

终身学习:

**培养现代大学生
信息素养**

CALIS 第二十八届引进数据库培训周

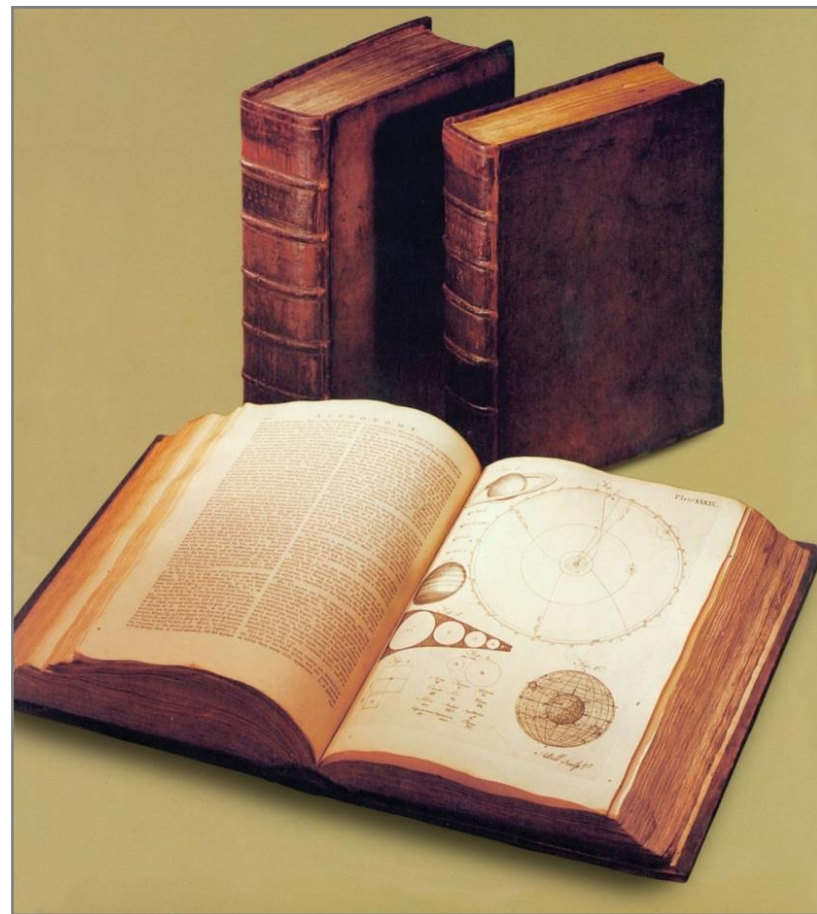
Judy He 何炬

大英百科亚洲区高级市场经理

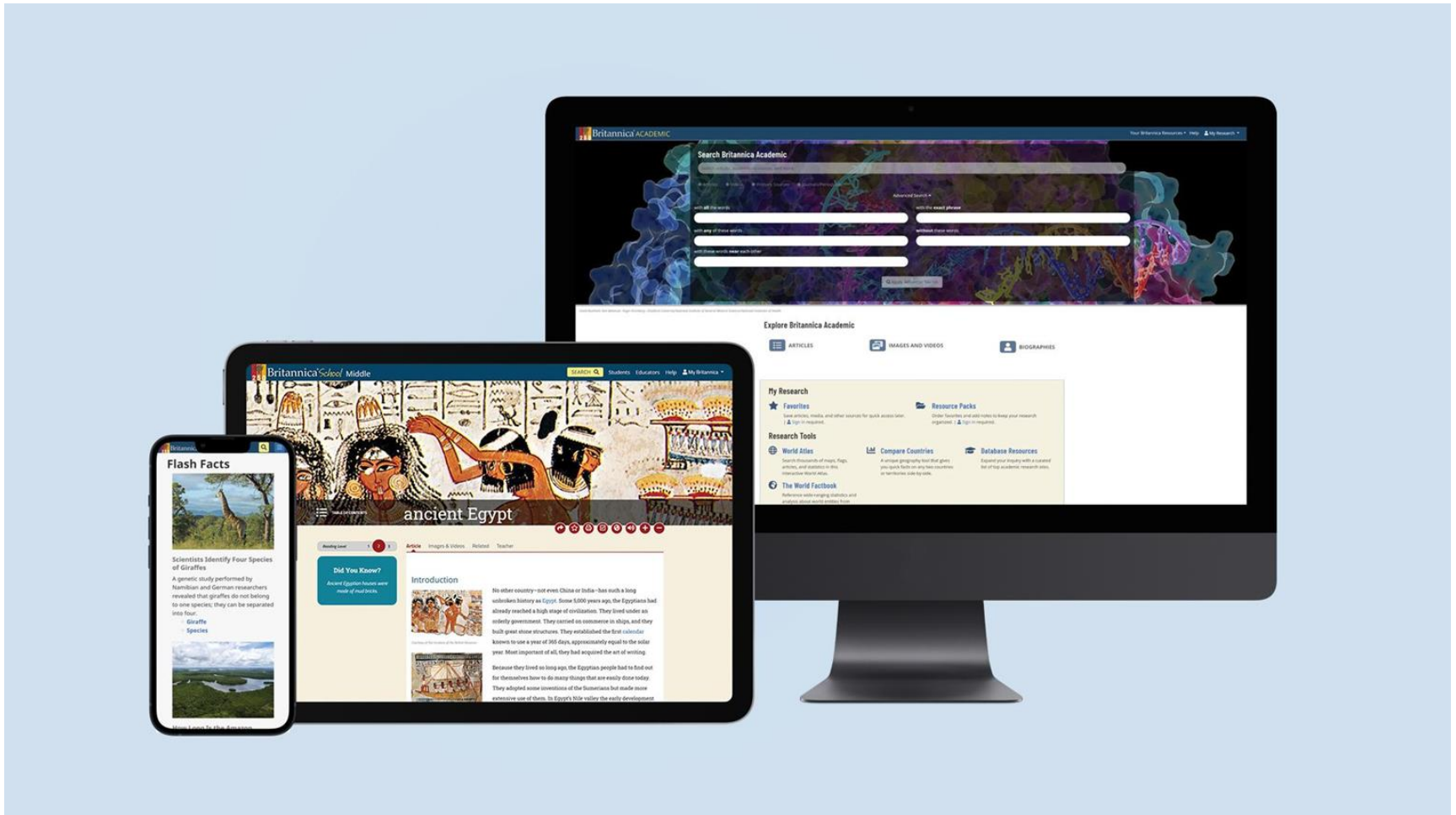
2022 年5月

历史悠久的大英百科

成立于 1768 年。时至今日，大英百科依然是全球参考资源的标杆。



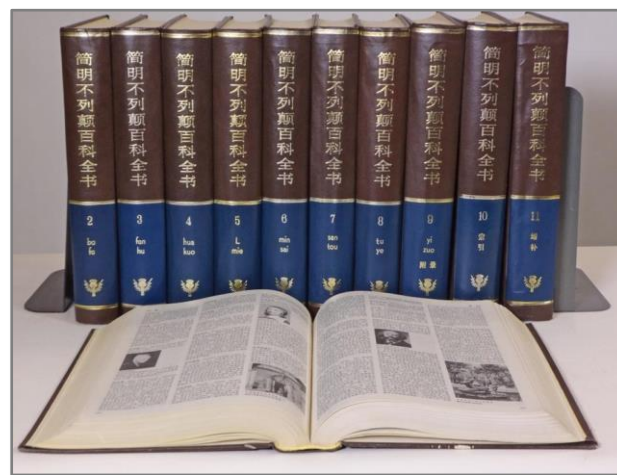
大英百科的数字化转型



大英百科和中国 合作超过35年



1985年9月10日，吉布尼向邓小平展示再印的第一卷不列颠百科全书



大英百科旗下品牌

ENCYCLOPÆDIA
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 Britannica®
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melingo
exceptional
language solutions

