

GINOP – 6.1.3-17-2018-00033 Nyíregyházi Szakképzési Centrum – Idegen nyelvi készségek fejlesztése Nyíregyházán és vonzáskörzetében

**Angol C2 1 1 039 Angol nyelvi képzés KER A1 szinttől C2 szintig**

Képzés nyilvántartásba vételi száma: E-001291/2015/C002

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# Teaching material for welders

## Level B1

Készítette: Faggyasné Balogh Erzsébet



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## Reading comprehension

**Read the text below and do the following exercises.**

### 9 Different Types of Welding Processes

#### *Details*

When you start learning to weld, it's easy to be overwhelmed by the sheer amount of information available on the subject.

#### 1. TIG – Gas Tungsten Arc Welding (GTAW)

TIG welding also goes by the names of Heliarc and gas tungsten arc welding (GTAW). With this type of welding, the electrode is non-consumable and made of tungsten. It is one of the few types of welding that can be done with no filler metal, using only the two metals being welded together. You can add a filler metal if you desire, but you will have to feed it by hand. A gas tank is necessary with TIG welding to provide the constant flow of gas needed to protect the weld. This means it's generally better performed indoors and away from the elements.

TIG welding is a precise form of welding that creates visually appealing welds and doesn't require clean up, as there is no spatter. Due to these traits, it is a difficult type of welding that is best reserved for experienced welders.

#### 2. Flux-Cored Arc Welding (FCAW)

This type of welding is similar to MIG welding. In fact, MIG welders can often perform double duty as a FCAW welder as well. Just like in MIG welding, a wire that serves as the electrode and the filler metal is fed through your wand. This is where things begin to differ. For FCAW, the wire has a core of flux that creates a gas shield around the weld. This eliminates the need for an external gas supply.

FCAW is better suited for thicker, heavier metals, since it is a high-heat welding method. It's often used for heavy equipment repairs for this reason. It is an efficient process that doesn't

create much waste. Since there's no need for external gas, it's also low cost. There will be a bit of slag left over, though, and it will need a bit of clean up to make a beautifully finished weld.

(For more information click on the website.)

<sup>1</sup> <https://waterwelders.com/types-of-welding-processes/>

### Exercise 1

**Match the sentences according to the text.**

1	FCAW is better suited for thicker, heavier metals,	A	eliminates the need for an external gas supply.
2	Heliarc and gas tungsten arc welding is also called	B	provides the constant flow of gas needed to protect the weld.
3	In MIG welding	C	need a high-heat welding method.
4	A gas tank	D	TIG welding.
5	TIG welding	E	doesn't require clean up, because there is no spatter.
6	FCAW	F	because it is a high-heat welding method.
7	Thicker and heavier metals	G	doesn't create much waste.
8	FCAW	H	an electrode and the filler metal is fed through your wand.

1. .... 2. .... 3. .... 4. .... 5. .... 6. .... 7. .... 8. ....

## Exercise 2

Answer the following questions.

1. What kind of electrode does GTAW need?  
.....
2. What equipment do you need to provide the constant flow of gas?  
.....
3. Why can we say that TIG welding is a precise form of welding?  
.....
4. Why is a gas shield created around the weld?  
.....
5. What kinds of metals does FCAW method require?  
.....

## Applying for a job:

### Steps:

- search for job advertisements
- choose one or more ads and apply for it/them by
  - writing a CV / résumé
  - writing a cover letter / letter of motivation

### Study the following samples:

## Europass curriculum vitae, sample

### europass

### Curriculum vitae

#### PERSONAL INFORMATION

Thomas Rockwood

East way Road, 6, London, N18AL (United Kingdom)

#### JOB APPLIED FOR

Carpenter

#### WORK EXPERIENCE

01/11/2015-Present

craftsman

Mason & Mason, London, (United Kingdom)

01/10/2009-04/08/2015

craftsman

Huber's Co., Worcester (United Kingdom)

