

拓宽视野，掌握技能，培养分析、综合和评价的思维能力

软件行业 综合英语教程

高级英语阅读

张冬瑜 杜宛宜 主编

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软件行业综合英语教程 ——高级英语阅读

张冬瑜 杜宛宜 主 编
李映夏 周纯岳 马瑞新 郝 玲 副主编

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内 容 简 介

本书旨在提高英语语言能力的同时,通过阅读优秀的文章来拓宽视野,掌握技能,培养分析、综合和评价的思维能力。全书分为三章,每章均有5个单元,每个单元设定了三个学习目标并提供了三篇阅读文章,学习目标包括知识学习重点、语言学习重点和阅读、写作、翻译技巧;三篇文章分别为思考性阅读、应用型阅读及拓展阅读,每篇文章和技能介绍都配有相应的练习题。每个单元的最后还附有和学习、工作、技术相关的小技巧。本书的15个单元有阶段、有层次地覆盖了学习、工作、文化、科学和技术各个方面,题材丰富、内容精练。

本书不仅适合软件专业高年级本科生或研究生,也适合其他理工科专业同等学历的学生使用,同时对有高级英语学习需求的在职人员的自学也有极大的帮助。

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前 言

科技的发展把世界的各个角落越来越紧密地联系在了一起, 社会生活的方方面面都受到了来自不同文化的影响。21 世纪的精英人才不仅仅要有扎实的专业知识、过硬的工作技能, 还要具备优良的外语能力和文化理解能力。这一点对于软件行业的人才尤为重要。

信息产业是 21 世纪全球最重要的产业之一, 充满了机遇和挑战。当今, 我国的软件产业还处于人才匮乏的阶段。软件产品要想走出国门, 与国际接轨, 就需要既懂专业又懂管理, 既能做基础工作又能做应用性工作的复合型人才。软件行业既具有全球化特点, 又受到文化、地域、语言的影响, 所以优秀的软件人才必须理解语言和文化对一个国家、一种产业和整个社会的影响。

本书不仅是一本语言学习的书, 更要求读者通过学习语言和阅读优秀的文章来拓宽视野, 掌握技能, 培养分析、综合和评价的思维能力, 从而学会如何把自己打造成一位更具有全球竞争力的优秀人才。

本书分为三章: Academic Success、Career Advancement 和 Science & Technology。其中 Academic Success (学术成功) 强调学习能力的培养, 学会如何成为一个优秀的学习者, 不仅有益于在校的学习过程, 更推动学习者自主地培养终身学习的能力; Career Advancement (职场进步) 讲述在工作过程中那些不可或缺的能力培养, 这些能力帮助读者更快、更好地适应职场环境; Science & Technology (科学与技术) 提供了科学研究和技术发展的前瞻, 可以帮助读者学会探究未知领域、开阔学习者的思维, 也为其未来选择工作研究的领域给予启示。

本书每章均有 5 个单元, 每个单元设定了三个学习目标并提供了三篇阅读文章, 学习目标包括知识学习重点、语言学习重点和阅读 (第 1 章)、写作 (第 2 章)、翻译 (第 3 章) 技巧; 三篇文章分别为思考性阅读、应用型阅读及拓展阅读, 每篇文章和技能介绍都配有相应的练习题。每个单元的最后还附有和学习、工作、技术相关的小技巧。本书的 15 个单元有阶段、有层次地覆盖了学习、工作、文化、科学和技术各个方面, 题材丰富、内容精练。

本书不仅仅适用于学习者自主阅读, 而且更适合在阅读后进行小组总结、分析、讨论及应用。每单元的拓展阅读部分精选了经典的文学作品和最新的科技文章, 读者应该自主做好阅读笔记, 并跟学习小组互换阅读心得。这项活动给予学习者极大的自由使用、发挥英语技能和自由思考的空间, 真正做到反思性阅读。

本书可作为高级英语阅读、职场英语、商务英语、自学等的教材, 可以帮助读者培养高级阅读能力、职场应用英语写作能力、翻译技巧、学习策略和学习技巧、行业沟通能力, 掌握前沿科技信息。本书不仅适合软件专业高年级本科生或研究生, 也适合其他理工科专业同等学历的学生使用, 同时对有高级英语学习需求的在职人员的自学也有极大的帮助。

本书由多年工作在软件专业教学一线的优秀教授、副教授和讲师精心编制，编者依据自己十余年的教学经验总结了学习者的学习能力和学习需求，结合 21 世纪优秀行业人才培养目标，采用了由目标-技能-内容-形式的分析方法，写成此书。

由于时间仓促和编者能力有限，本书难免有不足或者疏漏之处，欢迎广大读者和专业人士批评指正，以便再版时修订。

编 者

2016 年 9 月于大连理工大学

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Chapter One

"You are not here merely to make a living. You are here in order to enable the world to live more amply, with greater vision, with a finer spirit of hope and achievement. You are here to enrich the world, and you impoverish yourself if you forget the errand."