BRITANNICA
PROCON.ORG | RELIABLE.
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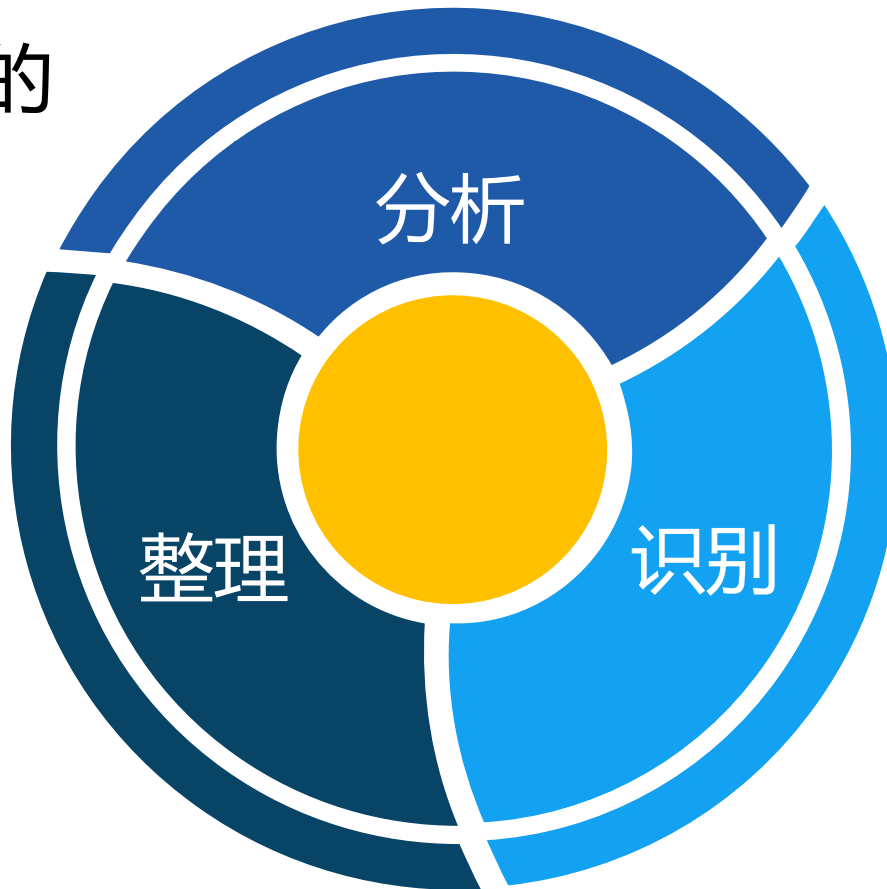
Merriam-
Webster®

 BRITANNICA KIDS

信息素养的要素

批判性地分析信息需求

具备信息素养的人能够：



整理和重新思考以构建
新知识

识别和综合适当的
来源

Australian School Library Association. [Statement on Information Literacy Australian Library and Information Association \(ALIA\) and Australian School Library Association \(ASLA\)](#)

2017年1月，国务院印发了《国家教育事业发展规划“十三五”规划》，指出：“教育与经济社会发展的结合更加紧密，以学习者为中心，注重能力培养，促进人的全面发展，全民学习、终身学习、个性化学习的理念日益深入人心”。

提出“加强对学生科学素质、信息素养和创新能力的培养”这一主要任务。

数字信息素养对大学生的重要性

- 在数字社会中生活和工作以及成为终身学习者所需的能力
- 提高未来就业竞争力



如何培养学生的数字信息素养

- 激发对主动寻求信息的内在欲望
- 判断信息来源可靠性
- 提供学生寻找、筛选和整合信息的工具
- 批判性思维教育
 - 鼓励反思、质疑、推测和在想法中建立联系
 - 培养更高的学习技能： 分析、综合和评估

培养数字信息素养的障碍



ROAD
CLOSED

- 学生的信念和态度
- 缺乏良好的教学支持
- 忽视非学术期刊的信息
- 与技术、组织等相关的数字鸿沟

跨越培养大学生信息素养的障碍

Our mission:
to inspire curiosity
and the joy of learning.

