

## - 重点单词 -

### approximate

+ 生词本

🔊 英 /ə'prɒksɪmət/ 美 /ə'prɑːksɪmət/

adj. 近似的, 大约的 vt. & vi. 近似, 接近

#### 原文语境

Charles Babbage proposed a new mechanical device called the Difference Engine, a much more complex machine that could **approximate** polynomials. 🔊

Charles Babbage 提出了一种新型机械装置, 叫“差分机”, 一个更复杂的机器, 能近似多项式。

#### 拓展例句

76o degrees Celsius... the **approximate** temperature of the young lady in the front row. 🔊

76o 摄氏度... ... 接近前排的年轻女士的温度。

#### 翻译练习

我想知道薪水大概是多少, 我需要工作多长时间。

I would like to know the **approximate** salary and how many hours I am required to work. 🔊

### abridged

+ 生词本

🔊 /ə'brɪdʒd/

adj. 删节的; 削减的 v. 缩短; 减少; 删去 (abridge的过去分词)

#### 原文语境

As early computer pioneer Charles Babbage said: "At each increase of knowledge, as well as on the contrivance of every new tool, human labor becomes **abridged**." 🔊

计算机先驱 Charles Babbage 说过: “随着知识的增长和新工具的诞生, 人工劳力会越来越少。”

#### 拓展例句

I usually listen to one in the car (always unabridged; I think **abridged** audio-books are the pits), and carry another wherever I go. 🔊

我开车的时候通常会听一本有声书(我总是听未经删节的版本; 我认为删节版的有声书太糟糕了), 走到哪里随身还会带上一本。

#### 翻译练习

今天时间有限, 我只能读缩略的版本。

But in this context I'm just going to read an **abridged** version of those texts. 🔊

### entitled

+ 生词本

🔊 /in'taɪtld/

adj. 有资格的；给与名称的 v. 给...权利；给...定书名；授...以荣誉（entitle的过去分词）

#### 原文语境

Charles Babbage acknowledged this problem in 1822 in a paper to the Royal Astronomical Society **entitled**: "Note on the application of machinery to the computation of astronomical and mathematical tables". 🗣️

Charles Babbage 在 1822 年写了一篇论文，向皇家天文学会指出了这个问题。标题叫：“机械在天文与计算表中的应用。”

#### 拓展例句

They are **entitled** to remuneration for helping others. 🗣️

他们因帮助别人而获得报酬。

#### 翻译练习

不管你有什么感觉都是没有问题的。

You're **entitled** to feel how you feel. 🗣️

## clocks

+ 生词本



n. 钟表；时钟（clock的复数） v. 为...计时（clock的三单形式）

#### 原文语境

And there are literally hundreds of types of **clocks** created that could be used to calculate sunrise, tides, positions of celestial bodies, and even just the time. 🗣️

人们还创造了上百种时钟，算日出，潮汐，天体的位置，或纯粹拿来计时。

#### 拓展例句

The **clock** is ticking. - Same rule. 🗣️

时间不等人 - 规矩依旧。

#### 翻译练习

你永远也无法让时光倒流。

You can never turn the **clock** back. 🗣️

## merged

+ 生词本



adj. 结了婚的；合并的，融合的 v. 合并；融合；兼并（动词merge的过去式和过去分词）

#### 原文语境

To meet this demand, Hollerith founded The Tabulating Machine Company, which later **merged** with other machine makers in 1924 to become The International Business Machines Corporation or IBM, which you've probably heard of. 🗣️

为了满足这一需求，Hollerith 成立了制表机器公司，这家公司后来在 1924 年与其它机械制造商合并，成为了“国际商业机器公司”，简称 IBM，你应该听过吧。

### 拓展例句

The convergence of these influences **merged** to form a school called Neoplatonism. 🗣️

这些影响的融合合并形成了一个名为新柏拉图主义的学派。

### 翻译练习

只有岔道和合并，没有路线交叉。

Splits and **merges**, yes. Intersections, no. 🗣️

## problematic

+ 生词本

🗣️ 英 /ˌprɒbləˈmætɪk/ 美 /ˌprɑːbləˈmætɪk/

adj. 成问题的；有疑问的；阴暗的 adv. 成问题地，有疑问地

### 原文语境

That's a little **problematic** when it's required every decade! 🗣️

但人口普查可是 10 年一次啊！

### 拓展例句

So it's potentially **problematic** that alcohol consumption in Asia has been increasing, especially in China. 🗣️

所以亚洲人喝酒比例的上升隐含着潜在的风险，特别是在中国。

### 翻译练习

他们发布他们认为很酷的东西，他们认为不公平或有问题的东西。

They post about what they think is cool, what they think is unjust or **problematic**. 🗣️

## acknowledged

+ 生词本

🗣️ /əˈknɒlɪdʒd/

adj. 公认的，得到普遍认可的 v. 承认，认可；告知收到（动词 acknowledge 的过去式和过去分词）

### 原文语境

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### 拓展例句

We should **acknowledge** that confusion is natural, and fear entirely normal, but let neither of these scupper our chances forever. 🗣️

我们应该接受感到困惑是很自然的，恐惧也是极为正常的事，但不要让这些负面情绪使机会泡汤。


### 翻译练习

我要感谢我的兄弟约翰一直以来他都坚定地支持着我。

I want to **acknowledge** my brother John and his unwavering support. 

