

Science Online

Science Online offers a comprehensive overview of a broad range of scientific disciplines. It covers areas of **biology, chemistry, computer science, earth science, environmental science, forensic science, marine science, mathematics, physics, space and astronomy as well as weather and climate**. Users can learn science topics through “Topic Centres”, “eLearning Modules”, “Interactive Experiments”, “Featured People”, “Science in the News”, over several thousand video clips with subtitles as well as rich images and diagrams.

Science Online 包含多個科學學科的概覽，內容詳盡，涵蓋生物學、化學、計算機科學、地球科學、環境科學、法證科學、海洋科學、數學、物理、天文學、天氣與氣候等範疇。讀者可透過“Topic Centres”、“eLearning Modules”、“Interactive Experiments”、“Featured People”、“Science in the News”、逾數千個附英文字幕的錄像片段，以及豐富的圖像及圖表，學習不同科學課題。



SEARCHING

Basic Search

1. Enter one or more terms in the **Search** box and then click  button.
2. Search results are then sorted and

displayed into six tabs: Articles, Experiments & Diagrams, Images & Diagrams, Videos, Timelines and News.

Advanced Search

1. Click “Search Options” and then click “Advanced Search”.
2. Enter one or more terms in the Search box.
3. Limit the results by selecting specific record type provided under the pull-down menu of

Limit Results by Record Type

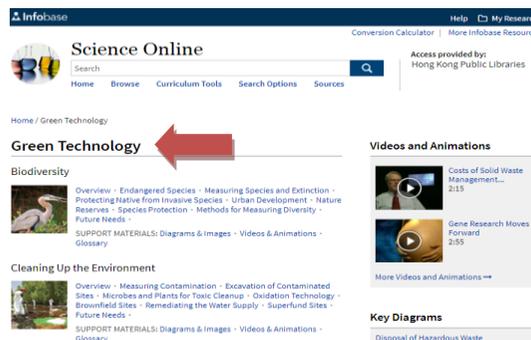
- All Record Types
 - Only Articles
 - Only Primary Sources
 - Only Images and Diagrams
 - Only Videos
 - Only News
 - Only Timelines
4. Click the **Search** button and the result list is displayed.

SPECIAL FEATURES

eLearning Modules

Provide learning materials on several specific topics, such as “Green Technology”, “The Human Body”, “Essential Chemistry” and “Physics in Action”.

1. Click one of the specific topics and a subtopic page will be displayed.
2. Download the materials in PDF.
3. Click the **Read Aloud** button to listen to



the soundtrack.

4. Click  to download the sound track.

Featured Videos and Animations

Offer visual engagement on different areas in science.

1. Click the  to view, and click  to print the transcripts.
2. Filter the video lists by category under “Videos and Animations” in “Browse Resources”, such as “Biology”, “Chemistry”, “Computer Science”, “Earth Science”, “Space and Astronomy” and “Weather and Climate”.

Interactive Experiments

Offer visual experience and explain how an experiment is performed such as “Catalysis (Colorful Chemistry)”, “Thermal Energy”, “Newton’s Second Law of Motion” and “Density of Liquids”.

1. **Introduction:** Explain the purpose of the experiment and the principles it demonstrates.



2. **Materials:** Show the components that will be used in the experiment.
3. **Instructions:** A step-by-step guide to

- explain how to perform the experiment.
- Click **Start** to perform the experiment. Users can record the data in data tables when performing the experiment.
- Click  to see **Analysis** and **Answers**.

➤ **Featured Diagrams**

Contain diagrams on different topics such as “The Universe”, “Earth’s Rocks”, “Air Pollution”, “Chemical Reactions” and “Unity”.

➤ **Featured People**

Provide biographies of selected famous scientists. Users can click on the lists of leading computer scientists, astrophysicists, inventors, engineers, environmentalists, American women scientists, astronauts and mathematicians. Each list includes dates of birth and death, a brief description of the person’s achievements, and a link to relevant search results.

BROWSE RESOURCES

- Browse from the list of learning materials by clicking a category, such as:
 - Diagrams
 - Experiments
 - Tables and Data
 - Timelines
 - Topics A to Z
 - Videos and Animations
- Click one of the special issues and a list of relevant resources will be shown.

TOPIC CENTRES

Contain the most researched science topics, including biology, chemistry, computer science, earth science, environmental science, marine science, space and astronomy, and physics. Each topic includes a series of editor-selected overview articles, suggested keyword searches, key videos and animations, printable experiments, diagrams, key tables and data, and a comprehensive topic timeline.

SCIENCE IN THE NEWS

Feature new stories from the award-winning collection of articles that compose Today’s Science.

AVAILABLE AT 使用地點

All libraries of the Hong Kong Public Libraries (except mobile libraries).

所有香港公共圖書館（流動圖書館除外）。

REMOTE ACCESS 以遙距登入方式閱覽資料庫

Library card-holders of the Hong Kong Public Libraries may access the database remotely via the Internet through the following website.

凡持有香港公共圖書館圖書證的讀者，可透過以下網址，經互聯網以遙距登入方式閱覽本資料庫。

<http://www.hkpl.gov.hk/remotearchive>



ENQUIRIES 查詢

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香港公共圖書館
Hong Kong Public Libraries

Science Online



e-Database User Guide
電子資料庫使用指南