

International Curriculum Catalog

2020-2021



CAVES BOOKS

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(*) digital only [†]CEFR 分級 ^{††}KS – Key Stage

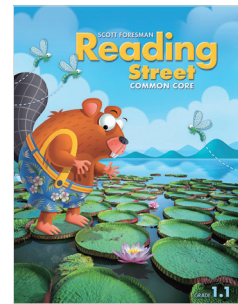
Reading Street 2016

Grades K~6 ▶ Pearson Education

Reading Street Common Core, Global Edition ©2016 inspires you, guides you, and prepares you to teach. Every lesson is finely tuned to teach the Common Core State Standards (CCSS). It will validate your current practices, spark new insights, and nurture your love of teaching.

- ▶ Full support for the Common Core State Standards make the increased expectations achievable.
- ▶ Reading Street Sleuth develops reading detectives and adds to the breadth of lovable literary and informational texts.
- ▶ Writing to Sources encourages students to dig deeper and write with text-based evidence. Students will write to a text, compare texts, and write across texts using all three modes of writing.
- ▶ Online access to incredible teaching and learning resources, anytime, anywhere, using the powerful new Realize platform.

- ▶ **Reading Street Common Core**, Global Edition ©2016 將教學配件和教學指引做調整，強化與美國《各州共同核心標準》的關聯性，為師生搭起英語學習的穩固鷹架。
- ▶ 全系列分 Grades K~6 七個級數，Grades K & 1 每級六本課本，Grades 2~6 每級兩本課本。Grades K~3 以故事為主，之後級數增加文章的比例，培養跨學科能力。
- ▶ Reading Street Sleuth 帶領學生像偵探，在不同的文本中找尋句裡行間的蛛絲馬跡、討論文意並偵緝結案。
- ▶ Writing to Sources 依美國《各州共同核心標準》建議，循序介紹不同的寫作文體，同步提升學生的閱讀及寫作能力。
- ▶ Pearson Realize 平台打造新的學習體驗，使教與學不再受時空限制。



For students

Student Edition
Student DVD-ROM (Gr. 1~6)
Reader's & Writer's Notebook
Writing to Sources
Reading Street Sleuth (Gr. 1~6)

For teachers

Teacher's Edition
Audio Text CDs (依級數不同，片數不同)
Reader's & Writer's Teacher's Manual



Pearson Realize



Reading Street 2016
Grade 1

教材編寫強調 CCSS 課程綱要所著重的 21 世紀學習技巧。

四大課程 ▶ 引領清晰學習目標

- **Let's Talk About**：以口語討論方式認識主題。
- **Let's Listen for**：訓練 phonemic awareness 並帶入發音和高頻率單字。
- **Let's Write It!**：每單元皆有寫作的訓練，教師手冊中也附有每日額外的寫作練習。
- **Let's Learn It!**：單字、聽力、口說及閱讀流暢度的訓練。

四大面向 ▶ 加強建構單字能力

- 1 **High-Frequency Words**：認識高頻字。
- 2 **Story Words**：精選故事中關鍵字彙，幫助孩子了解故事的意義。
- 3 **Amazing Words**：與主題相關的口語字彙，有時難度會超出原本級數的程度。
- 4 **Academic Words**：增加學生單字的深度與運用。

教學配件完整，方便老師備課使用



- ▶ 每個級數皆搭配兩冊 Reader's and Writer's Notebook 作業本，將聽說讀寫的技巧訓練都整合在同一本中。
- ▶ 教師手冊資料齊全，提供詳細清楚的課程規劃及指引。每單元搭配一本教師手冊，每級數共六本教師手冊。
- ▶ 其他教學配件例如：Teacher's Resource DVD-ROM、Leveled Readers、Decodable Practice Readers、Weekly Test 等，如有需要請洽敦煌書局業務代表。

向下銜接推薦



**Reading Street 2016:
My Skills Buddy**

全美幼兒園適用

Language
Arts

Science

Math

Social
Studies

Test
Preparation

Learning
Resources

New Cornerstone 2019

Grades 1~5 ▶ Pearson Education

- ▶ A 5-level, very-intensive primary course with material for 10+ hours of English per week. A new, improved edition of a popular primary course.
- ▶ It is aligned to the CCSS (Common Core State Standards) and GSE.
- ▶ Three readings per unit from a wide range of genres including informational texts, biographies, and poems, as well as classic and contemporary literature.
- ▶ New Cornerstone is a flexible reading and language development program that accelerates student achievement through scaffolded, sustained instruction and language development strategies.
- ▶ It helps gain the highest level of language proficiency and academic success.