#### EDUCATION AND TRAININGS

01/09/2012-15/06/2015

Certificate in carpentry

Worcester College of Technology, Worcester (United Kingdom)

01/09/2009-15/06/2012

School leaving exam (GCSE in Britain)

Galilei Technical College, London (United Kingdom)

01/09/2004- 15/06/2009 [diploma in carpentry](#)

West London College, London (United Kingdom)

## PERSONAL SKILLS

Mother tongue(s) English

Other language(s)

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
French	B1	B1	B2	B2	B1

Levels: A1 and A2: Basic user – B1 and B2: Independent user –C1 and C2: Proficient user

## Common European Framework of Reference for Languages

Communication skills Good communication skills

Job-related skills Ability to work independently, flexibility, reliability, team work.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content Creation	Safety	Problem solving
Independent User	Independent user	Basic user	Basic user	Independent user

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## Welder Cover Letter Sample

Writing a great Welder cover letter is an important step in your job search journey. When writing a cover letter, be sure to reference the requirements listed in the job description. In your letter, reference your most relevant or exceptional qualifications to help employers see why you're a great fit for the role. The following Welder cover letter example will help you to write a cover letter that best highlights your experience and qualifications.

Ebony Moore

(123) 456-7891

emoore@email

May 1, 2018

Dear Hiring Manager,

It is a pleasure to be applying for the Welder position at River Tech. As a lifelong Welder, I am excited to be a candidate at the number one welding company in the tri-county area.

During my tenure at Crane & Jenkins, my responsibilities included using a variety of welders, shapers, cutters, and measuring tools, repairing and maintaining metal equipment, and interpreting diagrams. Communication skills and exact execution of safety procedures were major parts of my job, also. During my 10 years at Crane and Jenkins, I became an expert welder, and earned several accolades, including the 2015 Welding Safety Expert Award.

Welding is in my blood. My father was a welder his whole life. From a very young age, I took interest in what he was doing out in the garage. Though my mother protested, my father bought me a child-size welding mask. I was fascinated by the beauty of the flames, it felt magical to see two separate parts become one. Each day after school I would run to the garage to join my father on his projects. Welding made me feel powerful. After high school, I studied welding at Longford Tech, and became certified.

I look forward to learning more about River Tech and the Welder position. My education, experience, and love for welding makes me confident that I will exceed the expectations of this position and become a valuable team member at River Tech.

Sincerely,

Ebony Moore

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## **You have seen the following advertisement on the Internet:**

### **Welder**

London

£20 - £23 an hour - Temporary, Contract

Apply On Company Site

Here at Barker Ross recruitment we are looking for a welder to start as soon as possible on HS2. As you may know work on HS2 is ongoing with the potential of years of work. We are offering very negotiable rates dependant on experience. We are also offering travel and lodge money no matter if you live 5 or 50 miles away. For this particular role you will be working a guaranteed 50 hours' week but over time rates kick in after 40 hours.

### **What you will need:**

- Blue CPCS
- Experience on piling sites
- Safety Critical Medical

If you are interested, please contact Harry at 07425 669328 or email [harrytattersall@barkerross.co.uk](mailto:harrytattersall@barkerross.co.uk)

#weareBRG

Disclaimer: This vacancy is based in the United Kingdom. Barker Ross Recruitment only operates in the UK and can only process applications from candidates who are currently a resident and eligible to work in the UK.

Whilst we endeavour to contact you following your response due to the high volume of applications this cannot always be possible. If you have not had notification within 7 days unfortunately your application has not been successful.



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This vacancy is being advertised on behalf of Barker Ross Group who is acting as a recruitment agency.

All communication with us is subject to the conditions outlined in our privacy notice.

