

Commentary on candidate evidence

The candidate evidence has achieved the following marks for each section of this course assessment component – practical activity.

These materials can be used by candidates to support them in completing their log books, and by assessors to assist them in making assessment judgements. These should be used in conjunction with the National 5 Practical Woodworking videos that are published on the Understanding Standards website.

The following key points should be noted by assessors and explained to candidates before they start to record their log book entries:

- ◆ Candidates must complete the relevant boxes for each issue they identify, or procedure they carry out, providing relevant and sufficient details. Simply naming a tool or machine is not a procedure. The description of the procedure must be clear and detail how the machine or power tool was used. However, there is no need to specify the artefact the procedure was used for. For example, 'woodturning lathe' is not a suitable entry, as it is not a procedure, whereas 'using the woodturning lathe to turn a blank' clearly explains the procedure and would therefore be acceptable.
- ◆ The entries in the log book should be clear and in the candidates' own words.
- ◆ Candidates can complete their log book entries using procedures and checks carried out throughout the course and not just when undertaking the practical activity assessment. Entries can be based on procedures which they carry out throughout the course.
- ◆ In the machine and power tool care and maintenance section, each entry must cover areas associated with that procedure. Checks must be carried out to an acceptable standard and be appropriate and specific to the machinery and/or power tools recorded in the log book.
- ◆ In the tool care and maintenance section, candidates should identify the issue, report it to their assessor and then rectify it. This should then be recorded in detail in the log book. In this section it is mandatory that candidates include the procedure for honing a cutting edge on a plane iron or chisel.
- ◆ Assessors should discuss marks with candidates before signing off the log books.

While there is not a definitive number of checks that are required against each procedure, each response must clearly provide evidence of the candidate's knowledge and understanding of how to use the machine or tool. Entries must be relevant to the procedure or issue identified by the candidate and not simply be a list of generic statements or relate entirely to personal safety.

In some instances, where candidates don't get the opportunity to fix naturally occurring issues, it is acceptable for a candidate to be presented with scenarios in which tools require attention, need to be repaired or set up. For example, giving a candidate a working drawing of a mortise and tenon joint, and then asking them to set a mortise gauge accordingly, or presenting them with a blunt tool, would be considered appropriate.

Candidate 1

National 5 Practical Woodworking: practical activity

Candidate log book

Centre: A High School

Candidate name: A. Candidate

Area	Total marks for each area	Total mark for log book
Machine and power tool care and maintenance	2/5	10/15
Tool care and maintenance	3/5	
Safe working procedures	5/5	

Candidate signature: *A. Candidate* Date: *27/3/2022*

Assessor signature: *A.N. Assessor* Date: *27/3/2022*

Machine and power tool care and maintenance

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
<p>Procedure 1</p> <p><i>Used the cordless drill to screw the rail to the carcass</i></p> <p><i>06/09/2021</i></p>	<ul style="list-style-type: none"> • <i>Make sure you have the right size drill bit</i> • <i>Make sure drill bit is tightly secured</i> • <i>Make sure the drill is fully charged</i> • <i>Make sure it's turning the right way.</i> 	<ul style="list-style-type: none"> • <i>Remove drill bit and put it back</i> • <i>Clean drill</i> • <i>Charge battery.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>1 mark</p> <p>1 mark is awarded as the candidate has provided a range of pre and post use checks which display good knowledge and understanding.</p>
<p>Procedure 2</p> <p><i>I used the woodwork lathe to turn a rectangular piece of wood into a cylinder</i></p> <p><i>12/10/2021</i></p>	<ul style="list-style-type: none"> • <i>I ensured the workpiece was secure on the spur</i> • <i>I checked the tailstock was in place and tight to workpiece</i> • <i>I checked the dust extractor was in place and not clogged up.</i> 	<ul style="list-style-type: none"> • <i>I made sure it had made a complete stop before touching the workpiece</i> • <i>I checked all parts were back in starting positions</i> • <i>I checked the dust extraction was off</i> • <i>I brushed all dust down from machine to leave it tidy.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>0 marks</p> <p>No marks are awarded as even though the candidate has given a range of pre and post use checks, some details are vague or incorrect and use of terminology is poor. There is no mention of any specific details that would evidence the candidate's understanding of how to use this machine correctly, such as setting up tool rest, rotating the workpiece to check for clearance or checking that the work area is clear.</p>

