

普通高等教育"十一五"国家级规划教材高职高专英语专业立体化系列教材

寒

调

综合教程

Integrated Course



(高职高专英语专业适用)

高职高专英语专业系列教材编写组 编



普通高等教育"十一五"国家级规划教材高职高专英语专业立体化系列教材

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内容提要

《英语》系列教材为普通高等教育"十一五"国家级规划教材,供高职高专英语专业使用。《综合教程》是这套系列教材的主干教材之一,分为基础阶段和专业阶段,其中基础阶段共有3册,专业阶段1册。

本书为第三册,适用于高职高专各英语专业(包括应用英语专业、商务英语专业、旅游英语专业和英语教育专业等)第三学期教学使用。本书共8个单元,每单元分为两部分(课文A部分和课文B部分)。课文®A部分包括课文、阅读理解练习、口语实践、词汇和结构、翻译、写作及听写练习。课文B部分包括课文、阅读理解、阅读技能、词汇练习及综合技能练习。每单元还配有趣味阅读,供学生欣赏。

本教材配有教师用书及磁带。

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前言

近些年来,我国高职高专教育的改革和发展取得了长足的进步,无论是学校数量,还是在校学生人数都占到高校总数和学生人数的一半以上。高职高专英语专业学校的数量和学生人数也增长很快。为了满足新形势对高职高专英语专业教育和人才培养的要求,我们编写了"高职高专英语专业立体化系列教材"《英语》,该套教材被列为普通高等教育"十一五"国家级规划教材

本套教材力图体现我国高职高专英语专业教学实践的特点,遵循高职高专教育"实用为主、够用为度"的总体指导方针,充分反映中国学生学习英语的规律和要求,并体现我国英语教学研究的新成果、新思想和新理念。教材的设计充分考虑高职高专英语专业的课程设置、课时、教学要求与高职高专英语专业人材培养的要求与目标,力图处理好打好英语语言基础与培养英语语言应用能力的关系,强调英语语言基本技能的训练与培养实际使用英语从事涉外交际活动的语言应用能力并重。

《英语综合教程》为这套立体化系列教材的主干教材之一,包括基础阶段3册和专业阶段1册。

本书为《英语综合教程》第三册,属基础阶段教材,供二年级第一学期使用。本书共有8个单元,每单元由两部分组成,即课文A部分和课文B部分。课文A前有Before Reading,为开展教学做铺垫。课文A部分包含阅读理解练习、口语实践、词汇和结构、翻译、写作和听写练习。课文B部分包含阅读理解、阅读技能、词汇练习和综合技能练习。其中有些练习供学生课外完成,教师可视情况在课堂上检查或加以必要的讲解。每单元后的Time for Fun部分选配了一些短小精悍的幽默、名言或诗歌,培养学生学习、体味与欣赏英语和英美文化的能力。我们相信这样的安排会给教学提供一定的灵活性,便于组织教学。

本教材配有教师用书, 并配有磁带。

《英语综合教程》总主编为上海交通大学陈永捷教授和周国强教授。

《英语综合教程3》由上海交通大学陈永捷和章黉担任主编,副主编为彭新竹,宁顺青。

《英语综合教程3》的编者为:陈永捷、王懿、章黉、王越西、张新、齐建晓、吴辉、纪昌娥、张伟、许西林和梁华蓉。

对外经济贸易大学黄震华教授和中央广播电视大学刘黛琳教授审阅了本书,编者在此表示衷心感谢。

本教材对内容安排和练习形式都作了不少新的尝试,编者真诚地希望使用本教材的学生和 教师能对教材的不足之处提出意见,以便我们今后加以完善。

Contents

Unit 1	Scientists' Social Responsibility 1 Text A Social Responsibility of Scientists 2 Text B Science and Truth 17 Time for Fun 28
Unit 2	A Lifetime Gift
Unit 3	Gateways to Other Worlds 55 Text A What's Right About Reading 56 Text B Critical Reading — Critical Thinking 70 Time for Fun 79
Unit 4	Job Hunting 81 Text A New Rules for Landing a Job 82 Text B The Art of Job Hunting 96 Time for Fun 105
Unit 5	A Road to Your Future 107 Text A The Brewer's Son 108 Text B Crazy Ideas 127 Time for Fun 137

Unit 6	The Root of Happiness 133
	Text A The Root of Happiness:
	An Empirical Analysis · · · · 134
	Text B The Cab Ride · · · · 148
	Time for Fun 157
Unit 7	The Power of Knowledge 159
	Text A Is Knowledge Power? 160
	Text B The Power of Knowledge 174
	Time for Fun 183
Unit 8	College 185
	Text A College: Time for Passionate Pursuits 186
	Text B Responsibility and Education 201
	Time for Fun211
Vocabulary ···	213
Phrases	236

Unit J

Scientists' Social Responsibility

❖ Before Reading



Pair work Complete the following task before you read the text.