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### **Your task:**

**You want to apply for this job. Fill in the empty CV and write a cover letter. Use the blank form below.**



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[centrum@nyiregyhaziszc.hu](mailto:centrum@nyiregyhaziszc.hu) <http://nyiregyhaziszc.hu>



europass		Curriculum vitae			
PERSONAL INFORMATION .....					
.....					
JOB APPLIED FOR					
.....					
WORK EXPERIENCE					
.....					
EDUCATION AND TRAININGS					
.....					
PERSONAL SKILLS					
Mother tongue(s) .....					
Other language(s) .....					
	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
.....					
Levels: A1 and A2: Basic user – B1 and B2: Independent user –C1 and C2: Proficient user					
<u>Common European Framework of Reference for Languages</u>					
Communication skills .....					
Job-related skills .....					
Digital competence					
SELF-ASSESSMENT					
Information processing	Communication	Content Creation	Safety	Problem solving	

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## **Job Interview**

Watch the following short job interview.

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<https://www.youtube.com/watch?v=GmQLpNn1Mkk>

### **Job Interview: Questions and answers, sample**

1. Why do you want this job?

I feel that your company is (moving) in the right direction, and I would like to be a part of it.

I have achieved certificates in welding, so I would like to work as a welder.

2. Tell me about your previous work experience.

I have worked both independently and as part of a team.

3. How do people describe you?

I am friendly, tolerant and easy to work with.

4. What are your strengths?

I'm used to working in a busy environment.

I am a team player.

5. What are your weaknesses?

I do not have any weaknesses.

6. What do you know about our company?

From what I've read, your company is one of the best companies. That's something that sounds exciting to me and I'm hoping to find in my next job.

7. How did you hear about the position?

I found the position while looking for jobs online.

8. Why did you apply for this position?

I've heard great things about the work environment here from a few colleagues. And when I saw this job posting, it seemed to match my skills very closely.

9. What are your salary requirements?

Your job advertisement mentioned a figure of £20 - £23 an hour.

10. Do you have any questions for us?

Yes. When can I start?

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**Pair work:** Act out a similar dialogue.

1. Why do you want this job?

.....

2. Tell me about your previous work experience.

.....

3. How do people describe you?

.....

4. What are your strengths?

.....

5. What are your weaknesses?

.....

6. What do you know about our company?

.....

7. How did you hear about the position?

.....

8. Why did you apply for this position?

.....

9. What are your salary requirements?

.....

10. Do you have any questions for us?

.....

**Practice the vocabulary of workplace:** <sup>7,8</sup>

<sup>7</sup> <https://learningapps.org/display?v=pbd2j1pyc19>



<sup>8</sup> <https://learningapps.org/display?v=pexopok4t19>



## Small talk

At the beginning of a job interview, the interviewer may ask you how you got there, where you parked, how long you have had a driving licence, etc.

**Read out the following mini dialogue.**

**Interviewer:** Good morning. Welcome to our company. Can you tell me your name, please?

**Interviewee:** Good morning. My name is *Samuel White*.

**Interviewer:** How are you today?

**Interviewee:** I'm fine, thank you.

**Interviewer:** How did you get here?

**Interviewee:** I came by car.

**Interviewer:** Do you have a wife and a child?

**Interviewee:** No, I don't.

**Interviewer:** Who do you live with?

**Interviewee:** I live alone.

**Interviewer:** Are you able to work frequent overtime, including extended daily shifts and Saturdays or Sundays?

**Interviewee:** Yes, I am.

**Interviewer:** I see. Now, let's continue the interview.

**Now, work in pairs and act out a similar mini dialogue.**

**Interviewer:** Good morning. Welcome to our company. Can you tell me your name, please?

**Interviewee:** .....

**Interviewer:** How are you today?

**Interviewee:** .....

**Interviewer:** How did you get here?

**Interviewee:** .....

**Interviewer:** Do you have a wife and a child?

**Interviewee:** .....

**Interviewer:** Who do you live with?

**Interviewee:** .....

**Interviewer:** Are you able to work frequent overtime, including extended daily shifts and Saturdays or Sundays?

**Interviewee:** .....

**Interviewer:** I see. Now, let's continue the interview

## Work health and occupational safety protection

- ❖ Study the following work health and occupational safety protection pictures, icons and read the rules.