—Woodrow Wilson

Academic Success

Introduction

There are 5 units in this Chapter. In each unit, you will learn some skills to help you become a better learner. These skills are not only essential in academic field, but also motivational and inspiring in seeking a meaningful life.

- Unit 1 Great Lectures**
- Unit 2 Learning, a Lifelong Skill**
- Unit 3 Doing Research**
- Unit 4 Liberal Education**
- Unit 5 Be a Good Writer**

Unit 1

Great Lectures



Unit Goals

- **Academic Focus**

Delivering successful public speech

- **Language Focus**

Features of speeches

- **Reading Skill**

Rhetoric in English

In this unit, you will read about some of the most famous lectures through out histories. Try to find the language features of these great pieces. Think about why and how they are inspiring. Learn some techniques of making public speeches. These techniques can help you express your ideas and be a better communicator. You will be a more confident person.

Think before you start...



■ Look at the cartoon above, and answer the questions:

Q1: Can you use a few words to describe the speaker in the picture?

Q2: Do you have a similar experience?

☐ Yes ☐ No

Please describe your experience to your partner.

Q3: Brain storm some important techniques that can lead to successful public speech.

Part One: Read & Think

On January 20, 1961, President John F. Kennedy was sworn into office and delivered one of the most famous inaugural addresses in U.S. history.



Check Yourself

- ✧ Have you ever heard of the speech?
- ✧ What is the main purpose of the speech?
- ✧ Who are the targeted listeners?
- ✧ Which of the following rhetorical devices are used in the speech: metaphor, alliteration, antithesis, and parallelism?

Kennedy Inaugural Address

Vice President Johnson, Mr. Speaker, Mr. Chief Justice, President Eisenhower, Vice President Nixon, President Truman, Reverend Clergy, fellow citizens:

1 We observe today not a victory of party but a celebration of freedom—symbolizing an end as well as a beginning—signifying renewal as well as change. For I have sworn before you and Almighty God the same solemn **oath** our **forebears** prescribed nearly a century and three-quarters ago.

2 The world is very different now. For man holds in his mortal hands the power to abolish all forms of human poverty and all forms of human life. And yet the same revolutionary beliefs for which our forebears fought are still at issue around the globe—the belief that the



rights of man come not from the generosity of the state but from the hand of God.

3 We dare not forget today that we are the **heirs** of that first revolution. Let the word go forth from this time and place, to friend and foe alike, that the torch has been passed to a new generation of Americans—born in this century, tempered by war, disciplined by a hard and bitter peace, proud of our ancient heritage—and unwilling to witness or permit the slow undoing of those human rights to which this nation has always been committed, and to which we are committed today at home and around the world.

4 Let every nation know, whether it wishes us well or ill, that we shall pay any price, bear any burden, meet any hardship, support any friend, oppose any foe to assure the survival and the success of liberty.

5 This much we pledge—and more.

6 To those old **allies** whose cultural and spiritual origins we share, we pledge the loyalty of faithful friends. United there is little we cannot do in a host of cooperative **ventures**. Divided there is little we can do—for we dare not meet a powerful challenge at odds and split **asunder**.

7 To those new states whom we welcome to the ranks of the free, we pledge our word that one form of colonial control shall not have passed away merely to be replaced by a far more iron **tyranny**. We shall not always expect to find them supporting our view. But we shall always hope to find them strongly supporting their own freedom—and to remember that, in the past, those who foolishly sought power by riding the back of the tiger ended up inside.

8 To those people in the huts and villages of half the globe struggling to break the bonds of mass misery, we pledge our best efforts to help them help themselves, for whatever period is required—not because the communists may be doing it, not because we seek their votes, but because it is right. If a free society cannot help the many who are poor, it cannot save the few who are rich.

9 To our sister republics south of our border, we offer a special pledge—to convert our good words into good deeds—in a new alliance for progress—to assist free men and free governments in casting off the chains of poverty. But this peaceful revolution of hope cannot become the prey of hostile powers. Let all our neighbors know that we shall join with them to oppose aggression or **subversion** anywhere in the Americas. And let every other power know that this **Hemisphere** intends to remain the master of its own house.

10 To that world assembly of **sovereign** states, the United Nations, our last best hope in an age where the instruments of war have far outpaced the instruments of peace, we renew our pledge of support—to prevent it from becoming merely a forum for **invective**—to strengthen its shield of the new and the weak—and to enlarge the area in which its **writ** may run.

11 Finally, to those nations who would make themselves our **adversary**, we offer not a pledge but a request: that both sides begin anew the quest for peace, before the dark powers of destruction unleashed by science **engulf** all humanity in planned or accidental self-destruction.

12 We dare not tempt them with weakness. For only when our arms are sufficient beyond doubt can we be certain beyond doubt that they will never be employed.