## hassle

+ 生词本

 英 /'hæs(ə)l/ 美 /'hæsl/

n. 困难；争吵；麻烦 v. 烦扰；麻烦

### 原文语境

Polynomials could also be used to approximate logarithmic and trigonometric functions, which are a real **hassle** to calculate by hand. 

多项式也可以用于近似对数和三角函数，这些函数手算相当麻烦。

### 拓展例句

Duke is a three-hour drive away, which seemed like a **hassle**. We liked the local surgeon. 

杜克离这里有三个小时的车程，这似乎很麻烦。我们喜欢当地的外科医生。

### 翻译练习

现在这种方式很流行，完全没有麻烦。

That's a very popular way to pay nowadays, totally **hassle** free! 

## varying

+ 生词本

 /'vɛəriŋ/

adj. 变化的；不同的 v. 变化，改变（vary的现在分词）

### 原文语境

Add to these **varying** wind conditions, temperature, and atmospheric pressure, and even hitting something as large as a ship was difficult. 

因为风力、温度、大气压力会不断变化，想打中船一样大的物体也非常困难。

### 拓展例句

It was already well known that personality traits **vary** across geographic regions. 

众所周知，一方水土养一方人。

### 翻译练习

他已经习惯了她变化多端的情绪了。

He has got used to her **varying** moods. 

## polymath

+ 生词本

 英 /'pɒlimæθ/ 美 /'pɑːlimæθ/

n. 博学的人 adj. 博学的

#### 原文语境

And notable among these devices was the Step Reckoner, built by German **polymath** Gottfried Leibniz in 1694. 📖

其中“步进计算器”最有名，由德国博学家戈特弗里德·莱布尼茨建造于 1694 年。

#### 拓展例句

It was also a reminder that, even in an age of **polymaths**, the breadth of the Tuscan master's interests was exceptional. 📖

这也提醒人们，即使在一个博学多才的时代，这位意大利托斯卡纳区的大师的兴趣之广也超乎常人。

#### 翻译练习

在这些机器中，莱布尼茨乘法器格外著名 它由德国博学家戈特弗里德·莱布尼茨于1694年建造。

Notable among these devices was the Step Reckoner, built by German **polymath** Gottfried Leibniz in 1694. 📖

## amplify

+ 生词本

📖 英 /'æmplɪfaɪ/ 美 /'æmplɪfaɪ/

vt. 放大，扩大；增强；详述 vi. 详述

#### 原文语境

It lowered the barrier to entry, and at the same time, **amplified** our mental abilities. 📖

降低了门槛，也加强了我们的能力。

#### 拓展例句

The firewhisky seemed to have **amplified** his voice. 📖

烈性威士忌似乎放大了他的声音。

#### 翻译练习

独处既可以将我们内心平静的情绪起伏放大，但与此同时，它也可以削弱我们内心强烈的情绪起伏。

It **amplifies** quieter emotions, but it diminishes the intensity of stronger feelings. 📖

## polynomial

+ 生词本

📖 英 /ˌpɒlɪˈnəʊmiəl/ 美 /ˌpɒlɪˈnomiəl/

n. 多项式 adj. 多项的

#### 原文语境

Charles Babbage proposed a new mechanical device called the Difference Engine, a much more complex machine that could approximate **polynomials**. 📖

Charles Babbage 提出了一种新型机械装置，叫“差分机”，一个更复杂的机器，能近似多项式。

#### 拓展例句

Algebra In the field of algebra, Gauss proved the fundamental theorem of algebra, which states that every non-constant **polynomial** equation has at least one complex root. 🗣️

代数 在代数领域，高斯证明了代数基本定理，即每个非常数多项式方程至少有一个复根。

### 翻译练习

在代数方面，他的工作扩展了我们对多项式方程的理解，打开了探索复数的新大门。

In algebra, his work expanded our understanding of **polynomial** equations, opening new doors of exploration in complex numbers. 🗣️

## vial

+ 生词本

🗣️ 英 /'vaɪəl/ 美 /'vaɪəl/

n. 小瓶；药水瓶 vt. 装入小瓶

### 原文语境

If you were married, you would punch out the married spot, then when the card was inserted into Hollerith's machine, little metal pins would come down over the card — if a spot was punched out, the pin would pass through the hole in the paper and into a little **vial** of mercury, which completed the circuit. 🗣️

如果你结婚了，就在“结婚”的位置打孔，当卡插入 Hollerith 的机器时，小金属针会到卡片上——如果有个地方打孔了，针会穿过孔泡入一小瓶汞，联通电路。

### 拓展例句

All I had to do was fill up a **vial** with a disgusting amount of spit and mail it off for analysis. 🗣️

我所要做的就是往瓶子里倒满恶心的唾液，然后寄出去分析。

### 翻译练习

你把蚂蚁放到小瓶子里了吗？

Have you got it in the **vial** yet? 🗣️

## - 重点短语 -

## the father of something

+ 生词本

某事物的创始人，某事物之父

### 原文语境

This is why Babbage is often considered the "**father of** computing". 🗣️

所以 Charles Babbage 经常被认为是“计算之父”。

### 拓展词组

**from father to son:** (财产或技艺) 父子相传

**father sb:** 成为父亲；做父亲

**father something on somebody:** 把(责任、某物的来源等) 误加于某人

## 翻译练习

弗洛伊德是精神分析之父。

Freud is **the father of** psychoanalysis.