Machine and power tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 3 <i>Belt sander</i> 10/11/2021	<ul style="list-style-type: none"> • <i>Switch power on</i> • <i>Check machine for damage</i> • <i>Make sure machine is set up correctly.</i> 	<ul style="list-style-type: none"> • <i>Switch off machine</i> • <i>Clean machine</i> • <i>Check machine for damage.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	0 marks No marks are awarded as the candidate has made generic statements which could apply to any machine. There is a lack of detailed knowledge in the response, for example, 'checking the belt for damage', 'checking guards are in place', 'ensuring the table is tight' would be the detail required. There is also a lack of detail about the procedure; simply stating 'Belt sander' is not a procedure and candidates should detail the procedure they carried out on the machine.
Procedure 4 <i>Used the jigsaw to cut the ends of my toolbox</i> 09/12/2021	<ul style="list-style-type: none"> • <i>The plug and cable on the jigsaw were ok</i> • <i>The saw blade was bent but I got my teacher to fix it.</i> 	<ul style="list-style-type: none"> • <i>Put it back in the cupboard.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	0 marks No marks are awarded as the log book entry lacks detail. A fuller response, for example would include checking cable, casing and plug for damage, attaching extraction, checking workpiece is secure and checking guards are in place.

Machine and power tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 5 <i>Used the mortise machine to cut haunched M&T on table mirror</i> 02/02/2022	<ul style="list-style-type: none"> • <i>Clamp workpiece securely</i> • <i>Check cutter for damage</i> • <i>Set depth of cut</i> • <i>Close any guards</i> • <i>Switch on power.</i> 	<ul style="list-style-type: none"> • <i>Switch off machine</i> • <i>Unclamp workpiece</i> • <i>Clean machine</i> • <i>Check mortise bit for damage.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>1 mark</p> <p>1 mark is awarded as the candidate has demonstrated a clear understanding of how to set up and use the machine.</p> <p>However, it should be noted that the course assessment Practical Activity in session 2021-22 did not allow the use of the mortise machine and therefore, the mortises had to be cut by hand. Centres should ensure candidates are made aware of all the instructions before they start the practical activity assessment.</p> <p>In this instance, marks may have to be deducted from the 'cutting of carcass joints' section to address this.</p>

- ◆ You must complete the relevant boxes for each machine/power tool procedure check you carry out.
- ◆ The checks must be relevant to the machine/power tools you are using and not general care and maintenance procedures.
- ◆ Your assessor should discuss your mark with you before signing off.

Machine and power tool care and maintenance	Total marks awarded	2
---	---------------------	---

Tool care and maintenance

Procedure and date carried out	What I did to fix it....	What I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
<p>Procedure 1</p> <p><i>A mortise gauge needs set to mark a mortise and tenon</i></p> <p>15/10/2021</p>	<ul style="list-style-type: none"> • <i>I slacked the thumbscrew</i> • <i>Then I set the distance between the spurs to 6mm</i> • <i>I set the distance from the bottom spur to the stock to 6mm</i> • <i>I tightened the thumbscrew firmly.</i> 	<ul style="list-style-type: none"> • <i>I checked the thumbscrew was tight</i> • <i>I checked my mortise gauge was centred on my piece of wood by checking the position of the spurs from both sides</i> • <i>I got my teacher to check it.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>1 mark</p> <p>1 mark is awarded as the candidate has a clear understanding of how to carry out the process. While there is some repetition, this is acceptable.</p>
<p>Procedure 2</p> <p><i>The rebate plane needs set for the rebate on my picture frame</i></p> <p>18/11/2021</p>	<ul style="list-style-type: none"> • <i>I set up the depth stop</i> • <i>I set up the fence as well.</i> 	<ul style="list-style-type: none"> • <i>After I used it I cleaned it and put it away.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>0 marks</p> <p>No marks are awarded as the pre and post use checks lack depth. There is no mention of sizes used for setting the plane, or the process for doing so. Had the candidate included this information, and discussed testing the tool on scrap wood, this would have been sufficient to achieve a mark.</p>

Tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
<p>Procedure 3</p> <p><i>The bevel edge chisel I'm using is blunt*</i></p> <p>06/12/2021</p>	<ul style="list-style-type: none"> • <i>Get a sharpening stone and clamp it in a bench vice</i> • <i>Put oil on the sharpening stone</i> • <i>Put the chisel to a 30-degree angle</i> • <i>Sharpen the chisel in a figure of eight motion</i> • <i>Deburr the chisel on a block of wood.</i> 	<ul style="list-style-type: none"> • <i>Check the chisel on a scrap piece of wood</i> • <i>Tidy away tools when chisel is sharp.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>1 mark</p> <p>1 mark is awarded as the candidate has a clear understanding of how to carry out the process.</p> <p>*Honing a chisel or plane iron is essential to achieve full marks in this section.</p>
<p>Procedure 4</p> <p><i>Block plane wasn't cutting the wood properly</i></p> <p>10/1/22</p>	<ul style="list-style-type: none"> • <i>I made sure to sharpen the blade</i> • <i>I made sure to adjust the blade for the cut</i> • <i>I made sure to test it on a scrap piece of wood before returning it.</i> 	<ul style="list-style-type: none"> • <i>I checked if the blade was sharp by testing it on a scrap piece of wood</i> • <i>I checked with the teacher if it was okay.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>0 marks</p> <p>No marks are awarded as the candidate has made vague statements that don't refer to either setting the plane or honing the plane blade, which would fix the problem identified.</p>

Tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 5 <i>The coping saw blade snapped</i> 18/03/2022	<ul style="list-style-type: none"> • <i>I turned the handle anticlockwise to loosen the blade</i> • <i>I took the broken parts of the blade and put them in the bin</i> • <i>I got a new blade from the teacher and hooked it onto the locating pins</i> • <i>I retightened the handle and made sure the blade lined up with the frame.</i> 	<ul style="list-style-type: none"> • <i>I check the blade was the right way round</i> • <i>I checked the handle was tight</i> • <i>I got my teacher to check it then tested the coping saw on a scrap piece of wood.</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	1 mark 1 mark is awarded as the candidate has demonstrated a clear understanding of how to carry out the process.

- ◆ You must complete the relevant boxes for each issue you identify and procedure you carry out.
- ◆ You will be presented with tools that require attention, need repaired or set.
- ◆ You should identify the issue, report it to your assessor and then rectify it.
- ◆ Your assessor should discuss your mark with you before signing off.

Tool care and maintenance	Total marks awarded	3
---------------------------	---------------------	---

Safe working procedures

An important part of the course is your ability to work in a safe manner. You must adhere to all health and safety procedures associated with the use of various power, machine and hand tools, and processes that you encounter during the course.

You must always behave in a manner expected within a workshop environment.

Your assessor will observe you throughout the practical activity and will award you a mark between 0-5. This mark forms part of your final assessment.

Marks are awarded as follows:

Safe working procedures	Mark
Candidate has adhered to safe working procedures, with no need for reminders or interventions	5
Candidate has adhered to safe working procedures, with one reminder or intervention	4
Candidate has adhered to safe working procedures, with two reminders or interventions	3
Candidate has adhered to safe working procedures, with three or four reminders or interventions	2
Candidate has adhered to safe working procedures, with regular reminders or interventions	1
Candidate has adhered to safe working procedures, with constant reminders or interventions	0

Safe working procedures	Total marks awarded	5
-------------------------	---------------------	---

Note to assessors: You may find it helpful to indicate any interventions during the practical activity as they happen, by striking through in grid as shown here. This lets the candidate know how their working practices is affecting their mark.