- ▶ 全套五冊，適合每週十小時以上的密集課程。
- ▶ 符合美國《各州共同核心標準》CCSS 和《全球英語水平測試標準》GSE 的課程設計。
- ▶ 每單元皆搭配三篇與主題相關的閱讀內容，包含信息文本、傳記、詩歌及經典和當代文學等不同文體，三階段閱讀養成計劃，培養學生獨立思考能力及奠定良好閱讀技巧。
- ▶ 多元主題的閱讀和語言發展計劃，通過課程框架，以及按部就班的活動練習，發展語言學習及學習的興趣。
- ▶ 可向上銜接 *New Keystone 2019*，建立完整美國學校系統課程。



For students

Student Edition with Digital Resources*

Workbook

Picture Cards (Gr. 1~2)

* Gr.1 提供 A/B 分冊版

For teachers

Teacher's Edition with Digital Resources

Teacher's Resource Book

Assessment

Picture Cards

Posters

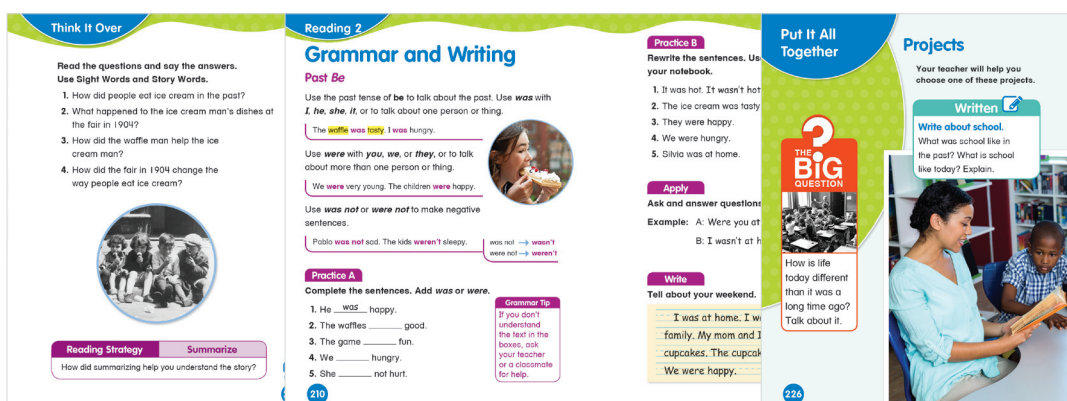
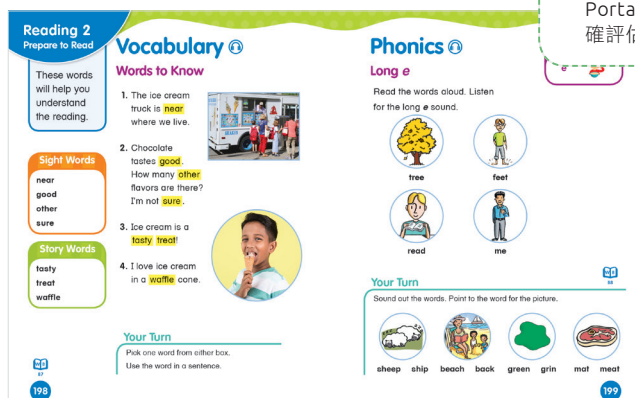


Pearson English Portal



FEATURES

- 35% new content with a global focus: 35% 內容更新，以全新全球視野出發的主題式閱讀，培養世界公民素養。
- Brand new videos exploring the Big Question: 全新內容的教學影片，鼓勵學生在各單元中探索 Big Question。
- Activities aligned to the GSE: 課程活動設計對應「全球英語水平測試標準」的國際基準。
- Simplified grammar presentation and practice: 淺顯易懂的文法課程設計。
- Brand new engaging design: 全新改版的照片及設計，更吸引學生目光。
- Updates Examview on Pearson English Portal: 教學資源數位化，更新 Examview，準確評估學習成效。



Common Core Progress

English Language Arts 2014

Grades K~8 ▶ Sadlier School

- ▶ The series is a K~8 supplemental series for 100% coverage of the four strands of the Common Core State ELA Standards, with units organized by the Common Core State Standards (CCSS).
- ▶ Promotes mastery through engaging content, solid instruction, and ample additional practice.
- ▶ Strengthens any core program for complete coverage of the Standards.
- ▶ A variety of assessment formats, in print and online, provides a comprehensive assessment plan to monitor progress toward the Common Core State Standards.

