Library Reading Guidance

For English Books
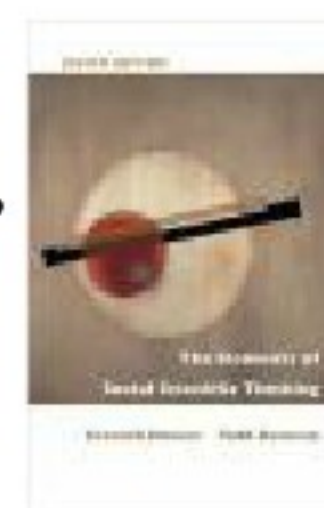
The Elements of Social Scientific Thinking

This book is, rather, an initiation into social science intended for those who use the results of social science research and for those taking their first steps as researchers. Where do concepts come from? Why bother with scientific thinking? How is a hypothesis different from other statements about reality? These and other fundamental questions are dealt with in this book.

The author's intent has been to help readers see through some false images of social science and to say enough to make the first steps in research possible for them, while leaving to more detailed and specialized sources the elaboration of the technicalities of research operations. Throughout, the emphasis is on reality testing as a process by which we can know what to make of the world. This presentation of science is not a narrow one – we encourage the reader to be scientific in daily thought as well as in the specific application of social scientific methods.

Written by Hoover, Kenneth R
Call Number: C03/H776=8

Life-Span Development

This edition of *Life-Span Development* presents the latest, most contemporary research on each period of the human life span and includes more than 2,100 citations from the twenty-first century. *Research in Life-Span Development* interludes are new to this edition. Appearing once in each chapter, they provide a more in-depth look at research related to a topic in the chapter. The author called them interludes rather than boxes because they follow directly in the text after they have been introduced. In most instances they consist of a description of a research study, including the identity of the participants, the methods used to obtain data, and the main results. In most cases they are research studies that have been conducted in the twenty-first century. Because students often have more difficulty reading about research studies than other text material, the author wrote these with an eye toward student understanding.

Santrock's hallmark Learning Goals pedagogy provides a comprehensive roadmap to the text material, clearly pointing out the core concepts fundamental to students' learning and performance. An adaptive diagnostic tool increases students' efficiency in studying by identifying what they know and don't know and providing in-the-moment guides to learning what they do not.

Written by Santrock, John W
Call Number: B844/S231=4

Foundations in Singing : A Guidebook to Vocal Technique and Song Interpretation

Foundations in singing serves the needs of voice students whether they receive private lessons or group instruction, in high school or university, or as adult beginners. Voice study with these time-tested techniques will help all students, whether their goal is to be soloists,chorus singers, or participants in community singing.

Foundations in singing offers a systematic approach to vocal technique that has been validated by years of experience. The flexible structure of the book allows the teacher to choose topics in any order that will maximize instruction time and help the student learn essential vocabulary and concepts. Some teachers deal comfortably with the subject matter in one semester, while others prefer to extend the study to a full year.

Easy, safe vocal exercises assure that basics of vocal technique are covered. They have simple harmonizations that make them enjoyable musical experiences from the beginning. The teacher can personalize instruction by adding other exercises, and the book's positive language affirms and reinforces the teacher's indispensable role.

Written by Paton, John Glenn
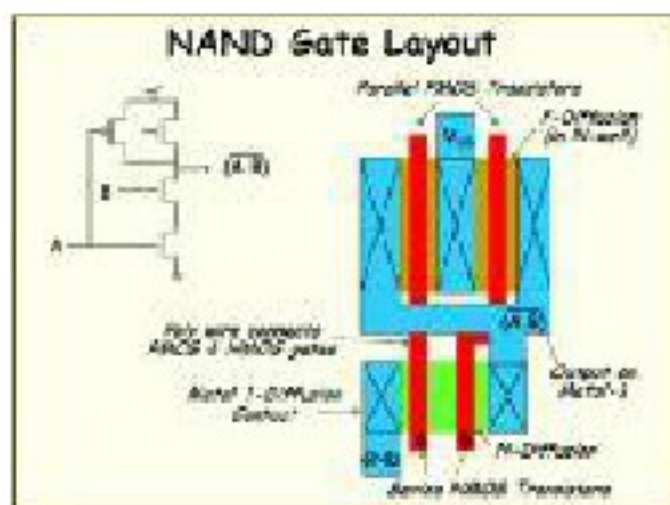*Call Number: J616.2/P312=8*

Sources of the West

Sources of the West is a collection of documents designed to supplement textbooks and lectures in the teaching of Western Civilization. The use of primary materials is an essential component of the study of history. By hearing the voices of the past, students come to realize both the similarities and differences between their society and previous ones. In witnessing others ponder the same questions that rouse their own curiosity, students feel a connection between the past and the present. Moreover, by observing the ways in which such questions and experiences are worked out and described, they come to an understanding and respect for the integrity of other cultures. By confronting the materials of the past, students exercise an imagination that is at the heart of the teaching and learning of history. Historical thinking involves examining the ideas of others, understanding past experiences on other's terms, and recognizing other points of view. This process makes everyone, student and instructor alike, a historian.

