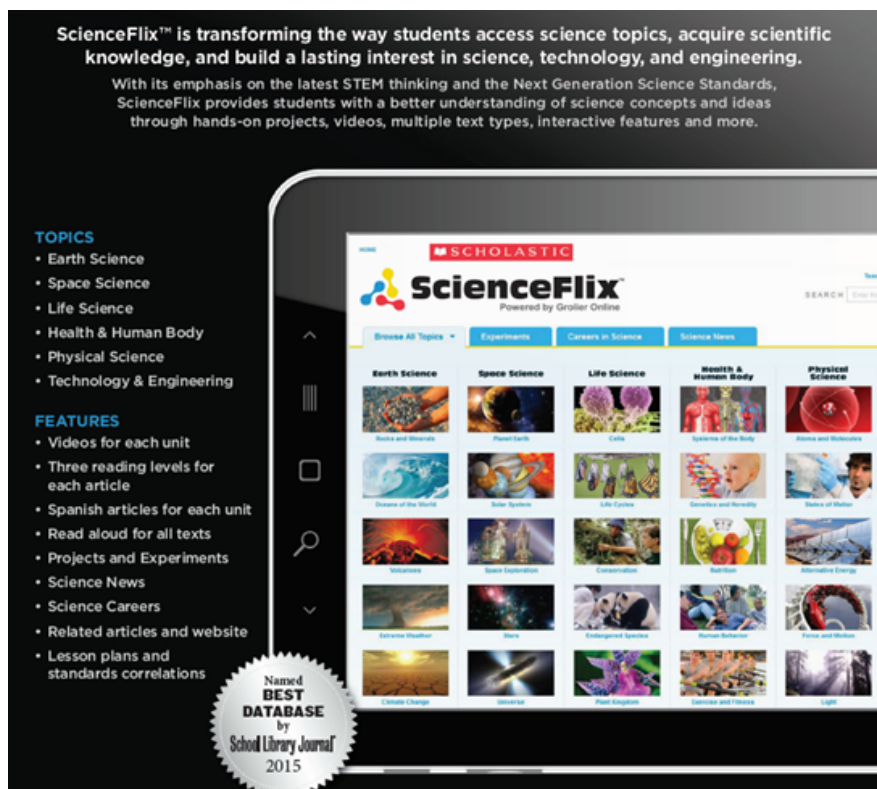


Scholastic ScienceFlix

《科學多媒體電子書》簡介

資料庫介紹：

ScienceFlix®提供師生 **80** 種科學領域,完整的學習單元,涉及六個研究領域:地球科學、太空科學、生命科學、健康與人體、物理科學、技術,數學和工程學。透過新的 STEM 思維和新一代的科學標準,藉由超過 8,000 個與科學相關的數位多媒體教材,使學生對科學概念有更好的了解,獲取科學知識並建立對科學,技術和工程學的持久興趣。



特色：

1. **Reading levels**：含深淺不同,3 種藍思分級(Lexile reading levels)的文章,提供學生選擇、做適性閱讀。
2. **Read-aloud**：開啟語音導讀功能,能將文本逐字逐句朗讀出來,讀到哪裡,字幕就反白到哪裡。
3. **Look up a word**：每一主題頁面,皆含 The American Heritage® Dictionary 線上字典,提供學生即時查找。
4. **Explore More**：可連結『Explore More 參考資源』,鼓勵學生做進一步閱讀與探索。
5. **Related Web Sites**：含 14,000 個與每一主題相關的教育網站,有助於學生進行更深入的研究與理解。
6. **Experiments**：除了 40 類「科學實驗主題」外,另含實驗室安全、實驗技術、實驗報告及 13 個「科學實驗相關的學術教育網站」。學生將學習科學家們,根據科學原理所制定想法,進行實驗與測試,也和同儕分享他們的發現。
7. **Science News**：科技新聞報導含學習指南(Study guides)和創客空間活動(MakerSpace)的想法。