大英百科的使命:

激发好奇心和学习的乐趣.

大英百科学术版：一站式综合友好平台

- 全球视野
- 可靠、客观的信息
- 每日更新的内容
- 综合友好跨平台访问



卓越的撰稿人和编辑团队

我们的撰稿人包括：

- 110位诺贝尔奖得主
- 20多位国家领袖
- 14位世界运动健将
- 5位美国总统
-

专业的编辑审核团队包括：

- 采编专家
- 主题编辑
- 评审专家
- 责任编辑
- 版权编辑



全科学学习必备参考资源



Animals



Arts and
Literature



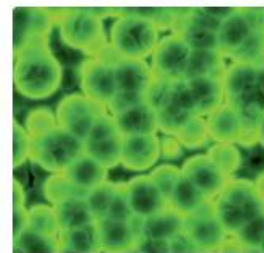
Earth and
Geography



History



Life
Processes



Living
Things
(Other)



Philosophy
and
Religion



Plants



Science and
Mathematics



Society



Sports and
Recreation



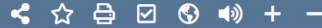
Technology

十二大主题分类，涵盖学习和科学研究的各个领域，对师生而言，无论是即时查询，或开展有计划的研究，均可快速便捷地满足需求。

百科主题文章查询



virus



ARTICLE IMAGES & VIDEOS RELATED ARTICLE HISTORY

Additional Reading

Descriptions of the diseases and their epidemiology are included in Bernard N. Fields and David M. Knipe (eds.), *Fields Virology*, 2nd ed., 2 vol. (1990), a text on the structure, biological properties, replication, and immunology of virtually all human viruses of medical importance. David O. White and Frank J. Fenner, *Medical Virology*, 4th ed. (1994), is intended for medical students and other health professionals. *The Viruses*, 24 vol. (1982–94), a monographic series, critically analyzes in detail the biology, chemistry, and physical properties of

each family of viruses—e.g., Bernard Roizman and Carlos Lopez (eds.), *The Herpesviruses*, 2 vol. (1982–94). Jay A. Levy (ed.), *The Retroviridae*, 3 vol. (1992–94). C.H. Andrewes, *The Natural History of Viruses*, a personal account by one of the pioneers in the field. Arnold J. Levine, *Viruses* (1982), a well-written history and description of virology, provides insight into its scientific development. Casjens (ed.), *Virus Structure and Assembly* (1985), contains an illustrated series of articles by leading contributors to the understanding of the physical principles that determine the structure of viruses. Abner Louis Notkins and Michael B.A. Oldstone (eds.), *Concepts in Viral Pathogenesis I* (1986), *Concepts in Viral Pathogenesis II* (1986), and *Concepts in Viral Pathogenesis III* (1989), contain a series of articles by leading investigators on the disease-causing properties of many pathogenic viruses. R.I.B. Francki *et al.* (eds.), *Classification and Nomenclature of Viruses* (1991). Robert Roizman (ed.), *Encyclopedia of Virology*, 3 vol. (1994), contains extremely well-annotated articles on all viruses in alphabetical order by common names with detailed indexes and tables.

Robert R. Wagner

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Article Contributors

Introduction



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Viruses, multiply from.

The earliest virus was discovered in 1892 by Dutch scientist Martinus Beijerinck.

The virus under study was a new kind of infection that it was a live, reproducing organism that a disease of tobacco plants could be transmitted through a minute filter that would not allow bacteria to pass. The discovery that an isolated virus would not grow on an artificial medium was a major breakthrough. The first classification of the families, genera, species, and strains of all viruses discovered by R.I.B. Francki *et al.* (eds.), *Classification and Nomenclature of Viruses* (1991). Robert Roizman (ed.), *Encyclopedia of Virology*, 3 vol. (1994), contains extremely well-annotated articles on all viruses in alphabetical order by common names with detailed indexes and tables.

