

PRINCIPAL LEARNING LEVEL 2

ENGINEERING

Unit 5: Construct Electronic and Electrical Systems

F552/IT

INFORMATION FOR PRESENTERS

To be opened on receipt

JANUARY 2010



INFORMATION FOR PRESENTERS

- This document consists of **8** pages. Any blank pages are indicated.

Session 1	Organisational instructions	Must say
<p>120 minutes are available for this session.</p> <p>The times given in this column must be adhered to.</p>	<p>Preparation of room prior to candidates entering:</p> <p>Cover over any charts or displays that have subject related information on them i.e. component charts, circuit diagrams.</p> <p>This must be done for all sessions.</p> <p>Place candidates answer booklets in each workspace – have pens, pencils, stencils etc. available.</p> <p>As candidates enter the room:</p> <p>Direct candidates to their allocated work stations.</p> <p>Ensure candidates have anything necessary to carry out the session.</p> <p>Repeat this process for session 2 and session 3.</p> <p>Collect the workbooks at the end of the session and keep in a secure location.</p>	<p>This is session 1 which lasts 120 minutes (2 hours).</p> <p>Over the next 2 hours you are to complete Task 1 and Task 2 in your workbook.</p> <p>It is recommended that you spend approximately 1 hour on each task.</p> <p><i>Although you are not working in an examination hall you must still treat this activity as an examination. You should not talk unless you are told to do so by a member of staff. Part of the examination requires you to explain your work and receive comments from your work group. This will be explained by the member of staff before this activity takes place.</i></p> <p><i>Teaching staff are here to monitor health and safety and organise the running of the challenge. Staff are not allowed to give advice or guidance about your design or making activity. However, you are allowed to ask for clarification if you are not sure about a task.</i></p>

Session 2	Organisational instructions	Must say
<p>120 minutes are available for this session.</p> <p>The times given in this column must be adhered to.</p>	<p>Preparation of room prior to candidates entering:</p> <p>Have available a full range of components and equipment that will allow the candidates to complete this task.</p> <p>It is expected that candidates will be familiar with the layout of the workshop/workshop they are using.</p> <p>Have a camera and printer available for taking photographs at the end of the session.</p> <p>As candidates enter the room:</p> <p>Direct candidates to their allocated work stations.</p> <p>Ensure candidates have anything necessary to carry out the session.</p> <p>At the end of the session photograph the candidates prototype circuits, print them off and stick them into their workbooks – a technician could help you with this.</p> <p>Photocopy page 6 of your candidate workbook.</p> <p>Collect workbooks and photocopied circuit diagrams at the end of the session and keep in a secure location.</p> <p>Arrange for candidates to produce a circuit board of their chosen solution before the start of the next session using their photocopied circuit diagram.</p>	<p>This is session 2 which lasts 120 minutes (2 hours).</p> <p>Over the next 2 hours you are to complete Task 3 Part 1.</p> <p><i>Although you are not working in an examination hall you must still treat this activity as an examination. You should not talk unless you are told to do so by a member of staff. Part of the examination requires you to explain your work and receive comments from your work group. This will be explained by the member of staff before this activity takes place.</i></p> <p><i>Teaching staff are here to monitor health and safety and organise the running of the challenge. Staff are not allowed to give advice or guidance about your design or making activity. However, you are allowed to ask for clarification if you are not sure about a task.</i></p> <p>Photographs of your prototype circuits will be taken at the end of the session. These will be stuck into your workbooks.</p> <p>At the end of the session you will be allowed to produce a circuit board for your circuit before the start of session 3 using the photocopied circuit diagram from page 6 of your workbook.</p> <p>You must hand in the photocopied circuit diagram at the start of session 3.</p>

Session 3	Organisational instructions	Must say
<p>120 minutes are available for this session.</p> <p>The times given in this column must be adhered to.</p>	<p>Preparation of room prior to candidates entering:</p> <p>Have available a full range of components and equipment that will allow the candidates to complete these tasks.</p> <p>It is expected that candidates will be familiar with the layout of the workshop/workshop they are using.</p> <p>Have a camera available for taking photographs at the end of the session.</p> <p>Depending on the number and type of testing equipment available, you might need to allocate time slots/a rota for candidates.</p> <p>Allow for waiting time if necessary.</p> <p>As candidates enter the room:</p> <p>Direct candidates to their allocated work stations.</p> <p>Ensure candidates have anything necessary to carry out the session.</p> <p>At the end of the session photograph both sides of the candidates finished circuit, print them off and stick them into their workbooks – a technician could help you with this.</p> <p>Collect workbooks and photocopied circuit diagrams at the end of the session and keep in a secure location.</p> <p>Arrange for workbooks to be internally assessed ready for external moderation.</p>	<p>This is session 3 which lasts 120 minutes (2 hours).</p> <p>Over the next 2 hours you are to complete Task 3 Part 2 and Task 4.</p> <p><i>Although you are not working in an examination hall you must still treat this activity as an examination. You should not talk unless you are told to do so by a member of staff. Part of the examination requires you to explain your work and receive comments from your work group. This will be explained by the member of staff before this activity takes place.</i></p> <p><i>Teaching staff are here to monitor health and safety and organise the running of the challenge. Staff are not allowed to give advice or guidance about your design or making activity. However, you are allowed to ask for clarification if you are not sure about a task.</i></p> <p>Photographs of both sides of your finished circuit will be taken at the end of the session.</p> <p>These will be stuck into your workbook.</p> <p>If you have to wait to use any of the equipment you will be allowed extra time at the end of the session.</p> <p>Additional photographs, photocopies and other relevant information such as PCB layouts etc. can be attached to page 11 in your workbook.</p>

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