What is your view about the social responsibilities of scientists in today's modern world? Try to give your answers by:

- in the questionnaire by yourself.
- comparing your answers with your classmates'.

with the second process of the second state of the second state of the second s	Yes.	No.	Why?
1. Scientists should always tell truth.			
2. Scientists should work for the benefits of human beings.	And the second s		
3. Scientists should be held responsible for the unpleasant effects of their work.	20.000 00000000000000000000000000000000		
4. Scientists should promote the distribution of scientific benefits for all human beings.	200320000000000000000000000000000000000		
5. A scientist should present a true picture to the public about new developments in his own field.			



TEXT A

First Reading

Read the text as fast as possible and then do Exercise 1.

Social Responsibility of Scientists

What is the difference between university scientists and those who work in industry? There has been much **debate** for a number of years about how far scientists should **be responsible** to society **for** the results of their work. This question **applies** particularly **to** university scientists as they are the ones who are free to choose their field of research. The greater number of scientists today work for government **sponsored** bodies, or in industry; in their case, the responsibility **lies** mainly **with** the **authorities** that employ them; they are not entirely free agents, **short of resigning** from their post.

In 1979 legal charges were brought against the University of California claiming that **agricultural** research which it promoted had led to increased **automation** and **consequently** farm workers losing their jobs. The University's **defence** was that the results of research have been of benefit to the community **as a whole** through increased productivity and

lower food prices, and that **in any case** the social **consequences** of its research were the responsibility of the whole community rather than of the University.

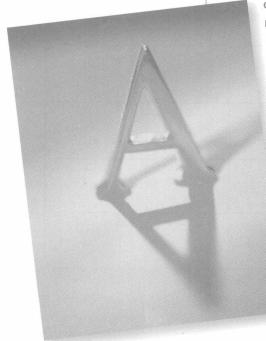
10

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In 1970 the British Society for Social Responsibility in Science held an international conference in London on "The Social Impact of Modern Biology." Twenty famous scientists, including three Nobel prize-winners and six Fellows of the Royal Society, presented papers which were subsequently published along with the discussions in a book. It was generally accepted that within the next few decades developments in the biological sciences will radically change civilization as we know it today. Discoveries used wisely can be of immense benefit to mankind, but many can also be used in ways that either intentionally or unintentionally have disastrous effects on man and on the other inhabitants of this planet. Most scientists feel involved and have well-developed consciences in these matters, but the problems are extremely complex. In the first place scientists — especially



What dilemma is he in?

those doing pure research — often do not know what sort of discovery they are likely to make, or, having made it, they cannot **foresee** the **eventual** impact on society. Very **occasionally** a scientist may find himself in a **cruel dilemma**.

The conference indicated that most scientists do have a feeling of responsibility toward society, but how far they are able to influence the application of their work is another matter. What they can do is to keep the public informed and especially to advise politicians and other influential persons. When a new technical development becomes available it should be examined by a commission on which all sections of the community are represented, including of course scientists competent in the particular field. The universities have a role to play here in that they can provide unbiased experts. The scientists should make the technological assessment of foreseeable benefits and harmful effects, and these should be clearly stated for all to see, but the decisions and responsibilities should be shared by all sections of the community. One of the problems is to arrive at a general agreement about social values and goals. Public debate through the media is essential in helping shape values and make choices, but everyday experience of politics in democratic countries shows how difficult this often is.

One of the clearest statements I have read about the social responsibilities of scientists is an article by Nobel prize-winner Sir Ernst Chain. First he makes the point, with which I agree, that the general run of scientists outside their own specialty are no wiser than non-scientists, nor are they free from prejudice and emotional attitudes. Indeed even within their own field they are sometimes intolerant of the views of colleagues with whom they disagree. Their advice should be sought and respected on technical, factual matters within their competence, but outside that most scientists should be regarded in the same light as other citizens of comparable standing. Chain concludes that scientists cannot be held responsible for the unpleasant effects of their inventions; responsibility lies with the society that adopts the technological application. It is up to society to take — and pay for — measures against the unwanted sideeffects such as pollution or invasion of privacy. Like others, Chain says that one thing scientists can and should do is to counteract the tendency of the news media to exaggerate and sensationalize new developments.