Unlike works that contain snippets of hundreds of documents, *Sources of the West* presents a sizable amount of a small number of sources. It therefore allows students to gain a deeper feeling for authors and texts and to concentrate their energies and resources. No selection is so long that it can not be easily read at a sitting and none so short as to defy recall. Each selection raises a significant issue around which classroom discussion can take place or to which lectures can refer. Some may even stimulate students to seek out the complete original works.

Written by Mark A. Kishlansky
Call Number: K500.3/S719C=6/2

Analysis and Design of Digital Systems with VHDL

NAND Gate Layout

Analysis and Design of Digital Systems with VHDL integrates industry-standard hardware description language (VHDL) technology into the undergraduate digital logic course. Author Allen Dewey observes that the widespread use of VHDL in specifying digital system designs is driving change and innovation in industry, and defining a new skill set that engineering students must master to design, model, communicate, and implement digital systems. VHDL provides a formal mechanism for describing digital systems in a format easily processed by computers, succinctly capturing the basic concepts of digital systems engineering and harnessing the power of design automation technology. This book first presents combinational and sequential systems and their design, along with logic families and integrated circuits. It then interlocks these subjects with discussions of structural and data flow modeling, synchronous behavior, and algorithmic modeling of digital systems in VHDL. This dual-track organization of conceptual and VHDL-related material makes the book easily adaptable to one- or two-semester courses and a variety of teaching approaches.

Written by Allen M. Dewey
Call Number: TN79/D519

The Mind Tool: Computers and Their Impact on Society

The fifth edition of *The Mind Tool* has been updated to reflect recent developments in the rapidly changing computer industry. Topics that first appear or that receive much greater coverage in this edition include fourth generation languages, programming environments, computer-aided software engineering, desktop publishing, graphics scanners, Structured Query Language (SQL), integrated services digital networks (ISDN), hypertext, colorization, ATM networks, smart cards, program trading, expert systems, and computer viruses. Several chapters have been completely rewritten to improve coverage and presentation. Important terms are listed in a vocabulary-review section at the end of every chapter, and exercises are provided where appropriate.

Part 1, Overview, is just that. Chapter 1 surveys the basic concepts of the computer field. Chapter 2 provides a brief history of computing and introduces additional concepts. Part 2, Computer Systems, is devoted to hardware and software. Part 3, Popular Microcomputer Applications, covers the five most popular microcomputer applications: word processing and desktop publishing, electronic spreadsheets, database management, and telecommunications. Part 4, Putting Computers to Work, surveys the use of computers in many areas of human endeavor: health care, education, the arts, industry, business and finance, and artificial intelligence. Part 5, Computer and Society, covers the impact of computers on society. Topics covered include computer crime and security and the effect of computers on employment.

Written by Neill Graham
Call Number: TP3/G738=5

Core Concepts in Health

The Brief Eighth Edition of *Core Concepts* focuses on the health issues and concerns of greatest importance to students. The general content of this edition remains essentially the same as the Brief Seventh Edition, with coverage of stress, psychological health, intimate relationships, sexuality, substance use and abuse, nutrition, exercise, weight management, cardiovascular disease, cancer, infectious diseases, aging, and environmental health. New to the Brief Eighth Edition is Chapter 15, "Personal Safety: Protecting Yourself from Unintentional Injuries and Violence." Injuries – both unintentional and intentional – are leading causes of death and disability for Americans. The goals of Chapter 15 are to make students more aware of why injuries happen and to give them concrete strategies for keeping themselves safe.

For the eighth edition, all chapters were carefully reviewed, revised, and updated. The latest information from scientific and health-related research is incorporated in the text, and newly emerging topics and issues are discussed. Of course, the health field is dynamic, with new discoveries, advances, trends, and theories reported every week. Ongoing research – on the role of diet in cancer prevention, for example, or on new treatment for HIV infection – continually changes our understanding of the human body and how it works in health and disease. For this reason, no health book can claim to have the final word on every topic. Yet within these limits, *Core Concepts* does present the latest available information and scientific thinking on innumerable topics.

Written by Paul M. Insel,etc
Call Number: R1/C797=8

Range Management : Principles and Practices

This is a good book and it is sorely needed. Its chapters are arranged in a traditional and useful way, each capturing the fundamentals and perspectives of the key subjects in the field of range management. It has always seemed rather sad for us in range management to feel so strongly about the importance of the field, yet to have so few textbooks that bring the concepts of rangeland management into clear focus and establish importance fundamentals for the profession. This text does that quite well, and makes an important addition to the few books available in range management.

The central theme of this book is managerial. It is a text book intended primarily for midlevel university students studying to become managers of rangelands or students who wish to broaden their overall education in natural resource use and management. A textbook cannot satisfy all needs, but this one is ideal for students and readers seeking a sound overview of range management principles and practices. The book covers more topics than do the texts presently available. The range science literature has been properly applied to support the management concepts and principles presented. Overall, it is well written, clear, and distinct, and the level of difficulty will challenge most readers.

Written by Jerry L. Holechek, Rex D. Pieper, Carlton H. Herbel
Call Number: S812/H729=4