

# Library Reading Guidance for English Books

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DaLian Minzu University Library

## Concepts in Engineering



In a track and field race, those who are well prepared place well, and those who are poorly prepared place poorly. The purpose of Concepts in Engineering is to ensure that you are well prepared, so that you will place well in the “race” you are about to begin. Concepts in Engineering introduces you to fundamental engineering concepts that are relevant to all engineering disciplines. The specific

goals of the text follow:

- ◆ Excite you about engineering.
- ◆ Cultivate your problem-solving skills.
- ◆ Cultivate professionalism.
- ◆ Introduce the design process.
- ◆ Emphasize the importance of communication skills.

*Written by Mark T. Holtzapple, W. Dan Reece*

*Call Number: TB1/H758A*

## A Laboratory Guide to the Natural World

We humans are animal-linked to all other life on this plane, governed by the same natural laws as everything else. A biology laboratory course gives you a better understanding of yourself and reveals your relationship to all other living organisms. And as we face increasing disease outbreak, energy crises, and environment mismanagement an understanding of biology has never been more important.

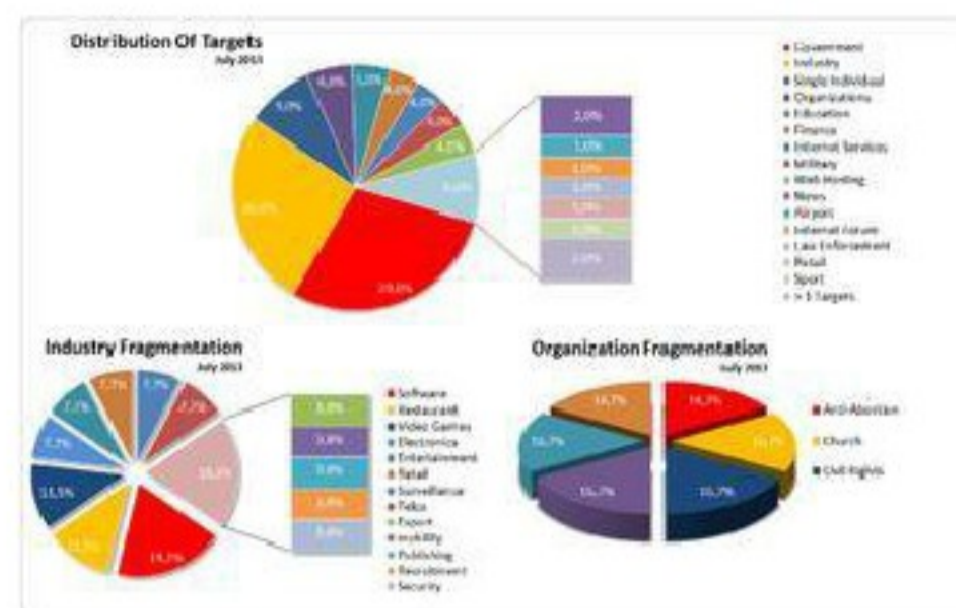
The exercises in this guide are built upon the solid foundation of a traditional approach, while infusing of an inquiry-based component that allows you to explore the natural world within the confine of tried-and-true learning experience. These exercises encompass many levels of biological organization, with a touch of aesthetic and philosophical aspects of natural history. We hope you will walk away around you, a world of wonder and beauty. It is our sincere desire that your study of biology will be both pleasant and education in the truest sense.

*Written by Dennis J. Richardson and Kristen E. Richardson*

*Call Number: N44/R521*

## Statistics in Action : Understanding A World of Data

Statistical work is more active than it was generation ago. Computers and graphing calculators have automated the graphical exploration of data, and in the process have made the practice of statistics a more visual enterprise. Statistical techniques are also changing as simulations allow statisticians (and you) to shift the emphasis from following recipes for calculations to paying more attention to statistical concepts.



This book is designed for an introductory statistics course - either an introductory college course or its high school equivalent, Advanced Placement Statistics - and includes all of the standard topics for that course. Beginning in Chapter 1 with a court case about age discrimination, you will be immersed in real problems that can be solved only with statistical methods. You will learn to

- ◆ explore, summarize, and display data
- ◆ design surveys and experiments
- ◆ use probability to understand random behavior
- ◆ make inferences about populations by looking at samples from those populations
- ◆ make inferences about the effect of treatment from designed experiments

*Written by Ann E. Watkins, Richard L. Scheaffer, George W. Cobb*

*Call Number: O212/W334*

## Exploring Language



In spite of the many revisions to the eleventh edition, the original character and objective of *Exploring Language* remain the same: to bring together exciting and readable pieces that explore the various ways language and American society are interconnected. Once again, the aim is to lead students to a keener understanding of how language works: how it reconstructs the real world for us and how it can be used to lead, mislead, and manipulate us. Organized around eight major language areas, these selections demonstrate the subtle complexities and richness of English. They also invite students to debate current social and cultural issues that are inseparable from language. And they serve as models for composition, representing a diversity of expository techniques - narration, illustration, definition, process analysis, argumentation, persuasion, comparison, and contest - and a diversity of genres - editorial essays, personal narratives, opinion columns, position papers, letters, memoirs, autobiographical musings, personal diaries, academic articles, humorous stories, interviews, and poetry.

