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## SCHEMATIC CHART

Units	Theme	Reading Strategy	Vocabulary Foundation	Grammar Grouting
1	<b>Professional Civil Engineering</b> Reading 1: Civil Engineering as a Profession Reading 2: The Ancient Persian Engineers	Skimming	Words with Multiple Meanings; Word Family	-ed/-ing Adjectives
2	<b>Civil Engineering Tools and Equipment</b> Reading 1: What Equipment Is Used in Industrial Construction Reading 2: Construction Equipment for Different Purposes	Classifying Items	Vocabulary Tree: -er/-or/-ar/-cry/-ment Suffixes	Shortened “wh-clauses”
3	<b>Low Cost Building</b> Reading 1: Low Cost Housing Construction Reading 2: Post Earthquake Reconstruction with Low Cost Materials	Identifying Main Ideas and Supporting Details	Multiword Verbs; Collocations; Technical Vocabulary	Reason Clauses/Result Clauses
4	<b>Smart Materials</b> Reading 1: Intelligent Building Facades Reading 2: Transformation Mechanism of Smart Materials	Making Predictions	Substitute Words; Technical Vocabulary	Punctuation Related Ambiguity
5	<b>Green Building and Sustainability</b> Reading 1: Why Make Your Building Green Reading 2: Green Roofs	Finding Clues in Context	Prefixes with Opposite Meanings; Word Family; Multiple Meanings	Modals to Express Degrees of Certainty
6	<b>Tall Buildings</b> Reading 1: Tall Buildings Reading 2: The Leadenhall Building	Scanning	Compounding; Word Family; Technical Vocabulary	Passive Verbs
7	<b>Pavements</b> Reading 1: Permeable Pavement Fact Sheet Reading 2: Pavement Applications	Reorganization	Grouping Words; Secondary Sense of Words	The Modal Verb ‘Can’
8	<b>Waste Management</b> Reading 1: Waste Management Plans for Construction & Demolition Projects Reading 2: Construction Waste Management	Identifying Definitions	Collocation; Negative Prefixes	The Modal ‘Should’; Imperatives
9	<b>Hazards and Risks in Construction</b> Reading 1: Hazards and Risks Reading 2: What is Risk Management?	Making Inferences	Synonyms; Collocations	References; Ellipses
10	<b>Construction Damage</b> Reading 1: Causes of Cracks in Concrete Structures Reading 2: No Leakage	Identifying Cause and Effect	Antonyms; Collocations	Viewpoint Adverbs
11	<b>Nanotechnology in Civil Engineering</b> Reading 1: Nanotechnology in Civil Engineering Reading 2: Nanotechnology and Concrete	Identifying the Writer’s Purpose	Recognizing Borrowed Words; Collocations; Word Family	Verb Tenses
12	<b>Software Packages in Construction Industry</b> Reading 1: Building Information Modeling Reading 2: Creating a Project with Revit BIM	Identifying Compare and Contrast	Abbreviation; Word Family	Contrast Connectors

## Introduction

*English for the Students of Civil Engineering* is designed as an English for Academic Purposes (EAP) textbook for undergraduate university students of civil engineering, ranging from pre-intermediate to upper-intermediate levels 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 civil 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 civil engineering themes and topics of maximum authenticity and relevance to the students of civil engineering. The centerpiece of each unit is two reading passages developing the same theme with all activities of each unit geared towards that theme. To this end, there is an efficient integration of relevant content and language with a good distribution of common genres in the field of civil 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.

**Site Plan:** They aim to engage students mentally to think about the topic of the 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.

**Manage What You Read:** 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 Foundation:** Different aspects of word knowledge are taken into account through both explicit instruction and task-based activities.

**Grammar Grouting:** 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.

**Self-Check:** To give the learners a sense of achievement, each unit ends up with a self-check part in which the main objectives of the unit are worded explicitly.