

TABLE OF CONTENTS

UNIT 1 DREAM OF FLIGHT	7
First contacts... Who is who... Kitty Hawk December 17, 1903 Transoceanic flight A poem...	Dates Types of sentences Word order
UNIT 2 AT THE AIRPORT	13
About airports A letter to the travel agency Check-in	
UNIT 3 COMPANIES	17
Number one aerospace company in Europe My workbench	Present simple Present progressive
UNIT 4 JOINING	25
General, Screw, bolt, nut Riveted joints Welding and adhering	Past simple Past progressive The <i>there</i> -construction Phrasal verbs
UNIT 5 FLYING	33
The atmosphere Lighter-than-air flight Balloon flight today Heavier-than-air flight Wonder of flight...	Measures
UNIT 6 THE AEROPLANE	41
Basic components Fuselage Wings Empennage Flight controls and surfaces Landing gear Power plant	Imperatives All, every, each... Present perfect simple
UNIT 7 PRINCIPLES OF FLIGHT	53
Forces acting on an aeroplane Stability Climbing and descending Lift Drag	Weights and forces Present perfect progressive Prepositions

UNIT 8 SUPERSONIC FLIGHT

67

The speed of sound
Mach number
Shock waves
Critical Mach number
Wave drag
Swept wings

Relative clauses
Non-defining relative clauses
Adjectives and adverbs
Use of adverbs

UNIT 9 POWER PLANT

71

Principle of aeroplane propulsion
Reciprocating engine
Engine cycle
Propeller
Propeller pitch, propeller slip

Revision of tenses
Full verbs and auxiliary verbs
Future tense
Short forms (contractions)
Next, clear, close...
Differentiate...

UNIT 10 JET ENGINE

83

Basic components and working cycle
Compressor
Combustion section
Turbine
Exhaust system
GP 7000

Future progressive
Avoid mistakes...(Recognise or realise?)
Differentiate...
Future perfect
Non-finite constructions
Participle
During or while?

UNIT 11 HYDRAULIC POWER

93

Basics, hydraulics
Hydraulic system

Participle after verbs of
perception and observation
Avoid mistakes...(Notice and realise...)

UNIT 12 ELECTRIC POWER

97

Basics
Direct current (DC)
Electric generator – alternating current (AC)
Electrical system of Cessna Citation VII

Participle constructions as
adverbials

UNIT 13 AIR-CONDITIONING

103

History
Aeromedical factors
Pressurised aeroplanes
Pressurising system of Airbus A 310

For (as a preposition)
From...
Avoid mistakes...(Check or control?)