A point on which all scientists agree as an **ideal** when discussing these matters is that a scientist should be responsible for presenting a true picture to the public about new developments in his own field, and for indicating possible **implications so far as** he can see them. But of course scientists working in the defence services are rarely free to do this, nor are most of those in industry. A final word: whatever **critics** may

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say or wish, today science is an extremely important part of our culture, and modern civilization is in fact based on technology; there is no going back, and science and technology will influence our lives and the world we live in to an increasing extent. Therefore man will have to adjust to this situation as he has to other changes. Scientists must take a positive part, individually and collectively, in helping people understand the spirit of the brave new world.

75

80



debate /dr'bert/ n.

sponsor /'sponsə/ v.

authority /ɔː'θɒrɪtɪ/ n.

resign /ri'zaın/ v.

agricultural / ægrī kaltsərəl/a. automation /ɔ:təˈmeɪʃən/ n.

consequently /'konsikwəntli/ ad. defence, -se /dr fens/ n.

consequence /'kpnsikwəns/ n.

subsequently /'sabsikwentli/ ad. biological / barə lodzıkəl/ a. radically /'rædikəli/ ad. immense /1 mens/ a. intentionally /m'ten sonoli/ ad. unintentionally / \nın ten \foneli/ ad. not deliberately

discussion of a particular subject that often continues for a long time and in which people express different opinions

to support a person, organization or activity by giving money, encouragement or other help

a person or company that pays for a show, broadcast, sports event, etc. esp. in exchange for the right to advertise at that event, or supports someone by paying for their training, education, living costs, etc.

(often pl.) a person or organization having power or control in a particular, esp. political or administrative, sphere, that are in charge of a particular country or area 当局, 当权者(或机构)

to officially announce that you have decided to leave your job or an organization

of agriculture 农业的

the act or practice of using machines that need little or no human control

as a result

1. something that you say or do in order to support someone or something that is being criticized 2. the act of protecting something or someone from attack

an often bad or inconvenient result of a particular action or situation

after an event in the past

connected with the natural processes of living things 生物的

completely or noticeably 根本地,彻底地

extremely large in size or degree in an intentional manner; deliberately

disastrous /dr'za:strəs/ a. inhabitant /m'hæbitənt/ n. conscience / kpn sns/ n. complex /'kompleks/ a.

foresee /fo: si:/ v. eventual /1'ventsuəl/ a. occasionally /ə'kerzənəli/ ad. cruel /'kru:əl/ a.

dilemma /dr'lemə/ n.

politician / politisən/n.

influential / mfluenfol/ a. commission /kəˈmɪʃən/ n.

competent /'kompitant/ a. unbiased / nn barest/ a.

assessment /əˈsesmənt/ n. foreseeable /fo: si:abl/ a. democratic / demə krætik/ a.

prejudice /'predzudis/ n. intolerant /in tolerant/ a.

factual / fæktʃuəl/ a. competence / kpmpitans/ n. conclude /kən'klu:d/ v. adopt /ə'dopt/ v. side-effect /said i'fekt/ n. invasion /in'vergen/ n.

privacy / praivəsi/ n.

counteract / kauntə rækt/ v. tendency /'tendensi/ n.

extremely bad or unsuccessful a person or animal that lives in a particular place an inner sense of right and wrong 良心, 道德 difficult to understand or find an answer to because of having many different parts

(foresaw /'fo:so/, foreseen /fo:'si:n/) to see in advance (of an event) happening at last as a result now and then

