English for Construction



Vocational English Course Book







Evan Frendo Series editor David Bonamy







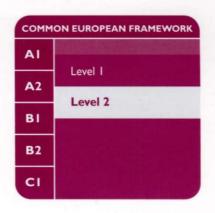
English for Construction is part of the **Pearson Longman Vocational English** series. It is designed for students in vocational education and for employees in training at work. Written by industry practitioners, it combines a strong grammar syllabus with the specialist vocabulary and skills that learners need to succeed in their chosen field.

Level 2 *English for Construction* is designed for students who have completed Level 1 or have an elementary knowledge of general English, who now require a pre-intermediate (CEF level A2–B1) course in this specific field. It includes:

- topics that reflect the latest developments in construction, making them immediately relevant to students' needs.
- clearly defined language and function objectives which are backed up by comprehensive on-the-page language boxes.
- essential online support for teachers, including teacher's notes, fully editable tests and multilingual glossaries.
- a student CD-ROM with interactive glossaries in both British and American English and full course book audio in MP3 format.

Other titles in the series include:

English for Banking & Finance English for Information Technology English for Nursing English for Oil & Gas





www.pearsonELT.com/vocationalenglish

Contents

	Function	Language	Vocabulary			
Roles and responsibilities p. 4	Talking about roles and responsibilities	Present simple and present continuous	Jobs Roles and responsibilities			
Structure of an organisation p. 6	Explaining how an organisation works	Jor m	Departments in an organisation Collocations with prepositions			
Jobs and experience p. 8	Describing your job and experience Writing your CV	Questions with <i>be</i> Questions with <i>do/does/did</i> Question words	Expressions for describing work experience			
Focus on a project: International Finance Centre (IFC) Seoul, Korea p. 10	Discussing roles in an international construction project	Conctr	New developments			
Review p. 11						
Technical drawing p. 12	Describing technical drawings	Dimensions (imperial and metric)	2D and 3D shapes Vocabulary relating to technical drawing			
Estimates p. 14	Estimating	Zero conditional	Collocations relating to estimating			
Ideas and improvements p. 16	Discussing ideas and improvements	Introducing and responding to ideas	Office features			
Focus on a project: Light tubes in Potsdamer Platz, Berlin p. 18	Discussing light tube technology		Light tubes			
Review p. 19						
Talking about equipment p. 20	Talking about equipment	Asking and answering questions about equipment	Equipment and its uses			
Faults p. 22	Explaining faults	Passive with be and get; get + adjective	Faults			
Repairs p .24	Dealing with repairs	need to (+ inf); need (+ -ing)	Repairs			
Focus on a project: The Shard, London p. 26	Discussing equipment for a skyscraper project		Tower construction			
Review p. 27						
Ordering materials p. 28	Ordering materials	The passive	Ordering materials			
Properties of materials p. 30	Describing properties of materials	Comparatives	Properties of materials			
Delivery problems p. 32	Explaining delivery problems	Asking for clarification	Delivery problems			
Focus on a project: Bahrain International Circuit Formula 1 (BIC) p. 34	Discussing problems and solutions involving materials		Materials used in the construction of the Bahrain International Circuit			
	Structure of an organisation p. 6 Jobs and experience p. 8 Focus on a project: International Finance Centre (IFC) Seoul, Korea p. 10 Review p. 11 Technical drawing p. 12 Estimates p. 14 Ideas and improvements p. 16 Socus on a project: Light tubes in Potsdamer Platz, Berlin p. 18 Review p. 19 Talking about equipment p. 20 Faults p. 22 Repairs p. 24 Focus on a project: The Shard, London p. 26 Review p. 27 Ordering materials p. 28 Properties of materials p. 30 Delivery problems p. 32	Poles and responsibilities p. 4Taiking about roles and responsibilitiesStructure of an organisation p. 6Explaining how an organisation worksJobs and experience p. 8Describing your job and experience Writing your CVFocus on a project: International Finance Centre (IFC) Seoul, Korea p. 10Discussing roles in an international construction projectReview p. 11Describing technical drawingsTechnical drawing p. 12Describing ideas and improvements p. 16Ideas and improvements p. 16Discussing ideas and improvementsPotsdamer Platz, Berlin p. 18Discussing ideas and improvementsFaults p. 22Explaining faultsFaults p. 22Dealing with repairsFocus on a project: The Shard, Condon p. 26Discussing equipment for a skycraper projectFaults p. 27Ordering materials p. 28Ordering materials p. 28Ordering materialsProperties of materials p. 30Describing properties of materialsPoiscus on a project: Bahrain (International Circuit Formula 1)Discussing problems and solutions involving materials	Roles and responsibilities p. 4Taiking about roles and responsibilitiesPresent simple and present continuousStructure of an organisation p. 6Explaining how an organisation worksOuestions with be Questions with doi/does/id/ Questions with doi/does/id/ Questions with doi/does/id/ Question with doi/does/id/			

