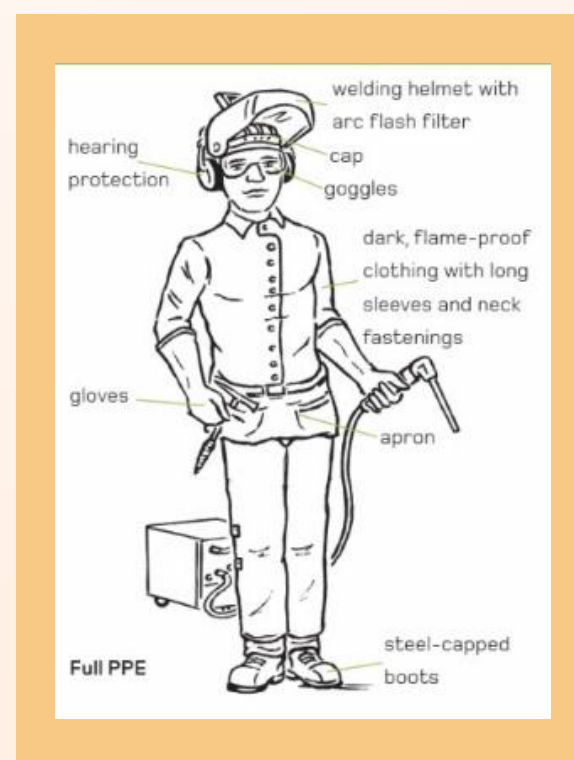
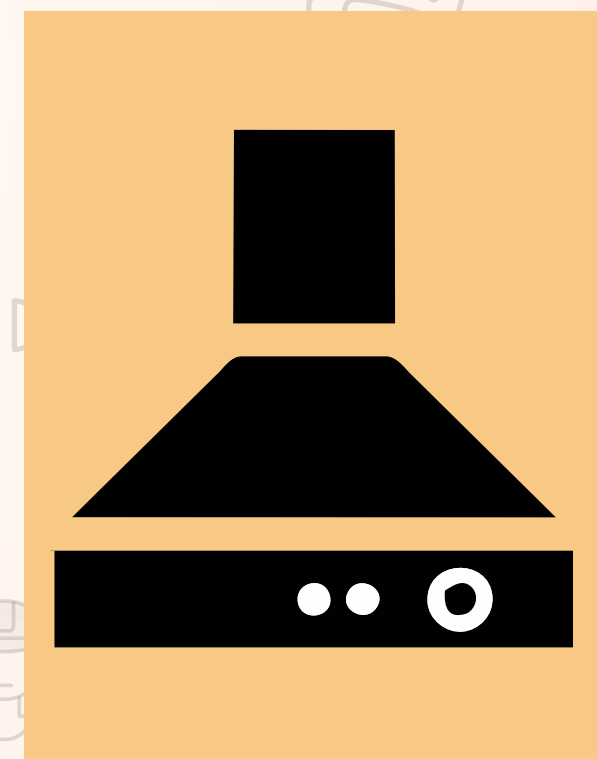
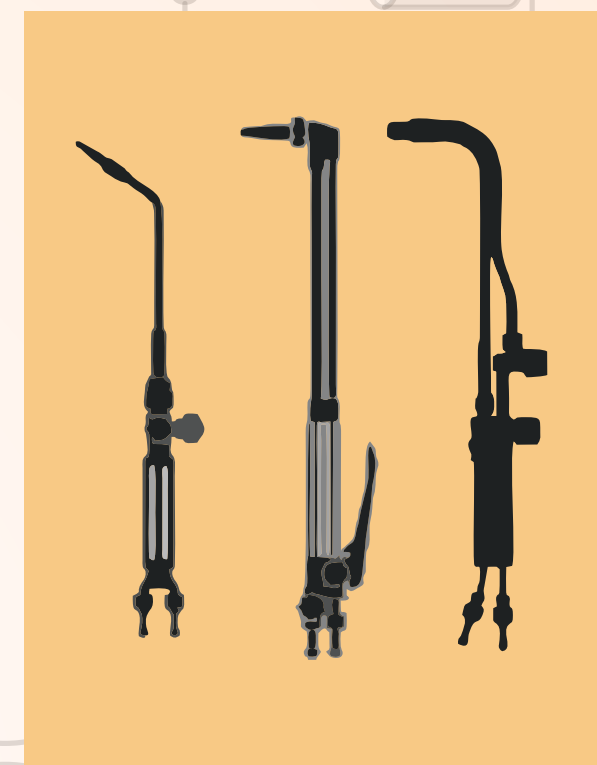
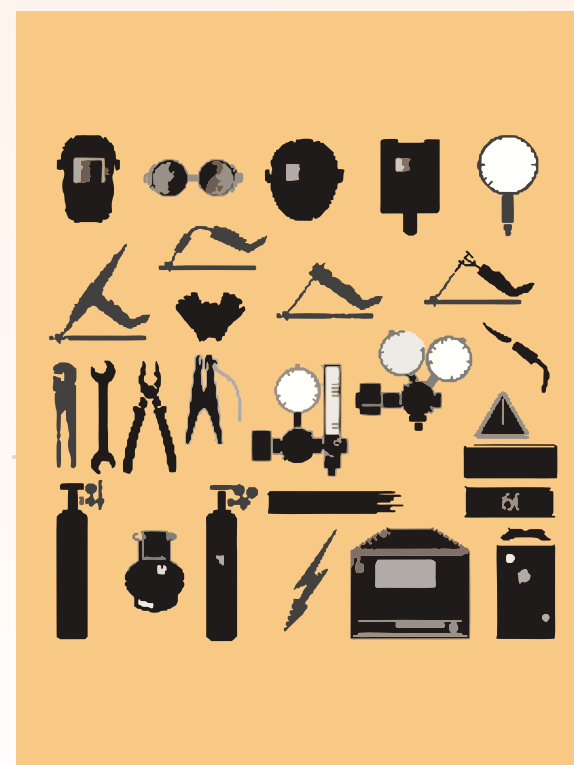