### Some safety icons:



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### Safe Operation Procedure

#### Pre-operation

- Keep area clean and free of oils, greases and anything flammable.
- Ensure others are not exposed to U.V. Flash. Close curtains and ensure all bystanders are wearing proper PPE.
- Ensure extraction system is on and working effectively.
- Do not make adjustments while welding.
- Ensure machines have been isolated from power sources before being cleaned, adjusted, maintained or repaired.

- Inspect all cables for signs of damage. Report damage immediately to a technician.
- Un-plug when not in use.

#### Operation:

- Ensure the machine is correctly set up for current, voltage, wire feed and shielding gas flow rate.
- Ensure that other workers in this locality are protected from any UV & IR radiation flash. Always close the UV curtain to the welding bay or erect a UV screen.
- Ensure the welding work cable (earth) makes firm contact to provide a good electrical contact.
- Ensure the work piece has been prepared to be free of any paint, oxides or other surface finishes ensuring a good electrical contact.
- Take particular care to avoid accidental UV welding flash to the skin or eyes.
- Never leave the MIG welder powered on unattended.
- Regularly inspect the welding tip and shield for damage.
- When welding is finished or interrupted, turn off the shielding gas at the regulator, turn off the machine and secure the hand piece safely.

#### Post-operation:

- Close main valve on shielding gas bottle.
- Ensure welder and fume extractor are turned off and extraction trunk valve is closed.
- Leave the work area and bench in safe, clean and tidy condition.
- Never leave hot work unattended.

**Exercise 3: What do the safety icons and picture below mean? Write on the lines.**



1. \_\_\_\_\_



2. \_\_\_\_\_



3. \_\_\_\_\_



4. \_\_\_\_\_



5. \_\_\_\_\_

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**Exercise 4: Group the following steps of Safe Operation Procedure.**

1. Ensure the machine is correctly set up for current, voltage, wire feed and shielding gas flow rate.
2. Ensure others are not exposed to U.V. Flash. Close curtains and ensure all bystanders are wearing proper PPE.
3. Never leave the MIG welder powered on unattended.
4. Close main valve on shielding gas bottle.
5. Take particular care to avoid accidental UV welding flash to the skin or eyes.
6. Keep area clean and free of oils, greases and anything flammable.
7. Inspect all cables for signs of damage. Report damage immediately to a technician.
8. Ensure welder and fume extractor are turned off and extraction trunk valve is closed.
9. Leave the work area and bench in safe, clean and tidy condition.

<b>Pre-operation</b>	<b>Operation</b>	<b>Post-operation</b>

## Vocabulary list:

1	advertisement	hirdetés
2	appealing	vonzó
3	applicant	pályázó, jelentkező
4	apply for a job	állásra pályázni
5	appropriate	megfelelő
6	arc welding	ívhegesztés
7	avoid particle or gas inhalation	kerülni a részecskék, vagy gázok belélegzését
8	blueprint	tervrajz
9	building code	építési szabályzat
10	capability	képesség
11	communication skills	kommunikációs készségek
12	constant	állandó
13	construction	építkezés
14	contract	szerződés
15	core	mag
16	cover letter / letter of motivation	motivációs levél
17	CV / résumé	önéletrajz
18	denim pants	farmer nadrág

19	desire	kíván
20	digital competence	digitális kompetenciák
21	double duty	kettős szolgálat
22	due to	következtében
23	duty	kötelesség
24	education / trainings	tanulmányok /képzettségek
25	efficient	hatékony
26	electrode	elektróda
27	eliminate	kihagy
28	employee	munkavállaló
29	employer	munkaadó
30	encl. / enclosed	mellékelve
31	excellent	kiváló
32	expert	szakértő
33	external	külső
34	fill seams	kitölteni a varratokat
35	filler metal	töltőfém
36	flammable	gyúlékony
37	flow	áramlás
38	flux-cored arc welding	fluxusos ívhegesztés