Candidate 2

National 5 Practical Woodworking: practical activity

Candidate log book

Centre: A High School

Candidate name: A. Candidate

Area	Total marks for each area	Total mark for log book
Machine and power tool care and maintenance	1/5	10/15
Tool care and maintenance	4/5	
Safe working procedures	5/5	

Candidate signature: *A. Candidate* Date: *27/3/2022*

Assessor signature: *A.N. Assessor* Date: *27/3/2022*

Machine and power tool care and maintenance

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
<p>Procedure 1</p> <p>5th September</p> <p>Using the lathe to make a blank</p>	<p><i>I checked the tailstock wasn't loose.</i></p> <p><i>I checked the tool rest wasn't too close.</i></p> <p><i>I checked the emergency stop button was working.</i></p> <p><i>I checked the speed adjustor was working.</i></p>	<p><i>Switch the machine off.</i></p> <p><i>Make sure the emergency stop button is pulled out as it sometimes sticks.</i></p>	<p>A.</p> <p>Candidate</p>	<p>A.N. Assessor</p>	<p>0 marks</p> <p>No marks are awarded as there are numerous mistakes in the response, and it does not provide evidence of knowledge and understanding about using a woodturning lathe. Some pre and post use checks are vague and cannot be carried out before switching the machine on.</p>
<p>Procedure 2</p> <p>15th October</p> <p>Used the orbital sander to sand down a work piece</p>	<p><i>Before using I checked the plug to make sure there's no scratches and the cable to make sure there's no loose wires. I also checked the sandpaper was secured.</i></p>	<p>The plug, the cable, the sandpaper has no rips in it.</p>	<p>A.</p> <p>Candidate</p>	<p>A.N. Assessor</p>	<p>0 marks</p> <p>No marks are awarded as the pre and post use checks are vague and lack knowledge and understanding. With some additional detail, this answer could be improved to gain a mark. For example, referring to checking the cable, casing and plug for damage and attaching extraction.</p>

Machine and power tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
<p>Procedure 3</p> <p>21st October</p> <p>Used the hand drill for countersinks</p>	<p><i>I made sure the drill piece is in the chuck tightly.</i></p> <p><i>I made sure my workpiece was clamped and I held the drill tightly.</i></p>	<p><i>I took out the drill piece.</i></p> <p><i>I checked the tool for damage.</i></p> <p><i>I cleaned it and put it back in the cupboard.</i></p>	<p>A.</p> <p>Candidate</p>	<p>A.N. Assessor</p>	<p>0 marks</p> <p>No marks are awarded as the pre and post use checks are vague and do not provide evidence of knowledge and understanding about this tool. In this instance, the candidate could be talking about a manually operated handheld drill and has not specified it is a power tool. The entry would be improved if the candidate, for example, discussed checking the direction of rotation, checking if the battery is charged, checking the drill bit size, and adjusting torque.</p>
<p>Procedure 4</p> <p>12th November</p> <p>I watched the technician use a circular saw to cut wood for my mirror</p>	<p><i>The power was switched on.</i></p> <p><i>Safety guards in place.</i></p> <p><i>Blade set to right height.</i></p> <p><i>Fence set to correct position.</i></p> <p><i>Push sticks at hand.</i></p>	<p><i>Isolated power.</i></p> <p><i>Reset blade height.</i></p> <p><i>Cleaned machine.</i></p>	<p>A.</p> <p>Candidate</p>	<p>A.N. Assessor</p>	<p>0 marks</p> <p>No marks are awarded because the candidate did not participate in the set up and use of the machine.</p> <p>Note: This machine is inappropriate for the National 5 Practical Woodworking course.</p>