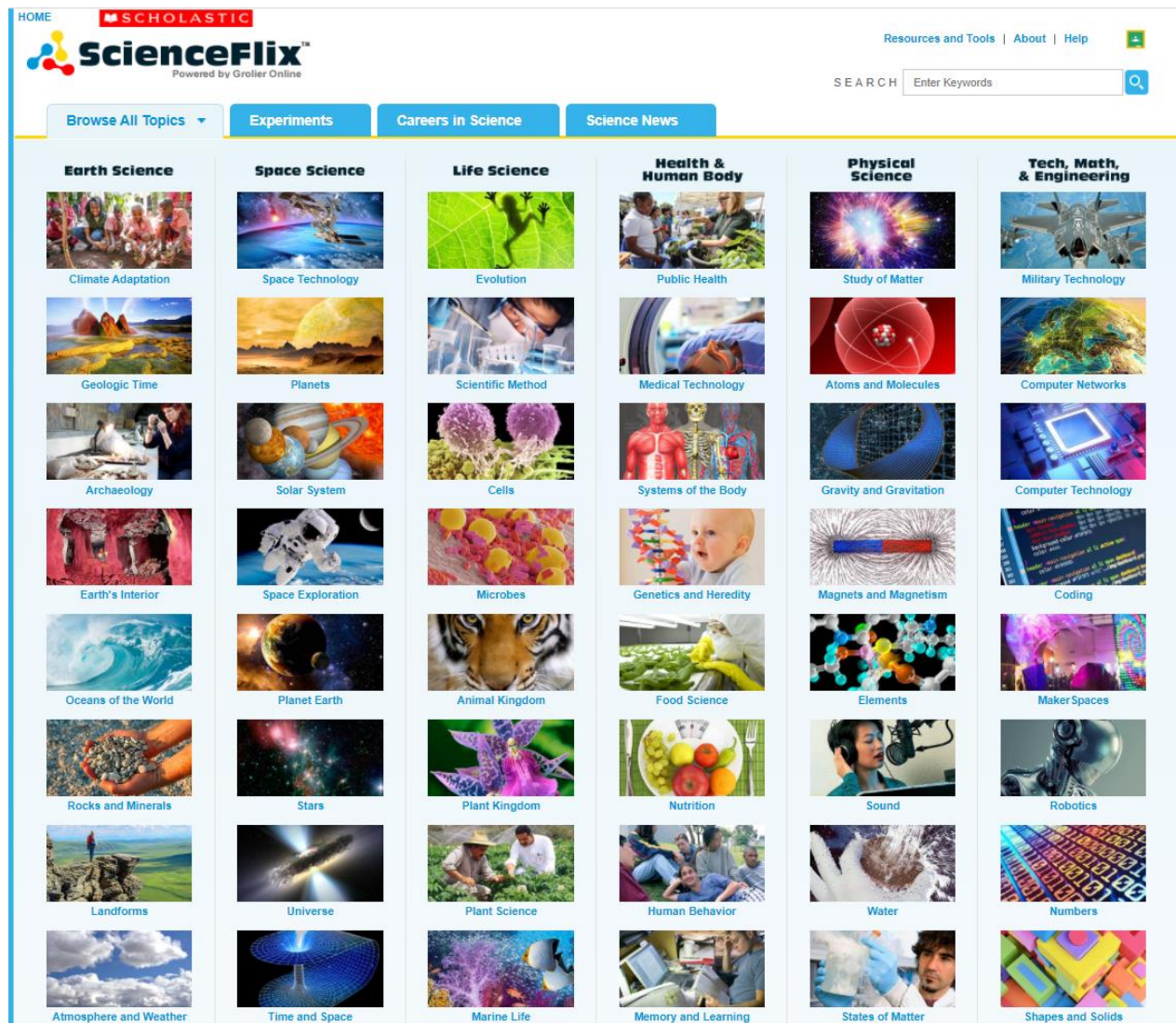


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[Careers](#) 職涯評估

觀看影片

How can individuals, communities, and organizations keep people healthy and safe?

Watch It!



Read It!



Public health is the organized efforts of a society to protect and improve the health of its members. There are a wide variety of programs in place to improve health by preventing disease and injury, and by promoting healthy behaviors. [Read more...](#)


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Keeping Communities Healthy



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- [Food Safety](#)
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Unit: MakerSpaces

得檢索結果13筆

Found 13 Result(s) for: MakerSpaces

Sort by: Relevance

| Article Title | Lexile |
|--|--------|
| MakerSpaces ScienceFlix When a fire drill sounds, exit routes light up on a scale model of a school. | 770 |
| MakerSpaces ScienceFlix A robot built from locking blocks with an extendable sponge rolls in to mop up a spill on a classroom floor. | 1160 |
| MakerSpaces ScienceFlix Across the country, thousands of students and adults have used MakerSpaces to bring their ideas to life. | 960 |
| HackerSpaces ScienceFlix People who stop by NYC Resistor might see any of a number of exciting sights. | 780 |

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What Do You Think? 科學探究 (你認為)
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MakerSpaces

A robot built from locking blocks with an extendable sponge rolls in to mop up a spill on a classroom floor. A video display shows spirograph patterns—when you choose one, an arm pours pancake mix onto a hot griddle in the shape you selected. A scale model of a school suddenly lights up, displaying the paths students should follow to the exits during an emergency drill. These are just a few of the thousands of projects created by students and adults in MakerSpaces around the world.



What Is a MakerSpace?