1. making someone suffer or feel unhappy 2. deliberately hurting people or animals

a situation in which it is very difficult to decide what to do, because all the choices seem equally good or equally bad someone who works in politics, esp. an elected member of the government

having great influence

a group of people who have been given the official job of finding out about something or controlling something 委员会

having the ability or skill to do what is needed

able to judge fairly because you are not influenced by your own opinions 公正的,不偏袒一方的

a judgement or opinion 评价, 估计 predictable 可预见的, 可预测的

1. of, relating to, or supporting democracy or its principles (与) 民主 (有关)的 2. favoring or characterized by social equality 大 众的, 主张平等的

unfair and often unfavorable feeling or opinion 偏见

not able to accept ways of thinking and behaving which are different from one's own 不能容忍的

of, concerning, or based on facts

the ability to do something well to come to believe after consideration of known facts

to take and use as one's own a secondary or indirect effect

1. an unwelcome intrusion into another's domain 侵犯, 干预

2. when the army of one country enters another country by force, in order to take control of it 侵略,入侵

someone's right to keep their personal matters and relationships secret

to act against and make (action, force, etc.) of less effect 对抗,抵制

1. a likelihood to behave in a particular way or like a particular



exaggerate /ig'zædʒəreit/ v. sensationalize /sen'seifənə,laiz/ v.

ideal /ai'diəl/ n.

a.

implication / impli kei sən/ n. critic / kritik/ n.

collectively /kə lektrvlı/ ad.

thing 2. a general change or development in a particular direction to say or believe more than the truth about 夸张

to deliberately make something seem as strange, exciting, or shocking as possible 使引起轰动,以耸人听闻的手段处理

1. a principle or a way of behaving that is of a very high standard

2. a perfect thing or situation

without fault; perfect, or the best possible

a possible future effect or result of an action, event, decision, etc.

1. a person who forms and gives judgement 批评家, 评论家 2. a person who (regularly) finds faults with someone or something 爱 挑剔的人

as a group 集体地, 共同地

be responsible for

apply to

lie with

short of

as a whole

in any case

along with in the first place

in that

arrive at

make a point

be up to

so far as

pay for

be based on

对…负责

适用于,适宜于

(责任、问题等)在于

除了,除非

整个来看

无论如何, 总之, 不管怎么说

与…一起

第一点,首先

由于,因为

达到,得出

表明一种看法,证明一个论点

是…的职责

对…负责,为…承担后果或责任 (表示程度,范围)就…,尽…

以…为基础,以…为根据

the University of California

the Royal Society

Ernst Chain /ə:nst tsem/

加利福尼亚大学

(英国)皇家学会(= the Royal Society of London for Improving

Natural Knowledge)

厄恩斯特・钱恩(人名)

Exercise 1 Decide whether the statements are True (T) or False (F) according to the text.

1. The university scientists are different from other scientists mainly because they seem to have less sense of responsibility. ()

2. We may infer from the text that some scientists are not qualified because they sometimes fail to be aware of the disastrous effects their discovery may bring about. ()

3. One problem that needs our attention is how to get a general agreement about social values and goals. ()

4. Chain believes the scientists should be responsible for the unpleasant side-effects of their inventions. ()

5. The author believes that a scientist should tell the truth to the public about new developments in his or her field. ()

Second Reading

Read the text again and do the following exercises.

Exercise 2 Scan the passage to find the answers.

1. The main focus of the debate:

2. The author's purpose of writing paragraph 2:

3. The scientist's dilemma:

4. The implication of the last sentence of paragraph 4:

5. Who should be responsible for the side-effects of an invention?

6. The author's view on the issue (the last paragraph):



Exercise 3 Complete the outline of the text.

	Social Responsibility of Scientists
I.	Focus of the debate
	A. Beneficial effects of a scientist's work
	B. Harmful effects of a scientist's work
Π.	Scientists' attitude toward their social responsibility
	A. (On the one hand) B. (On the other hand)
III	I. The author's view on the issue

Oral Practice



Exercise 4 Use the words and expressions you have learnt from the text to talk about the social responsibility of a scientist. You may use the following words and expressions.

be responsible to ... for consequences keep ... informed

be of immense benefit to mankind have disastrous effects on counteract the tendency of

Vocabulary and Structure

Exercise 5 Put the following expressions into Chinese or English.

4450 (ARDV) 438 RO 61271300 31	对社会负责
be held responsible for the	
unpleasant effects	
be responsible for the accident	ne stant ontoger translator Walney respi
	对乘客的安全负责

2.	agree on a data for the next meeting	就需要更多信息一事达成
	agree to differ/disagree country life really agrees with me	一致意见 ————————————————————————————————————
3.		对个人隐私的侵犯/干预
	invasion of civil rights the U.S. military invasion of Iraq prepare for the annual summer invasion of tourists	A Charle Anne Court Conservation
4	an increasing/growing tendency a tendency for a new manager to make changes have a tendency to avoid arguments	新闻媒体对新发明肆意夸大的倾向