	Function	Language	Vocabulary		
Setting out p. 36	Sequencing events	Sequencing	Processes		
Recruiting processes p. 38	Planning a process	Present continuous to talk about the future	Recruitment		
Purchasing processes p. 40	Explaining changes	used to	Purchasing		
Focus on a project: Emergency housing p. 42	Discussing emergency housing construction	the starts	Emergency housing construction		
Review p. 43	Specific 1				
Kicking off p. 44	Highlighting key issues	Pronunciation: sentence stress	Projects		
Project meetings p.46	Managing tasks	Present perfect + now, just, already	Project meetings		
Contracts p.48	Discussing types of contract	most	Collocations relating to contracts		
Focus on a project: Wroclaw– Katowice Motorway, Poland p. 50	Talking about the scope of a project	and the second second	Toll motorways		
Review p. 51					
Document control p. 52	Explaining document control procedures	have to	Documentation		
Amendments p. 54	Talking about amendments	Punctuation	Nouns and verbs relating to amending documents		
Specifying p. 56	Giving specific information about documents	Relative clauses	Collocations relating to documents		
Focus on a project: Golf course construction p. 58	Discussing project documentation		The design and build process		
Review p. 59					
Health and safety guidelines p. 60	Communicating health and safety guidelines	Reporting instructions and advice	Collocations relating to advice		
Traffic control p. 62	Giving instructions for traffic control	Giving instructions using need	Traffic control		
Incidents p. 64	Describing incidents	Past simple and past continuous	Injuries		
Focus on a project: Hurricane preparations, Florida, USA p. 66	Discussing hurricane preparations	internetionation and 2 Time master elect	Hurricane preparations		
Review p.67					

Audio script p. 70

talk about roles and responsibilities explain how an organisation works describe your job and experience write your CV discuss roles in an international construction project

Roles and responsibilities

Speaking 1 Look at this illustration. Say what the people's jobs are and what they do.



Vocabulary

2 Match these descriptions with the people in the illustration in 1.

- 1 I'm a driver. I work for a concrete supplier. We deliver concrete to construction sites all over the country.
- 2 I'm a master electrician. This is my apprentice.
- 3 I'm a painter. Today I'm painting a steel staircase.
- 4 I'm a security guard. I control access to the site. I'm responsible to the site manager.
- 5 I'm the site manager. My company is responsible for the whole project.
- 6 We're reporters. We're visiting the site to ask some questions.
- **3** Name as many items in the illustration in 1 as you can. Compare your list with a partner.

ladder, ...

Speaking

4 Work in pairs. Either a) Explain what your job is and what you do. Or b) Imagine you work on the construction site in 1. Explain what your job is and what you do.

I'm a ... I work for ... My company ... I'm responsible for ...