*Written by Gary Goshgarian*

*Call Number: H315/E96=11*

## Technical Writing

Technical Writing helps people in any specialty respond to the demands of workplace communication by analyzing a writing situation in all its interpersonal, ethical, legal, and cultural dimensions. Lannon applies rhetorical principles to an array of assignments, from brief memos and summaries to formal reports and proposals. Technical Writing, sixth edition, is a comprehensive and flexible introduction to technical and professional communication, Designed for classes in which students from a variety of majors are enrolled, the book addresses and applied to an array of assignments, from brief memos and summaries to formal reports and proposals. To help students develop awareness of audience and accountability, exercises embody the writing demands that are typical throughout college and on the job.

*Written by John M. Lannon*

*Call Number: H315/L292=6*

## Industrial Water Pollution Control

It has been 30 years since this book was first published and 10 years since the second one edition. During that period not only have regulations undergone a vast change, but conventional technologies have been further refined and new technologies have been developed to meet increasingly more stringent water quality criteria. Effluent limitation on specific priority pollutants and toxicity to aquatic organisms have rendered many of the older conventional treatment facilities obsolete. The challenge today is to meet these new requirements in a way that is both environmentally acceptable and cost-effective.

In order to address these new challenges, the present volume reviews the existing theory and application of solution of today's pollution control.

Of necessity, this book does not develop the detailed principles or the theory of processes applicable to specific areas of water pollution control. Rather it stresses the application of these theories to specific industrial problems.



Publications and texts are referenced in the bibliography for the reader who wished a more detailed development of the theory.

This book is intended as a text for student in courses related to industrial water pollution control and as a guide for the engineer in industry, governmental agencies, and consulting engineering firms involved in developing state-of-the-art solutions to industrial water pollution control problems.

*Written by W. Wesley Eckenfelder, Jr*

*Call Number: X703/E19=3*

## Exploring the Living World

In the study of life science we look for questions about living things and try to find the answers. Life science is for everyone. You can receive the benefits from the discoveries made by life scientists. Life science even enters into what you do for a hobby or to have fun.

We have seen that a life may be saved by retransplanting a healthy kidney in place of a diseased one. We have seen our farms producing more and more food for a growing and hungry world. But will we find a cure for cancer or diabetes? Can we clean our polluted waters so that seafood may be eaten safely? Can growing more trees for fuel help us solve the energy crisis?

You have probably enjoyed a Sunday in the park as you watched birds. Or perhaps you have hiked through the woods and noticed the spring flowers or the tall trees reaching for the sky. Our lives are made richer by the beauty of the living things that surround us.

In this unit you will learn:

- some of the “signs of life”
- how your senses help you study life
- where people study living things
- how living things are related to their environment.

And just as important, you will learn:

- how you can study living things at home
- how you can develop new hobbies in life science

*Written by Joseph M. Oxenhorn*

*Call Number: Q1/O98*

## Oral Language Resource Book

The First Steps Oral Language: Resource Book complements the *Oral Language: Developmental Continuum* and aims to provide teachers with additional ideas for teaching students about oral language. Many of the ideas suggested can be modified for use with children at different developmental phrases.

The *Oral Language: Resource Book* contains detailed descriptions of strategies in the same three main indicator areas as the *Oral Language: Developmental Continuum*, that is Language and Literacy, Language of Social Interaction, and Language and Thinking. Each area has three distinct strategy sections. The Language and Literacy area has strategies for Newstelling, Narrative and Description activities. The Language of Social Interaction area contains strategies for Activity-based Sharing, Discussion and Social Conventions. The Language and Thinking area has strategies for Partner Work, Inquiry and Classification.

Each strategy is introduced in stages and there are many teaching points included. There are also ideas for assessment of children’s progress in each area.

The *Oral Language: Resource Book* gives teachers many suggestions for including oral language in all areas of the curriculum.

*Written by Leanne Allen*

*Call Number: G623.9/A425*