39	gas supply	gázellátás
40	gas tungsten	gáz volfrám
41	hazard	kockáztatni
42	healthy ventilation levels	egészséges szellőzési szint
43	heat-resistant gloves	hőálló kesztyű
44	high-heat	magas hőmérsékletű
45	job applied for	megpályázni kívánt állás
46	job responsibilities	munkaköri feladatok
47	job-related skills	álláshoz szükséges készségek
48	join	összeilleszt
49	leather apron	bőrkötény
50	low cost	alacsony költségű
51	manual dexterity	kézügyesség
52	method	módszer
53	MIG welding	MÍG hegesztés
54	monitor equipment	ellenőrizni a berendezéseket
55	mother tongue	anyanyelv
56	non-consumable	nem fogyasztható
57	occupational safety	munkavédelem
58	overwhelmed	túlterhelt

59	personal skills	személyes készségek
60	physical stamina	fizikai állóképesség
61	physical strength	fizikai erőnlét
62	precise	pontos
63	process	folyamat
64	protect	véd, védelem
65	protective masks	védőmaszk
66	provide	biztosít
67	purpose	cél
68	require	megkövetel
69	requirements	elvárások
70	safety shoes	munkavédelmi cipő
71	salary	fizetés
72	self-employed sub-contractor	önálló vállalkozó
73	sheer amount	szimpla összeg
74	shield	pajzs
75	sketch	vázlat
76	slag	salak
77	solder together	egybeforraszt
78	spatial skill	térbeli tájékozódó képesség



79	spatter	fröccsenés
80	strengths	erősségek
81	supervise	felügyelni
82	take apart	szétszed
83	thick	vastag
84	TIG welding	TIG hegesztés
85	traits	jellemzők
86	trim metal components	levágni a fém alkatrészeket
87	unattended	felügyelet nélkül
88	un-plug	kihúz
89	valve	szelep
90	variety	változat
91	visually	láthatóan
92	wand	pálca
93	waste	pocsékolás
94	weaknesses	gyengeségek
95	weld	hegeszteni
96	welding bandana (helps protect your head and neck from sparks that may come as a result of welding)	hegesztő „sapka”
97	welding helmet	hegesztősisak

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98	wire	huzal, vezeték
99	work environment	munkakörnyezet
100	work experience	munkatapasztalat

## Sources:

<sup>1</sup> <https://waterwelders.com/types-of-welding-processes/>

2021.08.10.

<sup>2</sup> Bognárné Tóth Réka – Oláh Ágnes: Angol nyelv-könyv és feladatgyűjtemény a szakképzés számára, Szega Books Kft. Pécs, 2017 105. oldal

<sup>3</sup> <https://www.indeed.com/career-advice/cover-letter-samples/welder>

2021. 08. 12

<sup>4</sup> <https://uk.indeed.com/Welder-jobs-in-London?vjk=e49343fa9e0c8415>

2021. 08. 12.

<sup>5</sup> <https://www.youtube.com/watch?v=GmQLpNn1Mkk>

2019. 08.12.

<sup>6</sup> <https://careersidekick.com/what-to-say-in-a-job-interview-questions-and-answers/>

2019.08.09.

<sup>7</sup> <https://learningapps.org/display?v=pbd2j1pyc19>



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<sup>8</sup> <https://learningapps.org/display?v=pexopok4t19>



<sup>9</sup> <https://www.kingsofwelding.com/guides/welding-safety/>

2021.08.10.

<sup>10</sup> <https://id.pinterest.com/kawatlas/welding-safety-sign/>

2021. 08.10.

<sup>11</sup> <https://www.eng.uwo.ca/files/departments-units/student-shop/2018/sop-welder-mig.pdf>

2021. 08.11.

<sup>12</sup> <https://pixabay.com/hu/photos/hegeszt%c5%91-hegeszt%c3%a9s-ipar-f%c3%a9m-munka-4028224/>

2021.08.16.