

Blueprint of the Book

Units	Theme	Reading Strategy	Vocabulary Fuel	Grammar Engine
1	Electricity Reading 1: Electric Current Reading 2: Electric Shock: What to Do against It?	Previewing	Naming Phenomena	‘On the Other Hand’ & ‘However’
2	Robots Reading 1: Robots Reading 2: Robots and Artificial Intelligence	Scanning	Prefixes 1	Relative Clauses
3	Nanotechnology Reading 1: Nanotechnology Reading 2: Nanotechnology and Its Dangers	Skimming	Compound Words Word Families	Correlative Conjunctions
4	Magnetism Reading 1: Magnetism Reading 2: What Is Induction?	Speed Reading	Parts of Speech	Conditionals
5	Information Technology Reading 1: An Introduction to Wireless Technology Reading 2: The Internet and Fiber Optics	Understanding Purpose & Text Organization	Collocations	Subject-verb Agreement
6	Electric Vehicles Reading 1: Electric Vehicles Reading 2: Advantages and Disadvantages of EVs	Reading without Knowing Every Word	Using Translation	To + Infinitive Structures
7	Radars Reading 1: Radars Reading 2: Radar and Weather Forecasting	Outlining as You Read	Abbreviations	Passive Voice 1
8	Industrial and Systems Engineering Reading 1: Industrial and Systems Engineers Reading 2: The Interdisciplinary Industrial and Systems Engineering	Marginal Notes	Prefixes 2	Comparative & Superlative Adjectives
9	Concrete Reading 1: Concrete Reading 2: Significance of Various Concrete Strengths	Summarizing	Synonyms & Antonyms	Transitional Expressions
10	Nuclear Power Plants Reading 1: Nuclear Power Plants Reading 2: ?	Inferencing	Suffixes	‘(Al)though’ & ‘But’
11	Bridging Reading 1: Bridge Types and Economic Spans Reading 2: Location of Bridges	Highlighting, Underlining, Numbering, & Circling	Geometric Shapes & Angles	Passive Voice 2 So that
12	Gear Drives Reading 1: Gear Drives Reading 2: Gear Drive Troubleshooting	SQ3R System	Filling in the Blanks	Reduced Relative Clauses

Introduction

English for the Students of Engineering is designed as an English for Academic Purposes (EAP) textbook for undergraduate university students of engineering ranging from pre-intermediate to upper-intermediate level of English proficiency. The book aims to help students consolidate general reading skills and strategies they have already acquired through general English courses and transfer these skills and strategies to their target academic tasks. Hence, a wide range of engineering text types/genres have been included in the book to provide students with ample opportunities to learn and practice discipline-based reading skills. With the main focus on reading, the other language skills and components (i.e., vocabulary, grammar, discourse, and genre) are used as a springboard for fostering the reading skills and strategies.

The book consists of 12 units based on engineering themes and topics of maximum authenticity and relevance to the students of engineering. The centerpiece of each unit is two reading passages developing the same theme and all activities of each unit are geared to that theme. To that end, there is an efficient integration

of relevant content and language with a good distribution of common genres in the field of engineering.

The units are divided into various sections as introduced below:

Title Page: It is designed to give readers a general overview of the theme and content of the unit.

Start-up: They aim to engage students mentally to think about the topic of reading and relate it to their lives. A preliminary focus on important vocabulary items is also intended.

Reading Passages: Texts from a variety of authentic and credible sources are accompanied by glosses and technical notes.

Gauge Your Grasp: These parts assess the readers' comprehension of the texts through a broad range of comprehension questions and tasks.

Reading Strategy: A reading strategy that is helpful in academic contexts is introduced in each unit. It matches with the nature of the relevant reading passage.

Vocabulary Fuel: Different aspects of word knowledge are taken into account through both explicit instruction and task-based activities.

Grammar Engine: Grammar is mostly treated through a discovery approach. The grammar point in each unit is taken from the related reading passage.

Translation: This section is designed as a reading practice as well as a translation activity. It also offers focused activity on vocabulary, grammar, and some features of genres presented in the unit.

Tune-up Time: To give the learners a sense of achievement, each unit ends up with a self-assessment part in which the main objectives of the unit are worded explicitly using performative verbs.