13 But neither can two great and powerful groups of nations take comfort from our present course—both sides overburdened by the cost of modern weapons, both rightly alarmed by the steady spread of the deadly atom, yet both racing to alter that uncertain balance of terror that stays the hand of mankind's final war.

14 So let us begin anew—remembering on both sides that civility is not a sign of weakness, and sincerity is always subject to proof. Let us never negotiate out of fear. But let us never fear to negotiate.

15 Let both sides explore what problems unite us instead of **belaboring** those problems which divide us.

16 Let both sides, for the first time, formulate serious and precise proposals for the inspection and control of arms—and bring the absolute power to destroy other nations under the absolute control of all nations.

17 Let both sides seek to **invoke** the wonders of science instead of its terrors. Together let us explore the stars, conquer the deserts, **eradicate** disease, tap the ocean depths and encourage the arts and commerce.

18 Let both sides unite to **heed** in all corners of the earth the command of **Isaiah**—to "undo the heavy burdens . . . (and) let the oppressed go free."

19 And if a **beachhead** of cooperation may push back the jungle of suspicion, let both sides join in creating a new endeavor, not a new balance of power, but a new world of law, where the strong are just and the weak secure and the peace preserved.

20 All this will not be finished in the first one hundred days. Nor will it be finished in the first one thousand days, nor in the life of this Administration, nor even perhaps in our lifetime on this planet. But let us begin.

21 In your hands, my fellow citizens, more than mine, will rest the final success or failure of our course. Since this country was founded, each generation of Americans has been summoned to give testimony to its national loyalty. The graves of young Americans who answered the call to service surround the globe.

22 Now the trumpet summons us again—not as a call to bear arms, though arms we need—not as a call to battle, though embattled we are— but a call to bear the burden of a long twilight struggle, year in and year out, "rejoicing in hope, patient in tribulation"—a struggle against the common enemies of man: tyranny, poverty, disease and war itself.

23 Can we forge against these enemies a grand and global alliance, North and South, East and West, that can assure a more fruitful life for all mankind? Will you join in that historic effort?

24 In the long history of the world, only a few generations have been granted the role of defending freedom in its hour of maximum danger. I do not **shrink** from this responsibility—I welcome it. I do not believe that any of us would exchange places with any other people or any other generation. The energy, the faith, the devotion which we bring to this **endeavor** will



light our country and all who serve it—and the glow from that fire can truly light the world.

25 And so, my fellow Americans: ask not what your country can do for you—ask what you can do for your country.

26 My fellow citizens of the world: ask not what America will do for you, but what together we can do for the freedom of man.

27 Finally, whether you are citizens of America or citizens of the world, ask of us here the same high standards of strength and sacrifice which we ask of you. With a good conscience our only sure reward, with history the final judge of our deeds, let us go forth to lead the land we love, asking His blessing and His help, but knowing that here on earth God's work must truly be our own.

(1369 words)

Vocabulary List

inaugural	<i>a.</i>	happening as part of an official ceremony or celebration when someone (such as a newly elected official) begins an important job	就职的, 就任的
oath	<i>n.</i>	a formal and serious promise to tell the truth or to do something	誓言, 誓词
forebear	<i>n.</i>	a relation who lived in the past; an ancestor	祖先, 前辈
heir	<i>n.</i>	a person who will legally receive money, property or a title from another person, especially an older member of the same family, when that other person dies	继承人
ally	<i>n.</i>	a country that has agreed officially to give help and support to another one, especially during a war	(尤指战时的) 同盟国, 盟友
venture	<i>n.</i>	a new activity, usually in business, which involves risk or uncertainty	(有风险的) 企业; 投机活动; 商业冒险
asunder	<i>adv.</i>	into forcefully separated pieces; apart	破成碎块, 散成碎片; 分开, 离散
tyranny	<i>n.</i>	government by a ruler or small group of people who have unlimited power over the people in their country or state and use it unfairly and cruelly	暴政, 专制统治
subversion	<i>n.</i>	when someone tries to destroy or damage an established system or government	(对制度或政府的) 颠覆, 倾覆
hemisphere	<i>n.</i>	half of a sphere, especially the Earth.	(尤指地球) 半球
sovereign	<i>n.</i>	a king or queen, or the person with the highest power in a country	君主, 元首, 最高统治者
invective	<i>n.</i>	criticism that is very forceful, unkind and often rude	辱骂, 痛骂
writ	<i>n.</i>	a legal document from a court of law which tells someone that they will be involved in a legal process and explains to them what they must do	(法庭的) 传票, 令状
adversary	<i>n.</i>	an enemy	对手, 敌手
engulf	<i>v.</i>	to surround and cover something or someone completely	包围; 吞没; 淹没
belabor	<i>v.</i>	to explain something more than necessary	过多地说明
invoke	<i>v.</i>	to make someone have a particular feeling or remember something	唤起, 引起, 使记起