- ▶ 美國當地小學優選教科書教材，編寫符合美國《各州共同核心標準》，讓台灣孩子與美國小學生同步學習。
- ▶ 全套從 Grade K~8 共九個級數，每一冊 11 個單元，強調課程發展的一貫性。
- ▶ 提供學生一系列精確、連貫共通的學習內容，培養高層次思維及問題解決能力。
- ▶ 嚴謹的課程內容，讓學生能建構聽讀寫的能力，以及深入分析的技巧。
- ▶ 可向下銜接 *Common Core Progress* Grade K：適合全美幼兒園或全美小學入門班使用，強調幼兒學前的 Phonics、Literacy 能力。



For students

Student Edition
Benchmark Assessments
(Gr. 1~8)

For teachers

Teacher's Edition
Benchmark Assessments
Teacher's Edition (Gr. 1~8)

Language Arts

Science

Math

Social Studies

Test Preparation

Learning Resources

Introducing UNIT 1

In this unit, you will read stories about how characters learn that they are special. Authors include details in a story to make it more interesting. You can use those details to retell a story. When you retell a story, you tell about the characters, the setting, and story events. You tell the story your way!

Progress Check Can I?

- ☐ Ask and answer questions about story details.
- ☐ Retell a story.
- ☐ Describe characters, setting, and events.
- ☐ Use what I learn to read new words.
- ☐ Connect word meanings to real life.
- ☐ Use word clues in sentences to figure out new words.

Unit 1 • Reading Literature: Key Ideas and Details 9

HOME CONNECT...

IN THIS UNIT, YOUR CHILD WILL:

- Ask and answer questions to show understanding of key details in a text.
- Make text-to-text, text-to-self, and text-to-world connections.
- Retell stories.
- Describe characters, setting, and important events in a story.
- Read words with consonant blends, such as stop and nest.
- Read words with short vowels.
- Apply the meanings of words to real life.
- Use context clues to figure out a word's meaning.
- Compare and contrast three different stories on the same topic: an animal fantasy, a fable, and realistic fiction.

NOTE: All of these learning goals for your child are based on the Grade 1 Common Core State Standards for English Language Arts.

WAYS TO HELP YOUR CHILD

Talk to your child about stories that you read together. Ask: "What happens in the story?" "Who are the characters?" "Where does the story take place?" Then have your child retell the story and tell the central message. Model how to make connections by telling how you would act or feel if you were a character in the story. Encourage your child to make connections on his or her own.

Conversation Starters: Ask your child to share his or her favorite sentence or story character and tell what he or she likes best about that character. Then ask your child questions that will encourage him or her to describe what the character does and says. For example, ask your child, "What does the character do when trouble comes?" or "What does the character say at the end?"

Unit 1 • Reading Literature: Key Ideas and Details 10

Reading Literature: Key Ideas and Details UNIT 1

Essential Question: How do the details of a story work together?

Read Aloud:

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- Building Fluency 16
- Describing Story Elements 22
- Foundational Skills Read Together 26
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- Foundational Skills Reader 2 29
- Class Reading 31
- Connect Across Texts 35
- Language: Word Meanings 36
- Common Core Review 37

Unit 1 • Reading Literature: Key Ideas and Details 11

Read Aloud

Listen to the poem. Pay attention to key details about the characters.

Which details tell what Dorie wants to do? Which detail tells what she decides at the end?

I Want to Be

Unit 1 • Reading Literature: Key Ideas and Details 12

Understanding Key Details

Bunny's Talent (Genre: Animal Fantasy)

Words to Know

talent toward

- Bunny likes his friends. Each friend has a **talent**. Each one can do something well. Squirrel can run up a tree. He jumps from branch to branch!
- Robin can fly. He flaps his wings and takes off. He glides above the trees. He dives to the ground. Robin is good at flying.
- Bear can catch fish. She puts her paw in the water. Then she grabs a fish. She eats it for dinner. Bear has a great skill.
- Bunny cannot climb a tree. He cannot fly. He cannot catch a fish. He thinks and thinks. What talent does he have? What can he do well?