The unique nature of these agents means that they are not killed by heat, drying, or freezing.



virus

ARTICLE IMAGES & VIDEOS RELATED ARTICLE HISTORY

TYPE	DESCRIPTION	CONTRIBUTOR
T	Added mention of the link between enterovirus infection and acute flaccid myelitis, a polio-like disease.	Kara Rogers
T	Added information on SARS-CoV-2, the cause of coronavirus disease 2019 (COVID-19).	Kara Rogers
T	Added information on a protein in host cells that rhinoviruses and enteroviruses depend on for replication and that someday could be suppressed therapeutically to prevent infection.	Kara Rogers
T	Corrected display issue.	Adam Augustyn
📺	Added video.	Adam Augustyn
T	Added mention of the size and potential ecological significance of giant viruses.	Kara Rogers
📺	Added diagram of viral infection and reproduction.	Richard Pallardy
T	Changed polyomavirus family from Papovaviridae to Polyomaviridae.	Kara Rogers
T	Updated virus classification to follow the scheme presented by the International Committee on Taxonomy of Viruses (ICTV).	Kara Rogers
📺	Added an image of a cytotoxic T cell attacking a cell infected with a virus.	Kara Rogers
T	Article revised and updated.	Kara Rogers
T	Article revised.	The Editors of Encyclopædia Britannica

搜索结果包含多种形式的资源

You searched for "ecology"

DISPLAYING 1 - 5 OF 5 RESULTS.

ARTICLES IMAGES VIDEOS MORE

Need to refine? Try our **ADVANCED SEARCH.** ▾



Zhytomyr National University of Agriculture and Ecology, Zhytomyr, Ukraine.



Coevolution between the yucca and the yucca plant. A female moth...

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韦氏词典释义

You searched for "ecology"

DISPLAYING 1 - 10 OF 491 RESULTS.

ARTICLES IMAGES VIDEOS MORE

ecology ☆

ecology | also called bioecology...
Some of the ...

human ecology (sociology)

human ecology | man's collective interaction with his environment. Influenced by the work of biologists on the interaction of organisms within their ...

- JOURNALS / PERIODICALS
- DICTIONARY / THESAURUS
- WEB'S BEST SITES
- PRIMARY SOURCES / E-BOOKS
- YEAR IN REVIEW

study of the relationships between organisms and their environment.

Need to refine? Try our **ADVANCED SEARCH.** ▾

zoology ☆ - TOP 3 RESULTS. 1 MORE RESULTS IN ZOOLOGY.

Ecology

Ecology | The harmony that Linnaeus found in nature, which redounded to the glory and wisdom of a Judaeo-Christian god, was the 18th-century counterpart ...

Historical background

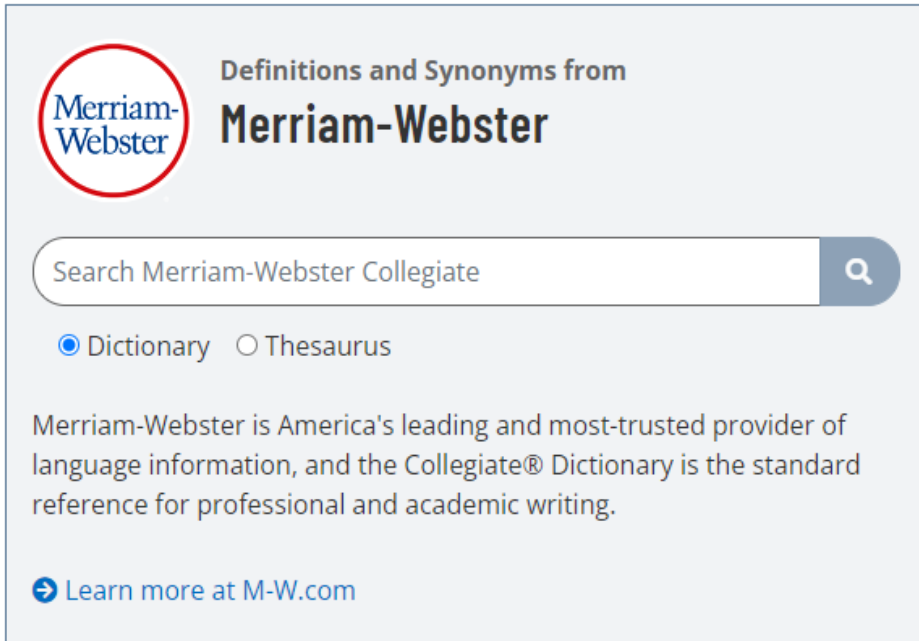
Such studies are often cross disciplinary in that **ecology**, physiology, genetics, development, and evolution are combined as man attempts to understand why an organism behaves as it ...

