

CONTENTS

UNIT 1

Why you do not fall through the floor	7
Reading / Topic: Why structures carry loads	8
Notes on grammar: The Simple Present and Simple Past Tenses ...	10
Focus on practice	11

UNIT 2

Stress on stress, strain and strength	13
Reading / Topic: Stress and strain	14
Notes on grammar: Type 1 conditionals.....	16
Focus on practice	17

UNIT 3

Beams are everywhere	20
Reading / Topic: Beams.....	21
Notes on structures: Describing properties. Cause and effect.....	24
Focus on practice	24

UNIT 4

Columns are compressed, whereas wires are stretched ...	26
Reading / Topic: Tension and compression structures	27
Notes on grammar: The Passive Voice.....	28
Focus on practice	29

UNIT 5

The age of reinforced concrete	32
Reading / Topic: Reinforced concrete	33
Notes on grammar: Formation of adjectives	34
Focus on practice	35

UNIT 6

Joints, fastenings and people	37
Reading / Topic: Joints in steel structures	38
Notes on grammar: Modal auxiliary verbs	40
Focus on practice	40

UNIT 7

The part of the building you do not see	43
Reading / Topic: Foundations	44
Notes on grammar: Identifying and non-identifying relative clauses ..	47
Focus on practice	47

UNIT 8

Walls do not always have ears	50
Reading / Topic: Walls	51
Notes on grammar: Time clauses	54
Focus on practice	55

UNIT 9

Higher and higher into the sky	58
Reading / Topic: Skyscrapers	59
Notes on grammar: Comparative and superlative adjectives	61
Focus on practice	62

UNIT 10

Bridges over rough waters	64
Reading / Topic: Bridges	65
Notes on structures	67
Focus on practice	68

UNIT 11

There is no smoke without a chimney	71
Reading / Topic: Steel chimneys.....	72
Notes on structures: Impersonal statements.....	73
Focus on practice	74

UNIT 12

Nature is at risk	77
Reading / Topic: Air pollution (environmental problems).....	78
Focus on practice	80

KEY TO EXERCISES	83
-------------------------------	----

THE ENGLISH – POLISH DICTIONARY	89
--	----

THE POLISH – ENGLISH DICTIONARY	111
--	-----