Guided Instruction

Teacher Talks: Find Evidence

Readers can find key details are important pieces of information in a text. Readers can ask and answer questions. You ask: Who? What? When? Where? Why? How? Circle each animal's name in paragraphs 1-3.

Unit 1 • Reading Literature: Key Ideas and Details 13

Unit 1 Common Core Review

Read along with the following story.

Frog's Wings

- Frog and Bird are alike. They both eat bugs at the pond. But Bird can fly. Frog cannot.
- One day, Frog tries to fly. He makes wings. He puts them on. He flaps and hops. One wing falls. Then Frog falls. He lands on the ground. "Help me!" Frog cries.
- "Rest, my friend," Bird says. "You just cannot fly."
- Now Frog will hop and snap up bugs.

Fill in the circle of the correct answer choice.

1. Which story word has the same vowel sound as the word on?

- ☐ bugs
- ☐ goes
- ☐ hop

Unit 1 • Reading Literature: Key Ideas and Details 37

多樣的閱讀文章培養閱讀技巧，並搭配各式題型，做單元末總複習。



Big Science

A1~B1 ▶ Pearson Education

- ▶ **Big Science** is a 6-level, communicative, inquiry-based science course for Primary English Language Learners.
- ▶ Students will learn to see and understand the world in new ways. They will ask questions, gather information, test ideas, and record their findings.
- ▶ Students learn essential skills for success in school and future life - critical thinking, collaboration, communication and self-direction.
- ▶ Uses the 5E teaching sequence encouraging learners to discover new ideas, test what they mean and evaluate their understanding of concepts.
- ▶ Combines a rich variety of content (print, audio, video) with inquiry-based activities, ensuring students are engaged and motivated.

- ▶ 本系列共六冊，每冊共九個單元，書末附各單元重要科學詞彙表。
- ▶ 課程中具備充足的口語討論、圖表運用及整理研究問題的寫作活動，科學讓英語學習充滿意義與能量！
- ▶ 課程跨越四大學科：物理、生物科學、地球與太空科學及工程科學與科技。
- ▶ 課程以「5E 建構式學習環」教學模式設計，有效協助學生發展其思考、探索及創造的能力。
- ▶ 課程編排結合自學理論與批判性思考，先以提問了解學習目標開始，搭配不斷出現的「Think!」及多元的小實驗並延伸環保概念，培養英語學習的 21 世紀關鍵能力。



For students
Student Book
Workbook

For teachers
Teacher's Book
Active Teach
Picture Cards*
Class Audio CDs**
Posters

* 閃示卡為單面全彩印刷且單字與圖片同一面。
**L1~L3 為一片，L4 為兩片，L5~L6 為三片。

每單元以一個 Big Question 展開，藉由認識字彙、閱讀活動開始進行主題探索。

Unit 3 Living and Nonliving Things

What can you say about living things?

1 Circle the thing that can move on its own.

2 How are the animals alike? Say with a partner.

3 How are the plants alike and different? Say as a class.

Think! Is the teddy bear a living thing?

Lesson 1 • What are living and nonliving things?

Key Words

- living
- nonliving
- grow
- move
- need

I will learn

- about living and nonliving things.
- what living things need.
- how animals are alike and different.
- how plants are alike and different.

1 Read. Circle three living things in the picture.

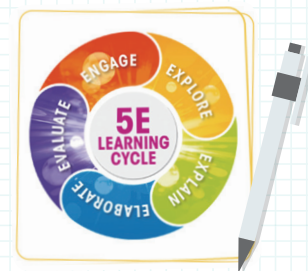
Living Things
Living things **grow**. They get bigger. Living things change. Plants and animals are living things. You are a living thing, too.