MakerSpaces are community workshops in which participants come together to conceive, plan, and create projects of all kinds. Perhaps most importantly, these workshops provide their visitors with the tools, materials, and space necessary for several types of projects. Woodworking supplies, 3-D printers, and soldering equipment are some examples of what can be found in a MakerSpace. And when makers congregate in these spaces, they share more than tools. They also exchange knowledge, such as how to operate a printing press or a better way to attach a wing to an ultralight glider. Two makers working together

“look up a word (即時查找字典)”

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MakerSpaces

A robot built from locking blocks with an extendable sponge rolls in to mop up a spill on a classroom floor. A video display shows spirograph patterns—when you choose one, an arm pours pancake mix onto a hot griddle in the shape you selected. A scale model of a school suddenly lights up, displaying the paths students should follow to the exits during an emergency drill. These are just a few of the thousands of projects created by students and adults in MakerSpace.



Grolier Online Dictionary - Google Chrome

goservice.prod.micro.scholastic.com/dictionary/sfx/AHD5CAPI/lookup/AHD5CAPI/pancake

Dictionaries

☒ The American Heritage® Dictionary of the English Language, Fifth Edition

Enter word or phrase:

LOOK UP

 **pancake**
noun
A thin cake made of batter that is poured onto a hot greased surface and cooked on both sides until brown. Also called *flannel cake*, *flapjack*, *griddlecake*, *hotcake*; also called regionally *battercake*.

verb **pancaked, pancaking, pancakes**

verb transitive
To cause (an aircraft) to make a pancake landing.

verb intransitive
1. To make a pancake landing.
2. To fall flat to the ground with great force, especially to

Explore More (參考資源)

The image shows a screenshot of the ScienceFlix website, which is powered by Grolier Online. The website has a blue and white color scheme. At the top, there is a navigation bar with links for 'Resources and Tools', 'About', and 'Help'. Below this is a search bar with the text 'Enter Keywords'. The main content area is divided into two columns. The left column contains a list of links: 'Watch It', 'Read It', 'Dive Deeper', 'Explore More' (highlighted with a red box), 'Related Web Sites', 'Science Lab', 'What Do You Think?', 'Show What You Know', and 'Careers'. The right column is titled 'Explore More' and contains two sections: 'MakerSpaces' and 'MakerSpace Learning'. The 'MakerSpaces' section lists several topics with their Lexile levels: 'Craft' [Lexile 1380], 'Creativity' [Lexile 1150] (highlighted with a red box), 'Hobbies' [Lexile 940], 'Invention' [Lexile 1080], 'Library' [Lexile 1040], 'Science Fairs and Projects' [Lexile 1110], 'STEM Education' [Lexile 1190], and 'Technology' [Lexile 1000]. The 'MakerSpace Learning' section lists 'Education' [Lexile 1070] and 'Elementary Education' [Lexile 1200]. At the bottom of the page, there is a footer with links for 'Turn Read Aloud On', 'Correlations', 'Look Up a Word', 'Email', and 'Print'. The page number 'Lexile: 1150' is also displayed in the bottom right corner.

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Creativity

Creativity operates on many levels—social, cultural, and individual. It is critical for societal evolution, cultural development, innovation, and technological progress. It has also been involved in maintaining societal health. On the individual level, creativity contributes to learning and development, insight and problem solving, and of course artistic self-expression. Creativity is not easy to define in a precise manner, however—maybe because it takes such diverse forms. It also varies among domains (for example, music, mathematics, and the language arts). A definition of creativity must therefore provide some latitude. Creative activity even varies within a specific domain—for example, there are different kinds of art and different kinds of musical instruments. Creativity always involves originality, which means that it tends to

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Related Web Sites

[100+ Makerspace Products & Materials w/ Supply List](#)
From Makerspaces.com, an illustrated, printable list of makerspace materials and supplies.
<https://www.makerspaces.com/makerspace%2Dmaterials%2Dsupply%2Dlist/>

7 THINGS YOU SHOULD KNOW ABOUT MAKERSPACES
What a maker space (or hackerspace) is, how it works, and how it all started. From the EDUCAUSE Learning Initiative. A downloadable PDF brochure.
<https://library.educause.edu/%2Dmedia%2Dfiles%2Dlibrary%2D2013%2F4%2Feli7095%2Dpdf.pdf>

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Arduino, affordable
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A guide to maker fa
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The 4 Flavors of M

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**Makerspace Materials**

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FREE Makerspace Supply List - PDF Format

One of the most common questions we get is in regards to buying makerspace

FREE Makerspace Info Bundle
Projects Resources Supply List Ideas
Get The Bundle!

Popular Posts
What is a Makerspace? [Intro]

Experiments (實驗主題)

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Experiments
Scientists conduct experiments to prove or disprove concepts. Experiments are carried out via the scientific method, a process that can be used with the techniques, instruments, and methodologies of virtually any scientific discipline. [Read more...](#)

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Column Comparison
Cooking with the Sun

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3-D Printing in a MakerSpace

Step into a MakerSpace and you will find a world of possibilities at your fingertips. These community workshops are stocked with making materials—these can include anything from old-fashioned knitting and sewing supplies to high-tech electronics. Makers get hands-on experience—and receive guidance—on equipment that they may never have been able to use on their own.