Areas of study

Areas of study | Although it is still...biochemistry and molecular biology; cell biology; developmental studies (embryology); **ecology**; ethology; evolution; genetics; ...

Charles Elton (English biologist) ☆

支持语言学习和个人信息整理



Merriam-Webster

Definitions and Synonyms from
Merriam-Webster

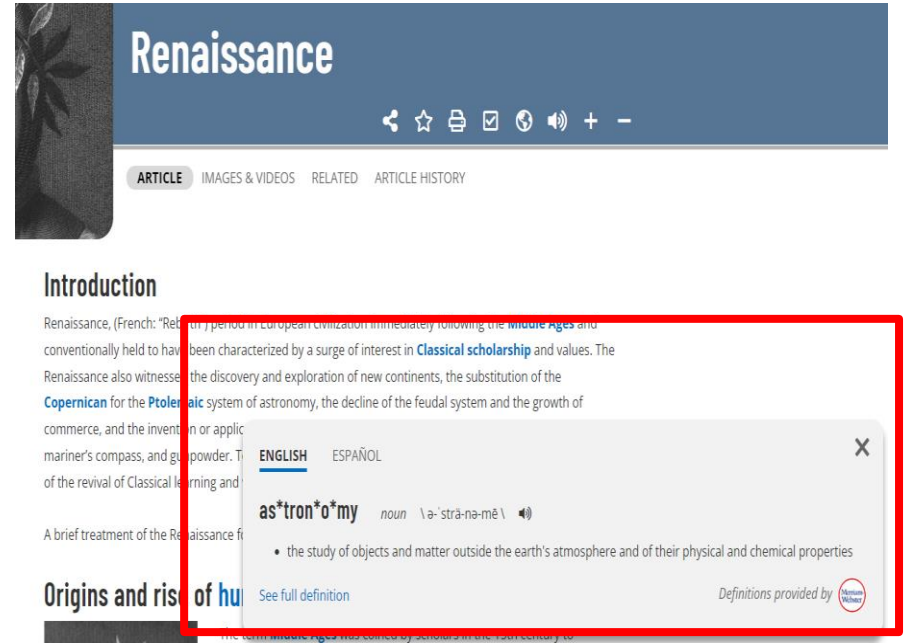
Search Merriam-Webster Collegiate

Dictionary Thesaurus

Merriam-Webster is America's leading and most-trusted provider of language information, and the Collegiate® Dictionary is the standard reference for professional and academic writing.

[Learn more at M-W.com](#)

✓ 内嵌韦氏词典，含同义词功能



Renaissance

ARTICLE IMAGES & VIDEOS RELATED ARTICLE HISTORY

Introduction

Renaissance, (French: "Renaissance") period in European civilization immediately following the **Middle Ages** and conventionally held to have been characterized by a surge of interest in **Classical scholarship** and values. The Renaissance also witnessed the discovery and exploration of new continents, the substitution of the **Copernican** for the **Ptolemaic** system of astronomy, the decline of the feudal system and the growth of commerce, and the invention or application of the **mariner's compass**, and gunpowder. The Renaissance also witnessed the revival of Classical learning and the

A brief treatment of the Renaissance follows.

