<b>Internal components:</b>	motherboard; CPU; fan; RAM; hard disk drive; floppy disk drive; CD drive; sound card; video card; internal modem; network card; serial, parallel and USB ports; PCI and other slots
<b>Function:</b>	processing; cooling; memory; storage; media; sound; telecommunications; communication; expansion; connectivity
<b>Peripheral devices:</b>	eg audio equipment; mouse; keyboard; printer; scanner; external drives (eg: CD; zip, USB)