Observation

One piece of equipment you will probably see in your local MakerSpace is a 3-D printer. Not that long ago, you could only find these devices in the industrial setting. Today, just about anyone can use one at their local MakerSpace, library, or school. Makers use computer-aided design (CAD) software to create a virtual version of what they would like to print. The software permits users to manipulate the design easily. The design is sent to a 3-D printer, where it is printed out, layer by layer.

+ Credits

Careers in Science (各類科技職業生涯)

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Careers in Science

The world of science is vast, growing, and always changing. For students interested in a career in science, the sky's the limit. [Read more...](#)



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Resources

Careers to Explore

- Botany
- Chemistry
- Civil Engineering
- Climatology
- Communication Tech**
- Computer Science
- Conservation Science

Web Sites

General Career Information:

[Career Cornerstone Center — Degree Fields](#)

Wealth of resources on over 180 STEM careers, arranged A-Z and by category—science (physical sciences and geosciences), technology, engineering, mathematics, computing, health care, and medicine. Includes education requirements, precollege preparation advice, and career planning materials. (Career Cornerstone Center is a Massachusetts-based educational nonprofit.)

[Browse Web Sites by career area](#)

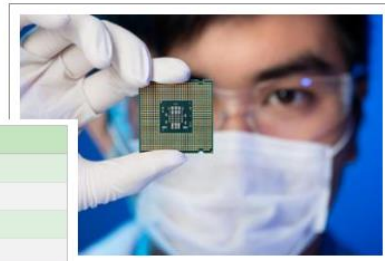
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Careers in Science

Communication Tech

Early forms of communication were limited to smoke signals, drums, and bonfires. Things have changed a bit since then! Today, cell phones, e-mail accounts, and social networking sites enable us to connect worldwide in an instant! And who makes this feat possible? The people who work in the field of communications.



| Quick Facts: Careers in Communications | |
|---|-------------------------------------|
| 2015 Median Pay | \$41,780 per year; \$20.09 per hour |
| Entry-Level Education | High-school degree or certification |
| Work Experience in a Related Occupation | Not required |
| On-the-job Training | Short-term on-the-job training |
| Number of Jobs, 2014 | 117,200 |
| Job Outlook, 2014–24 | 7% growth |
| Employment Change, 2014–24 | 7,700 |

networks are critical for communication in works. And where would anyone be without ions.

With such a range of jobs in this field, it is no surprise that the pay scale varies as well. Broadcasters and sound engineers are at the low end of the

Science News (科技新聞)

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Summer Science Reading

Summer is a great time to curl up with a good book from your local library.


[Study Guide](#)

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SPACE SCIENCE

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Skywatch March 2021 (03/01/2021)

Skywatch February 2021 (02/01/2021)

Skywatch January 2021 (01/01/2021)

Skywatch December 2020 (12/01/2020)

Science Q&A: Life Cycle of Stars (09/01/2020)

LIFE SCIENCE

Canine Compass? (05/01/2021)

Six Senses (04/01/2021)

Wild Patients (02/01/2021)

Winter Wonders (12/01/2020)

Should You Clone Your Dog? (11/01/2020)

HEALTH & HUMAN BODY

Your Brain on Music (11/01/2020)

The Future of Meat? (10/01/2020)

PHYSICAL SCIENCE

Science Q&A: Soft Drinks (05/01/2021)

Science Q&A: Ice-Cold Water (01/01/2021)

Extreme Candy (10/01/2020)


TECH, MATH, & ENGINEERING

Animal ID (01/01/2021)

Winter Wonders (09/01/2020)

Summer Science Reading





Teens Reading

Teens enjoy some light reading on a summer day.

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Summer is always a great time to curl up with a good book. This summer's books cover a wide range of topics, from invasive species to butterfly communication to underappreciated female scientists.


Earth Science

A Furious Sky: The Five-Hundred-Year History of America's Hurricanes, by Eric Jay Dolin. (New York: Liveright, 2020. 415 pp., illus.) A look at nature's power and science's attempt to deal with hurricanes past and future.

Fathoms: The World in the Whale, by Rebecca Giggis. (New York: Simon & Schuster, 2020. 352 pp.) A masterful examination of the natural world of our evolving planet at a time of enormous challenges.

Footprints: In Search of Future Fossils, by David Farrar. (New York: Farrar, Straus & Giroux, 2020. 320 pp.)


06.23.2021



Courtesy of Lily Hevesh/Hevesh5

Domino Designer

An artist uses physics to create amazing domino displays.



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Skywatch June, July, and August 2021

The Milky Way and the Perseid meteor shower are among the celestial sights on tap for the summer months.