Origins and rise of humanism

See full definition

Definitions provided by Merriam-Webster

as*tron*o*my noun \ə-'strā-nə-mē\

- the study of objects and matter outside the earth's atmosphere and of their physical and chemical properties

✓ 双击调用韦氏词典，研究工作与英语学习同步

内置优秀的语言使用助手，具备贴心功能，方便非英语母语读者使用，为深度研究打基础。

更多研究工具

Database Resources

Google Scholar

<https://scholar.google.com>

Google Scholar provides a simple way to broadly search for scholarly literature. From one place, you can search across many disciplines and sources: articles, theses, books, abstracts and court opinions, from academic publishers, professional societies, open access repositories and university websites. Google Scholar helps you find relevant work across the world of scholarly research.

JSTOR

<https://jstor.org>

JSTOR is a highly selective digital library of academic content in many formats and discipline journals as well as respected literary journals, academic monographs, research reports from

Microsoft Academic

<https://academic.microsoft.com/home>

Microsoft Academic employs advances in machine learning, semantic inference and knowledge in more powerful ways than ever before. Search by topic, journal, author, or combination of

United States Library of Congress

<https://loc.gov>

The Library of Congress is the largest library in the world, with millions of books, recordings and collections. The Library is the main research arm of the U.S. Congress and the home of the U.S. Capitol.

The World Factbook

COUNTRIES

COMPARISONS

Comparisons



NASA/GSFC/JPL, MISR Team

Geography Area

Area compares the sum of all land and water areas delimited by international boundaries and/or coastlines.

[Compare world area data](#)



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People and Society Population growth rate

Population growth rate compares the average annual percent change in populations, resulting from a surplus (or deficit) of births over deaths and the balance of migrants entering and leaving a country. The rate may be positive or negative.

[Compare world population growth rate data](#)



Justin Guariglia—xPACIFICA/Redux

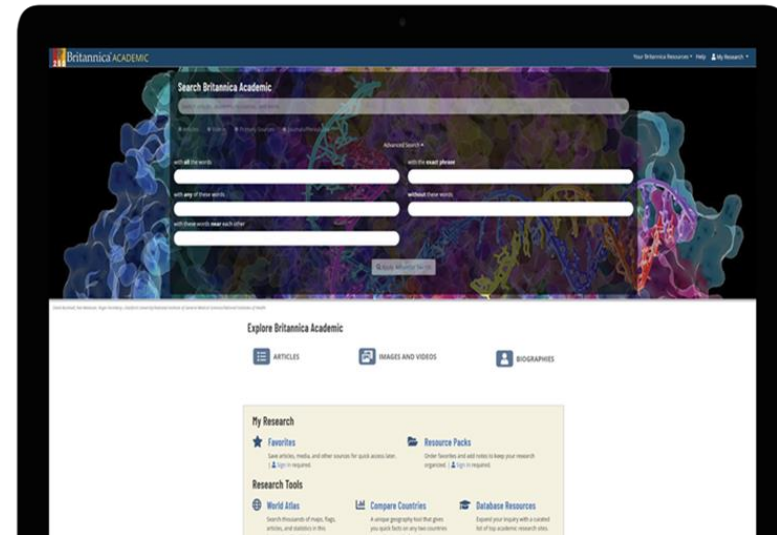
Economy Real GDP Growth Rate

GDP - real growth rate compares GDP growth on an annual basis adjusted for inflation and expressed as a percent.

[Compare world GDP growth rate data](#)

总结

- 信息社会需要终身学习
- 培养现在大学生信息素养能力是高校责任和义务
- 跨越障碍
 - 激发内在欲望
 - 提供工具平台
 - 鼓励批判性思维
- 大英百科学术版的帮助





Thank You
谢谢!

使用大英百科，提高信息素养

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Antonio, Amy & Tuffley, David. (2013). *Creating Engagement and Cultivating Information Literacy Skills*. Electronic Dreams Conference

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