Machine and power tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 5 8th January I used the belt sander to sand and smooth my tea caddy	<i>The teacher was in the room before I used the sander. I checked I had no loose clothing or jewellery which could contact the sander. I had no other people in the safe working area. I had to check the guard was in place. When I tried to use the sander it would not switch on. I checked it with teacher and found safety button had not been reset.</i>	<i>I made sure it had made a complete stop before touching the work piece. The machine was tidy and in good order for next user. Check guard in place ready for next user.</i>	<i>A. Candidate</i>	<i>A.N. Assessor</i>	1 mark 1 mark is awarded as there is a good range of pre and post use checks detailed. While it could be argued that there is a lack of checks specific to the machine, this is a good answer and provides evidence that the candidate has a good understanding of how to use this machine.

- ◆ You must complete the relevant boxes for each machine/power tool procedure check you carry out.
- ◆ The checks must be relevant to the machine/power tools you are using and not general care and maintenance procedures.
- ◆ Your assessor should discuss your mark with you before signing off.

Machine and power tool care and maintenance	Total marks awarded	1
---	---------------------	---

Tool care and maintenance

Procedure and date carried out	What I did to fix it...	What I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
<p>Procedure 1</p> <p>16th September</p> <p>The rebate plane needs set for the base on my tea caddy</p>	<p>I loosened the screw and set up the depth stop to the thickness of the plywood.</p> <p>I set up the fence to 8mm as this was half of the thickness of the wood.</p> <p>I tightened both screws.</p>	<p>I checked the screws were tight.</p> <p>I got my teacher to check the measurements.</p> <p>I tested the plane on a scrap piece of wood, working from front to back.</p>	A. Candidate	A.N. Assessor	<p>1 mark</p> <p>1 mark is awarded as the candidate has clearly described how to set up the rebate plane and how it related to the task.</p>
<p>Procedure 2</p> <p>20th September</p> <p>I had to set a marking gauge to mark a halving joint.</p>	<p>I roughly estimated where halfway on my workpiece was on the marking gauge.</p> <p>I put a mark on my workpiece from either side.</p> <p>I then loosened the screw and adjusted the stock until the marks were centred from either side.</p>	<p>I fully tightened the screw to make sure it didn't move.</p> <p>I double checked my marking gauge was centred before marking out my workpiece.</p> <p>I put the marking gauge away after I was finished.</p>	A. Candidate	A.N. Assessor	<p>1 mark</p> <p>1 mark is awarded as the candidate has clearly described how to set up a marking gauge and how to find the centre of a workpiece without using a steel rule.</p>

Tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 3 3 rd November The smoothing plane is not cutting as the blade is jammed	<i>I looked over the tool to work out the problem. The blade was jammed with wood shavings so I turned the adjuster nut to retract the blade. I cleared out all the shavings and lined the blade up with the mouth. I turned the adjuster nut to push out the blade again.</i>	<i>I tested the plane on a scrap piece of wood, making small adjustments with the nut until I was getting thin, continuous shavings. I rechecked the blade was lined up before I used it on my workpiece.</i>	<i>A. Candidate</i>	<i>A.N. Assessor</i>	1 mark 1 mark awarded as the candidate has clearly described how to set up a smoothing plane.
Procedure 4 6 th December Set a sliding bevel for a mitre joint	<i>I loosened the wingnut on the sliding bevel so it was moveable. I used a set square to set the sliding bevel to 45 degrees for a corner mitre. I tightened the wingnut.</i>	<i>I did a final check against a 45-degree set square before marking out. I marked one side of the joint and checked it against the other workpiece to make sure my measurements were correct.</i>	<i>A. Candidate</i>	<i>A.N. Assessor</i>	1 mark 1 mark is awarded as the candidate has clearly described how to set up a sliding bevel. Note: As this procedure provides limited scope for candidates to discuss in detail, consideration should be given to including this as a log book entry.

Tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 5 14 th March Setting a hand router for a stopped housing joint	<i>I loosened the thumbscrew to allow the blade to move. I set the depth from the sole of the plane to the tip of the blade to 8mm which was half depth. I tightened the thumbscrew again.</i>	<i>I checked the depth of the blade against the markings on the workpiece to make sure they aligned. I clamped my workpiece up and checked the tool for any damage before I used it.</i>	<i>A. Candidate</i>	<i>A.N. Assessor</i>	0 marks While this entry should achieve a mark, the candidate has been unable to attain full marks in this section, despite giving five good quality responses. This is because they have not included the mandatory entry of detailing the procedure for honing a cutting edge on a plane iron or chisel.

- ◆ You must complete the relevant boxes for each issue you identify and procedure you carry out.
- ◆ You will be presented with tools that require attention, need repaired or set.
- ◆ You should identify the issue, report it to your assessor and then rectify it.
- ◆ Your assessor should discuss your mark with you before signing off.

Tool care and maintenance	Total marks awarded	4
---------------------------	---------------------	---

Safe working procedures

An important part of the course is your ability to work in a safe manner. You must adhere to all health and safety procedures associated with the use of various power, machine and hand tools, and processes that you encounter during the course.

You must always behave in a manner expected within a workshop environment.

Your assessor will observe you throughout the practical activity and will award you a mark between 0-5. This mark forms part of your final assessment.

Marks are awarded as follows:

Safe working procedures	Mark
Candidate has adhered to safe working procedures, with no need for reminders or interventions	5
Candidate has adhered to safe working procedures, with one reminder or intervention	4
Candidate has adhered to safe working procedures, with two reminders or interventions	3
Candidate has adhered to safe working procedures, with three or four reminders or interventions	2
Candidate has adhered to safe working procedures, with regular reminders or interventions	1
Candidate has adhered to safe working procedures, with constant reminders or interventions	0

Safe working procedures	Total marks awarded	5
-------------------------	---------------------	---

Note to assessors: You may find it helpful to indicate any interventions during the practical activity as they happen, by striking through in grid as shown here. This lets the candidate know how their working practices is affecting their mark.

Candidate 3

National 5 Practical Woodworking: practical activity

Candidate log book

Centre: A High School

Candidate name: A. Candidate

Area	Total marks for each area	Total mark for log book
Machine and power tool care and maintenance	2/5	8/15
Tool care and maintenance	2/5	
Safe working procedures	4/5	

Candidate signature: *A. Candidate*

Date: *27/3/2022*

Assessor signature: *A.N. Assessor*

Date: *27/3/2022*

Machine and power tool care and maintenance

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 1 <i>Lathe</i> Aug 23 rd 2021	<ol style="list-style-type: none"> 1. <i>Make sure that the piece of wood is secure in the lathe</i> 2. <i>Make sure that the wood is centered</i> 3. <i>Make sure that the speed dial is working</i> 	<ol style="list-style-type: none"> 1. <i>Make sure that the safety switch is out and not stuck</i> 2. <i>Make sure the machine is off</i> 3. <i>Make sure the speed is all the way down</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>0 marks</p> <p>No marks are awarded as the candidate has noted a limited range of pre and post use checks, and those detailed are vague and not always relevant. There is no mention of tool rest setting or extraction, for example.</p> <p>Simply stating 'Lathe' as the procedure is insufficient. Candidates should provide details of the procedure they carried out on the machine.</p>

Machine and power tool care and maintenance

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 2 <i>Orbital sander</i> Sept 10 th 2021	<ol style="list-style-type: none"> 1. <i>Switch power on</i> 2. <i>Put goggles on</i> 3. <i>Put apron on</i> 4. <i>Make sure you are wearing a dust mask</i> 	<ol style="list-style-type: none"> 1. <i>Switch off machine</i> 2. <i>Clean machine</i> 3. <i>Check machine for damage</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>0 marks</p> <p>No marks are awarded as the candidate has focused on personal safety checks and made generic statements which could apply to any machine. There is also a lack of detailed knowledge in this response. 'Checking sandpaper and attaching extraction' would be an example of the detail needed.</p> <p>There is also a lack of detail about the procedure; simply stating 'Orbital sander' is not a procedure. Candidates should detail the procedure they carried out on the machine.</p>

