

# 《科技英语突破》

## 图书基本信息

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## 书籍目录

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#### Unit1

I. Scientific Reading: Welding

II. Access to Scientific English

III. Semi-Scientific Word Study

(1) Negligible, Considerable Substantial

(2) Melt, Molten Smelt

(3) Property

(4) Bring about, Produce Cause Give rise to

(5) Critical

(6) Conducive

IV. Practical Usage of Some Patterns

(1) Maximum and Minimum

(2) Contents

V Supplementary Readings and Exercises

Reading 1 Air Bearings

Reading 2 Ozone Depletion and Cancer

Unit2 I. Scientific Reading: Centrifugal Governors

II. Access to Scientific English

III. Semi-Scientific Word Study

(1) Contact

(2) House, Accommodate

(3) Resist, Withstand

(4) Advantage

IV. Practical Usage of Some Patterns

(1) The use of will and may-

(2) Classification

V Supplementary Readings and Exercises

Reading 1 The Birth of Stars

Reading 2 Landing on Venus

Unit3 I. Scientific Reading: The Petrol Engine

II. Access to Scientific English

III. Semi-Scientific Word-Study.

(1) Adopt

(2) Apply

(3) Exploit, Utilize, Employ

(4) Efficiency

(5) Attain, Achieve

IV. Practical Usage of Some Patterns

(1) Methods

(2) Should

V Supplementary Readings and Exercises

Reading 1 The Costs of Safety

Reading 2 Technology for Tunnellers

#### Unit 4

I. Scientific Reading: The Jet Engine

II. Access to Scientific English

## III. Semi-Scientific Word Study

- (1) Admit, Introduce
- (2) Speed, Rate
- (3) Capacity
- (4) Evolve
- (5) Generate
- (6) Develop

## IV. Practical Usage of Some Patterns

- (1) Purpose

- (2) Requirements and Necessity

## V Supplementary Readings and Exercises

Reading 1 Agronomy in Guatemala

Reading 2 Patents and Inventions

## Unit 5

I. Scientific Reading: Radioactivity

II. Access to Scientific English

## III. Semi-Scientific Word Study

- (1) Produce, Product, Production
- (2) Consume Consumption

- (3) Inject

- (4) Eliminate, Get rid of

- (5) Devise, Device, Instrument Apparatus

## IV. Practical Usage of Some Patterns

- (1) Explanation of cause

- (2) Problems, Difficulties and Solution

## V Supplementary Readings and Exercises

Reading 1 Fireballs

Reading 2 Genes in Action

## Unit 6

I. Scientific Reading: Chain Reaction

II. Access to Scientific English

## III. Semi-Scientific Word Study

- (1) Tend, Apt, Inclined

- (2) Impinge on, Encounter

- (3) Deflect, Refract, Reflect

- (4) Diverge Converge

- (5) Induce Aspirate

- (6) Expel, Exhaust, Eject, Discharge

- (7) Propagate, Distribute

## IV. Practical Usage of Some Patterns

Ratio and Proportion

## V Supplementary Readings and Exercises

Reading 1 The Schoolroom in the Sky

Reading 2 Brightening up the Dashboard

## Unit 7

I. Scientific Reading: Conductors and Conductivity

II. Access to Scientific English

## III. Semi-Scientific Word Study

- (1) Supply, Provide, Fit

(2) Equip, Install

(3) Allow for, Compensate for

(4) Work, Function, Operate, Run

(5) Control, Regulate

IV Practical Usage of Some Patterns

(1) Results

(2) Contrast

V Supplementary Readings and Exercises

Reading 1 Solar Physics

Reading 2 The Brain Under Stress

Unit8

I. Scientific Reading: Liquid Pumps

II. Access to Scientific English

III. Semi-Scientific Word Study

(1) Perform

(2) Limit, Restrict, Impair, Impose

(3) Effective

(4) Factor

(5) Stable Stabilize

(6) Maintain

IV. Practical Usage of Some Patterns

(1) It is + adj + to

(2) It (is) + adj + that

V Supplementary Readings and Exercises

Reading 1 Automating Transport

Reading 2 Homes for Refugees

Unit9

I. Scientific Reading: Road Foundations

II. Access to Scientific English

III. Semi-Scientific Word Study

(1) Dispose of

(2) Affect (v); Effect (n)

(3) Deteriorate, Improve

(4) Potential

(5) Pipe, Tube, Rod

(6) Erode Corrode

IV. Practical Usage of Some Patterns

Measurement and Calculations

V Supplementary Readings and Exercises

Reading 1 Mycology and Food Storage

Reading 2 Do Tranquilizers Cause Birth Defects?

Unit 10

1. Scientific Reading: Suspension Bridges

II. Access to Scientific English

III. Semi-Scientific Word Study

(1) Value, Evaluate

(2) Subject, Subjected, Submit, Undergo Suffer

(3) Proceed, Procedure, Process

(4) Agree, Accord Conform Comply Consistent

(5) Modify

(6) Transform

IV. Practical Usage of Some Patterns

(1) In that . . . ( points of view etc )

(2) Consider, Neglect

V. Supplementary Readings and Exercises

Reading 1 The Biological Clock

Reading 2 An End to Soil Problems

Key to Supplementary Readings and Exercises

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