## EQUIPMENT LIST

### Metal Inert Gas/Metal Active Gas/Gas Metal Arc Welder (MIG/MAG/GMAW) (CSC/Q0209)

1	Plasma Cutter	x 1
2	Equipment For Non Destructive Tests	x 1
3	Welding Simulator	x 1
4	MIG /MAG (GMAT AC/DC )	x 5
5	Arc Welding Machines(Mmaw Ac/Dc )	x 3
6	Gas Cutting attachments	x 2
7	Pug Cutting Machine	x 1
8	Welding Booths 4 X 5 Including welding table , Job Holder and Positioner	x 8
9	Bench Vices	x 15
10	Gas Cylinders	x 2
11	Regulator	x 8
12	Grinders	x 6
13	Fume Extractors/Exhaust Fan	x 5
14	Oven	x 3
15	Chisel	x 20
16	Center Punch/Dot Punch	x 20
17	File set/Hacksaw Frame	x 20
18	Try Square	x 20
19	Wire Brush	x 20
20	Tongs	x 15
21	Steel Rule	x 10
22	Divider	x 10
23	Power Saw	x 2
24	Hand Gloves	x 30
25	Ear Plug	x 30
26	Mouth Mask	x 30
27	Grinding Helmet	x 15
28	Leather Apron	x 30
29	Goggles	x 30
30	Leather Leg Guard	x 30
31	Leather Hand Guard	x 30
32	Safety Shoes	x 30
33	Scriber	x 10
34	First Aid Kit	x 3
35	Scrap Box	x 2
36	Magger	x 1
37	Tester	x 2
38	Binding Tape	x 5
39	Power Backup	x 1
40	Arrestor	x 4
41	Tables for Mounting Vices 3Ft X 3Ft X 2.5Ft(H)	x 4
42	Raw Material Stand	x 2
43	Number Punch	x 5
44	Chipping Slag Hammer	x 30
45	Ball Peen hammer 24 oz. or 16 oz.	x 10
46	Tip Cleaners	x 4
47	Needle Nose Pliers or Mig Welding Tool	x 3
48	25' Measuring Tape	x 5
49	12" Combination Square	x 4
50	Packet flashlight	x 2
51	Welding Cap 100% cotton	x 30





## JOB ROLE OVERVIEW

### Metal Inert Gas/Metal Active Gas/Gas Metal Arc Welder (MIG/MAG/GMAW) (CSC/Q0209)

<b>Role Description</b>	Perform manual (semi automatic) operations for performing metal inert gas/metal active gas welding (MIG/MAG) also known as gas metal arc welding (GMAW) for welding joints in all positions as per welding procedure specification (WPS).
<b>NSQF level</b>	4
<b>Minimum Educational Qualifications</b>	10 th Standard pass, preferably
<b>Maximum Educational Qualifications</b>	Not Applicable
<b>Prerequisite License or Training</b>	Manual/Shielded Metal Arc Welding
<b>Minimum Job Entry Age</b>	18 Years
<b>Experience</b>	3 months Manual/Shielded Metal Arc Welding
<b>Performance Criteria</b>	As described in the relevant OS units

<b>Applicable National Occupational Standards (NOS)</b>	<b>Guidelines for Assessment</b>
<ol style="list-style-type: none"> <li><b>CSC/N0209:</b> Manually (semiautomatic) weld joints using the MIG/MAG (GMAW) process</li> <li><b>CSC/N0204:</b> Manually weld carbon and low alloy steels in 1G/1F, 2G/2F and 3G/3F welding positions using Manual Metal Arc Welding/ Shielded Metal Arc Welding</li> <li><b>CSC/N0203:</b> Manually cut metal and metal alloys using oxyfuel gas</li> <li><b>CSC/N0207:</b> Manually cut metal materials using plasma arc</li> <li><b>CSC/N1335:</b> Use basic health and safety practices at the workplace</li> <li><b>CSC/N1336:</b> Work effectively with others</li> </ol>	<ol style="list-style-type: none"> <li>Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.</li> <li>The assessment for the theory part will be based on knowledge bank of questions created by the SSC.</li> <li>Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.</li> <li>Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).</li> <li>Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.</li> <li>To pass the Qualification Pack, every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.</li> <li>In case of <i>unsuccessful completion</i>, the trainee may seek reassessment on the Qualification Pack.</li> </ol>



## CAREER MAP METAL INERT GAS/METAL ACTIVE GAS /GAS METAL ARC WELDER (MIG/MAG/GMAW)