Machine and power tool care and maintenance

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 3 <i>Used a cordless drill to assemble toolbox</i> Sept 24 th 2021	<ol style="list-style-type: none"> 1. <i>Drill piece is tightened</i> 2. <i>The battery is not low</i> 3. <i>Depth stop is secured and at right depth</i> 	<ol style="list-style-type: none"> 1. <i>Drill bit isn't broken</i> 2. <i>Set the drill to locked</i> 3. <i>Check the battery isn't popped</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	0 marks No marks are awarded as the candidate has given a limited range of pre and post use checks and has used vague language which lacks knowledge and understanding of this procedure. This response could be considered borderline and with some further specific detail, it could achieve a mark. Candidates should avoid using ambiguous language such as saying the battery 'isn't popped'.

Machine and power tool care and maintenance

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 4 <i>Used the pillar drill to drill dowel holes</i> October 15 th 2021	<ol style="list-style-type: none"> 1. <i>I made sure the drill piece is in the chuck tightly</i> 2. <i>I made sure the safety guard was down</i> 3. <i>I made sure there was a scrap bit of wood under the drill</i> 4. <i>I made sure the power was switched on</i> 5. <i>I clamped my workpiece to the machine</i> 	<ol style="list-style-type: none"> 1. I made sure the power was switched off 2. I checked the machine for damage 3. I cleaned and dusted down the machine 4. I removed my workpiece 	<i>A.</i> Candidate	<i>A.N.</i> Assessor	1 mark 1 mark is awarded as there is a good range of detailed pre and post use checks given. While the list is not exhaustive, the candidate has a clear understanding of how to use this machine.

Machine and power tool care and maintenance

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 5 <i>Sanding the chamfers on the carcass of my table mirror</i> Feb 28 th 2022	<ol style="list-style-type: none"> 1. Check power is on 2. Make sure machine is clean 3. Check for damage to belt 4. Secure table Set guard to correct height 	<ol style="list-style-type: none"> 1. Turn off power 2. Check machine for damage and rips 3. Close guard 4. Brush off dust 	A. Candidate	A.N. Assessor	1 mark 1 mark is awarded as the candidate has a clear understanding of how to set up and use this machine. However, it should be noted that the course assessment Practical Activity in session 2021-22 stated that the chamfers had to be planed by the candidate. Centres should ensure that candidates are made aware of all the instructions before they start the Practical Activity assessment. In similar situations, marks may have to be deducted from another section in the Practical Activity.

- ◆ You must complete the relevant boxes for each machine/power tool procedure check you carry out.
- ◆ The checks must be relevant to the machine/power tools you are using and not general care and maintenance procedures.
- ◆ Your assessor should discuss your mark with you before signing off.

Machine and power tool care and maintenance	Total marks awarded	2
---	---------------------	---

Tool care and maintenance

Procedure and date carried out	What I did to fix it....	What I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
<p>Procedure 1</p> <p><i>The bevel edged chisel was not cutting properly</i></p> <p>Sept 6th 2021</p>	<ol style="list-style-type: none"> <i>1. I made sure to sharpen it before use</i> <i>2. I ran it back and forward on the oil stone</i> 	<ol style="list-style-type: none"> <i>1. I checked if the chisel was sharp</i> <i>2. If the handle was securely attached</i> <i>3. I checked with the teacher if it was okay</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>0 marks</p> <p>No marks are awarded as the candidate has noted a limited range of pre and post use checks, and those detailed are vague and not always relevant. This response should focus on the process of honing the chisel.</p>
<p>Procedure 2</p> <p><i>The coping saw blade was facing the wrong way</i></p> <p>Sept 13th 2021</p>	<ol style="list-style-type: none"> <i>1. I turned the handle anticlockwise to loosen the blade</i> <i>2. I flipped the blade round</i> <i>3. I retightened the handle and made sure the blade lined up with the frame</i> 	<ol style="list-style-type: none"> <i>1. I check the blade was the right way round</i> <i>2. I checked the handle was tight</i> <i>3. I got my teacher to check it then tested the coping saw on a scrap piece of wood</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	<p>1 mark</p> <p>1 mark is awarded as there is a good range of pre and post use checks detailed.</p>

Tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 3 <i>The pin was bent on the marking gauge</i> Feb 17 th 2022	1. <i>I got a hammer and hit the pin until it was straight. Then I filed it so it was pointy</i>	1. <i>I tested it on a piece of wood</i>	<i>A. Candidate</i>	<i>A.N. Assessor</i>	0 marks No marks are awarded as the candidate has noted a limited range of pre and post use checks. Note: This procedure is bad practice and would be discouraged.
Procedure 4 <i>I had to make a pilot hole</i> Mar 2 nd 2022	1. <i>Get a bradawl</i> 2. <i>Push it into the wood</i>	1. <i>I screwed in a screw and it did not split the wood</i>	<i>A. Candidate</i>	<i>A.N. Assessor</i>	0 marks No marks are awarded as the candidate has detailed an insufficient range of pre and post use checks to attain a mark. Given the limited discussion points this procedure presents, candidates should be advised against detailing such a procedure in the log book.

Tool care and maintenance (continued)

Procedure and date carried out	Before using, I checked...	After using, I checked...	Candidate signature	Assessor signature	1 mark or 0 marks and comments
Procedure 5 <i>Set a plough plane to cut a groove for the drawer base</i> Mar 11 th 2022	<ol style="list-style-type: none"> 1. <i>I slackened the screw and set the fence to 10mm with a steel rule so the blade is in the correct place when I start to cut, then tightened the screw again</i> 2. <i>I then set the depth stop 6mm the same way</i> 	<ol style="list-style-type: none"> 1. <i>Checked the blade is not damaged</i> 2. <i>Checked the screws were tight</i> 3. <i>Checked the tool cut properly and was sharp</i> 4. <i>Tested the tool on a scrap piece of wood, working from front to back</i> 	<i>A. Candidate</i>	<i>A.N. Assessor</i>	1 mark 1 mark is awarded as there is a good range of pre and post use checks with enough detail.

- ◆ You must complete the relevant boxes for each issue you identify and procedure you carry out.
- ◆ You will be presented with tools that require attention, need repaired or set.
- ◆ You should identify the issue, report it to your assessor and then rectify it.
- ◆ Your assessor should discuss your mark with you before signing off.

Tool care and maintenance	Total marks awarded	2
---------------------------	---------------------	---

Safe working procedures

An important part of the course is your ability to work in a safe manner. You must adhere to all health and safety procedures associated with the use of various power, machine and hand tools, and processes that you encounter during the course.

You must always behave in a manner expected within a workshop environment.

Your assessor will observe you throughout the practical activity and will award you a mark between 0-5. This mark forms part of your final assessment.

Marks are awarded as follows:

Safe working procedures	Mark
Candidate has adhered to safe working procedures, with no need for reminders or interventions	5
Candidate has adhered to safe working procedures, with one reminder or intervention	4
Candidate has adhered to safe working procedures, with two reminders or interventions	3
Candidate has adhered to safe working procedures, with three or four reminders or interventions	2
Candidate has adhered to safe working procedures, with regular reminders or interventions	1
Candidate has adhered to safe working procedures, with constant reminders or interventions	0

Safe working procedures	Total marks awarded	4
-------------------------	---------------------	----------

Note to assessors: You may find it helpful to indicate any interventions during the practical activity as they happen, by striking through in grid as shown here. This lets the candidate know how their working practices is affecting their mark.