Listening 5

- **5 5 6 02** Two reporters are visiting Martin Karp from Karp Construction. Listen to their conversation. What do the reporters want?
 - 6 Listen again and complete these sentences.
 - 1 Karp Construction is the _____
 - 2 Martin Karp is the _____
 - 3 Sabina Tom is the _____
 - 4 Kasper Karp owns _____
 - 5 Mr Lang represents the _____
 - 6 Anna Black works for the _____
 - 7 Robert Lane is ____

Language

We use the present simple to talk about routines and things that are permanent or happen all the time.	I control access to the site. She works for the cement supplier.
We use the present continuous to talk about things that take place at the time of speaking and are not permanent.	We' re visiting the site. He' s walking through the gate.
We use adverbs of frequency (e.g. <i>always, usually, often, sometimes, never</i>) with the present simple to describe how often somebody does something or how often something happens.	We usually have about 100 people on site. Sometimes we work in a consortium.

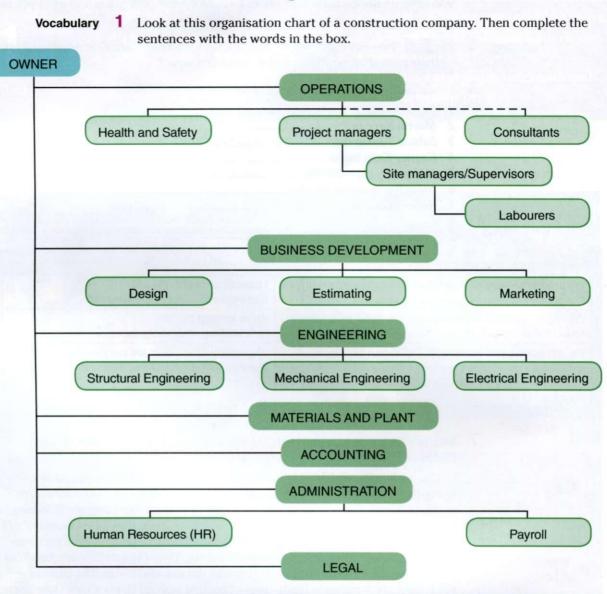
7 Martin's assistant is giving more information about people's roles on site. Choose the correct verb forms to complete this text.

'... So, as Martin said, we (1) *have / are having* around 100 people on site every day. Today, most people (2) *work / are working* on the basic structure of the building. The people in green jackets over there are concrete finishers from DKI Cement, the cement supplier. On this project, they (3) *supervise / are supervising* the unskilled labourers, who are all local people. Of course, there are always a lot of heavy equipment operators. They (4) *handle / are handling* the cranes, the cement mixers, the cement pumps, and so on. The drivers (5) *bring / are bringing* in fresh loads of cement several times a day. Over there, a couple of painters (6) *paint / are painting* the staircase, and the electricians (7) *repair / are repairing* one of the generators.'

Speaking

8 Work in small groups to discuss these questions.

- 1 What's the difference between a general contractor and a subcontractor?
- 2 What's a consortium?
- 3 What suppliers are typical on a construction site?
- 4 In audio script 2 on page 70, Martin Karp says, 'We co-ordinate all the subcontractors and make sure things stay on schedule and stay within budget.' What do the expressions in bold mean?



departments

divided

Structure of an organisation

1 Our company has a simple structure. At the ______ is Kasper Karp, the owner.

has

look

part

report

section

top

- 2 There are seven ______. The department heads report to the owner.
- 3 Operations consists of a Health and Safety ______ and all the project managers.
- 4 The site managers and supervisors ______ directly to a project manager.
- 5 Business Development is ______ into three sections: Design, Estimating and Marketing.

external

- 6 Engineering also ______ three sections: Structural, Mechanical and Electrical.
- 7 There are different departments which ______ after materials and plant, accounting, administration and legal.
- 8 Sometimes we have ______ consultants to help with special jobs. They are not ______ of the company.