## run in

+ 生词本

逮捕（某人）；磨合驾驶（新车）

### 原文语境

It could be used for many things, not just one particular computation; it could be given data and **run** operations **in** sequence; it had memory and even a primitive printer. 🗣️

它可以做很多事情，不只是一种特定运算；它甚至可以根据所给数据按顺序执行一系列操作；它有内存，甚至有一个很原始的打印机。

### 拓展例句

You shouldn't drive a new car too fast while you're running it in.

你磨合新车时不应开得过快。

### 拓展词组

**run across:** 偶然遇见（某人）；偶然找到（某物）

**run after:** 追捕，追逐（某人或某物）；追求（某人）

**run around:** （在某地方玩耍时）跑来跑去；四处奔波；和...交往；和...厮混

## 翻译练习

警察因其醉酒闹事而逮捕了他。

The police ran him in for being drunk and disorderly.

## run out

+ 生词本

结束；迫使（某人）离开；击球后跑上一垒；用尽（供给）；离弃，抛弃（某人）

### 原文语境

But if we were to add 5 more after the first 3 we would **run out** of beads, so we would slide everything back to the left, slide one bead on the second row to the right, representing ten, and then add the final 2 beads on the bottom row for a total of 12. 🗣️

但如果再买 5 颗，珠子就不够用了，所以把所有珠子移回左边，在第二排把 1 颗珠子向右移动，代表 10，然后最底下那行，向右移动 2 颗珠子，代表 12。

### 拓展例句

She ran out on her husband and children to be with a man old enough to be her father.

她抛弃了丈夫和孩子，跟一个老得可以当她父亲的男人跑了。

### 拓展词组

**run across:** 偶然遇见（某人）；偶然找到（某物）

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### 翻译练习

他把纸的正面写满了，只好把地址写在了背面。

He ran out of space and had to put his address on the other side of the paper.

## be remembered for/as something

+ 生词本

因某事物而著名

### 原文语境

We are living in a time likely to **be remembered as** the Electronic Age. 📖

现在这个时代很可能会被后人总结成“信息时代”。

### 拓展例句

He is best remembered for his travel books.

他因他的游记而为人们所熟知。

### 翻译练习

约翰逊希望人们记住他是“教育总统”。

Johnson wanted to **be remembered as** ‘the education president.’

## the run of

+ 生词本

自由自在

### 原文语境

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### 拓展词组

**run across:** 偶然遇见（某人）；偶然找到（某物）

**run after:** 追捕，追逐（某人或某物）；追求（某人）

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### 翻译练习

父母都不在，他在家可以自由自在了。

With his parents gone, he had **the run of** the house.

## build on/upon

+ 生词本

在...基础上发展；以...为基础发展（或创建）...



### 原文语境

And don't worry, in the same way someone buying t-shirts on a webpage doesn't need to know how that webpage was programmed, or the web designer doesn't need to know how all the packets are routed, or router engineers don't need to know about transistor logic, this series will **build on** previous episodes but not be dependent on them. 📌

不用担心，正如在网上买 T 恤的人不用知道网站代码是怎么写的，设计师不用知道数据包是怎么传输的，设计路由器的工程师不用理解晶体管的逻辑，本系列中每个视频会接着上集继续讲，但完全可以跳开上集的内容。

### 拓展例句

He built his theory on recent studies.

他以新近的研究为基础创建了自己的理论。

### 拓展词组

**build around:** 以...为基础发展；以...为中心展开

**build onto:** 扩建；增建

**build up:** 鼓吹；吹捧

### 翻译练习

她凭借早期优秀的绘画作品确立了天才画家的声誉。

She has built her reputation as a talented artist on the strength of her earlier paintings.

## all at once

+ 生词本

一下子，突然；一起，同时

### 原文语境

If they were to suddenly turn off, **all at once**, the power grid would shut down, cars would crash, planes would fall, water treatment plants would stop, stock markets would freeze, trucks with food wouldn't know where to deliver, and employees wouldn't get paid. 📌

如果突然关掉所有的计算机电网，车辆会相撞，飞机会坠毁，净水厂会关闭，证券市场会停止运作，装满食物的卡车不知运往何方，员工将得不到薪水。

### 拓展例句

A lot of practical details needed to be attended to **all at once**.

许多实际上的细节问题都需要同时处理。

### 翻译练习

突然传来一记重重的敲门声。

**All at once** there was a loud banging on the door.