Exercise 6 Fill in the blanks with the words given. Change the form where necessary.

resign
foresee
dilemma
unbiased
prejudice
implication

١.	It is a common: Should you
	stay where you have friends and family, or
	take a good job in a far-away city?
2.	She was considered to be in the front ranks
	of women physicists, but when the Nazis
	came to power, she was dismissed from her
	position because of the strong
	against women scientists.
3.	Concerns about the quality and safety of
	products made in China should not be
	because these comprise
	less than 1 percent of all Chinese exports,
	according to the government spokesman.
4.	Nixon was the first U.S. President to
	before the end of his term of
	office.

	development of health and social policy.
6.	Student performance will be judged on the basis of degree examination results, thesis
	and continuous, following current University regulations.
7.	The book was published in 1994 and was translated into fifteen languages
8.	Although she was not a professional politician, her views were in shap-
	ing government policy.
9.	There has been fierce over whether or not gas prices should be totally
	decontrolled and the price allowed to find its own level.
10.	The teams competed against each other to make the highest profits for their branch,
	and the winners were Northern Ireland, with England runners-up.
	Wales third and Scotland fourth.
11.	Some argue that the media are essentially a mirror, attempting to report political facts
	in a relatively straight forward and manner.
12.	Clearly, those businesses that the critical changes will have a far better
	chance of being successful than those who cannot or will not.

- Exercise 7 Replace the underlined words in the following sentences with the expressions from the text that best keep each sentence's original meaning. You may use the paragraph number as a clue.
 - 1. One question they argued about at the meeting was whether science and technology and their creators should <u>be blamed for</u> the unfortunate consequences or all responsibility should be placed on greedy businessmen and power thirsty politicians. (Para. 1)
 - 2. We believe that the future of our country <u>depends on</u> the current young generation. We see that our education system plays a very important role in this. (Para. 1)
 - 3. All of what I have said about students who find math hard also is relevant to those who find science boring. (Para. 1)
 - 4. I can't find any means to overcome my present financial crisis, except for selling the house. (Para. 1)
 - 5. The sciences should be at the service of humanity <u>considering them as one unit</u>, and should contribute to providing everyone with a deeper understanding of nature and society. (Para. 2)
 - 6. Interested candidates should send a detailed CV, research interests, in addition to a list of publications, and the names and addresses of three references to Dr. John Smith. (Para. 3)
 - 7. You know that, <u>first of all</u>, there is no generally accepted scientific theory as to how life came to exist on our planet. (Para. 3)
 - 8. Research scientists are somewhat unique employees <u>because</u> the very nature of their research requires a great deal of expertise and, very frequently, many years of continuous research on a single subject. (Para. 4)
 - 9. As we all know, after years of debate, the scientific community <u>has reached</u> the conclusion that global warming is in fact a reality. (Para. 4)

10. All delegations <u>had the same opinion about</u> the important role played by education and training in promoting personal development and in facilitating people's employability. (Para. 6)

Exercise 8 Fill in each of the following blanks with a preposition or an adverb.

	for all often are intolerant
1.	It's sad to me that most who claim tolerance for all often are intolerant
	others that disagree with them.
2.	There is evidence to suggest that some blame lies the same light par does
3.	Not everyone views environmental pollution the same light, not deep
	as your agree on the short as well as long-term effects.
4	to me to determine the direction of the project.
5	The telecommunications revolution, once mainly of benefit business,
	now promises to transform the home.
,	If an are unhappy with the way the Council has arrived a decision,
6.	you can complain, and send your email to complaints@wycombe.gov.uk for further in-
	formation. science and can readily
7.	What we find is that society has an impact science and can readily
	mold the direction in which science takes.
8.	My hope was to give a somewhat smaller party, and perhaps we can agree
	a date that would allow me time to prepare.
9.	These regulations apply students admitted to the first year of study for
	A.A. Jagman
10	The woman who came appeared under stress and clearly made an incorrect assessmen
10.	the situation.

Exercise 9 Match each word below with the group of words that regularly come before it and then put the Chinese parts in the following sentences into English.

responsibility	consequence	application	service
1	2lalatange bes	or 3. emal tenso	4
practical formal	efficient lip	individual personal	serious
written successful	various community	social moral	environmental negative
job make	public emergency	shared shoulder	tragic suffer
send in	customer	carry	have
turn down	improve provide	accept bear	face
reject require	offer	take	lead to