Listening

1

2 Listen to the heads of the seven departments talking about their roles. Write the names of their departments. Use the organisation chart in 1 to help you.

		and freid the there are		
		and here is and		
		The second second		
		-		
1.1	1			
3	Listen again. Write the	expressions used to ta	lk about roles and responsibilities	
	1 make sure,			
	2			
	3		Contract Institute (1991 Block	
	4	- ,	, work out,	
	5	_, send out		
	6		, work with	
	7	<u></u>		
4	Match the sets of collog	cations		
		-		
		-		
	-			
		and an and a second sec		
	and the second	,		
		0/		
	o divide	ii) with		
5			and the second	
	Sometimes more than o	one answer is possible		
	1 The Administration	department consists .	and a second second second second	
	2 The head of accounting reports			
	3 Engineering is divid	ed		
	4 The project manage	ers liaise	Questions with be begin with the con	
	5 Business Development is responsible			
	6 The site managers r	nake		
6			a construction company (real or	
6	Work in pairs. Draw an imaginary). Explain you			
0	imaginary). Explain yo			
0		ur chart to another pa		
	ing to	1 make sure,	2	

Jobs and experience

Listening

1



Listen to three conversations. Match the job in each conversation with a word from the box.

civil engineer concrete finisher land surveyor

2 Read the questions. For each conversation, answer yes (Y), no (N), or doesn't say (X). Then listen again and check your answers.

3

	Conversation 1	Conversation 2	Conversation 3
1 Is he a manual worker?			0
2 Does he work mostly indoors?	the trust	5	
3 Was he good at maths at school?			
4 Does he work with CAD programs?		1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
5 Does he use high-tech equipment on site?	Annal pair	Match triestant a ro	A Postuderov
6 Did he start as an apprentice?	10 (6	1 make	
7 Is he self-employed?			

Speaking

3 Work in pairs. Read the questions in the table again. Take turns to ask and answer them so that they are true for you.

- A: Are you a manual worker?
- B: No, I'm not. I'm a project manager.
- A: Do you work mostly indoors?
- B: Yes, I do. I work in an office. I'm responsible for a hospital car park project.

Language

Questions with be begin with the correct form of the verb be, or use a rising tone.	Are you self-employed? You're self-employed? Is he on site today? He's on site today?
Questions with do/does/did	Do you work indoors? Does he work indoors? Did you go to university?
Question words (what, where, who, how)	What do you do? Where are they from? Who is the client? How does it work?

Speaking

4

Work in pairs. Think of a job but don't tell your partner. Take turns to ask and answer questions to find out the jobs.

Is the job indoors or outdoors? Do you work alone or with other people? What qualifications do you need? What training did you do?

Reading

5 Read this CV and answer the questions about Arnold Keller.

- How old is he? 1
- 2 Which school did he go to?
- 3 Where did he do his apprenticeship?
- What is his highest qualification? 4
- 5 Does he know anything about project management?

europass

Europass **Curriculum Vitae**

Personal information

First name(s) / Surname(s) Address(es) Telephone(s) Arnold Keller Mozartstrasse 23, Blendorf Home: 01756 78634 Mobile: 077434 675332

Fax(es) E-mail arnold@keller.de

Nationality German

Date of birth 21.03.84

> Gender Male

Work experience

Dates 2003

Apprentice

On-the-job-training

DM Construction

Construction

Occupation or position held Main activities and responsibilities

Name and address of employer Type of business or sector

Education and training

Dates June 2003

Title of qualification awarded Principal subjects/occupational skills covered Name and type of organisation providing education and training

> Personal skills and competences

> > Mother tongue(s)

Other language(s) English, French

School Leaving Certificate Maths, Physics, English

Blendorf Grammar School, Blendorf, Germany

German

2004-2007

Student trainee Project assistant - Motorway lay-by 2004, Bridge renovation 2005, Motorway tunnel 2006 **DM** Construction Construction

June 2007

Bachelor's degree in Construction Engineering Health and Safety, Site management, Project management, Cost estimating Vocational College, Blendorf, Germany

Writing

6 Write your own CV. Use the Europass CV structure to help you plan and organise your details. Then swap CVs with a partner. Check that your partner's CV is clear and easy to understand.

Teamwork