2 Read again. Underline two living things with a partner.

3 Look around the classroom. Point to some living things.

4 Look at the pictures. Which is the baby? Which is the parent? Does the baby lion grow? Say with a partner.

Let's Explore! Lab Unit 3 29



5E 建構式學習環

Engage 投入
Explore 探索
Explain 解釋
Elaborate 精緻化
Evaluate 評鑑

英語能力透過自然科學 5E 教學流程提升溝通力與流暢度；學習過程中培養 21 世紀關鍵能力、媒體素養、自我導向學習能力等新世代所需的生存力。

7 Read. Look at the pictures. Circle the nonliving things.

Nonliving Things
Nonliving things do not grow. Nonliving things do not change. Nonliving things cannot **move** on their own. A car is a nonliving thing. A toy is a nonliving thing.

8 Look around the classroom. Point to three nonliving things with a partner.

9 Does a teddy bear grow? Read and trace.

No. A teddy bear is **nonliving**.

Flash Lab
Living and Nonliving Things
Go outside with the class. Point to and say three living things. Point to and say three nonliving things.

Lesson 1 Check Unit 3

Materials

- sheets of white paper
- pencil

Let's Investigate!
How are animals and plants different?

- Look at the animals.
- Compare them.
- Look at the plants.
- Compare them.

dog	bird
tree	daisy

Unit 3 Review

What can you say about living things?

Lesson 1
What are living and nonliving things?
1 Is the girl a living thing? Say. Match the girl to the things she needs.

Lesson 2
How are animals alike and different?
2 How are the animals alike? Circle.
a) They have fur.
b) They have wings.
c) They can fly.

Lesson 3
How are plants alike and different?
3 Answer T (true) or F (false).
a) Plants that have trunks cannot be in a group. T / F
b) All plants are the same. T / F
c) Plants that have flowers can be in a group. T / F

Get It? Quiz Get It? Self Assessment Unit 3 39

Big Science
Book 1

由閱讀開啟知識面學習、思考、課程小實驗、活動與討論，最後進入單元科學實驗。

Language
Arts

Science

Math

Social
Studies

Test
Preparation

Learning
Resources

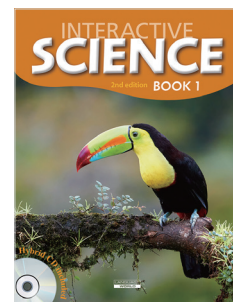
Interactive Science (Second Edition)

A1~A2 ▶ Language World

Interactive Science is a science series, designed to build literacy through science content in primary grades. The series contains carefully selected topics based on student ages, learning abilities, and interests, and takes into account their specific needs.

- ▶ Key science topics in Life Science, Physical Science, Earth/Space Science, and Technology and Society.
- ▶ Emphasize the nature of science and make connections among science, technology, and society with high-interest and real-world content.
- ▶ Motivate students with hands-on activities that inspire students to explore science on their own and to share their own ideas and experiences.
- ▶ Support all levels of students with content-related video clips, e-books, and many more activities on Hybrid CDs.

- ▶ **Interactive Science Series** 是一套符合美國小學科學課綱的跨學科閱讀教材。
- ▶ 此系列共三冊，一冊共有四個科學類主題，一個主題下有五個單元，一個科學活動及主題複習。
- ▶ 每一冊將主題分為 Life Science、Physical Science、Earth/Space Science、Technology and Society 四大主題。每一主題藉由五個小單元做漸進式的探討。三冊下來，經由對四大主題的不斷拓展，讓學生在主題架構下，詞彙及科學知識得到系統化的成長。
- ▶ 透過 HybridCD 中的 eBook 互動教學活動讓學習自然及英文閱讀寫作變得更生動有趣。
- ▶ 本系列提供教學資源如課本解答、每單元學習單及解答、課程大綱、期中 / 期末考題，請洽敦煌書局業務代表。



For students
Student Book + Hybrid CD

UNIT 01 Living Things

What Is a Living Thing?
A plant is a **living thing**.
An animal is a living thing. You are a living thing.

How Do Animals Move?
Animals **move** in many ways. They move to find food. They move to keep **safe**.

KEY WORDS
living thing plants, animals, and humans
move to go from one place to another
safe free from danger

Think!
1 What are living things around us?
2 Divide the things into living things and non-living things.

How do plants get food?
They use sunlight, water, and carbon dioxide(CO₂) to make their own food.

CHECK Your Understanding

Answer the questions.

1 What is the main idea of the story?
☐ plants
☐ animals
☐ living things

2 Which is a living thing?
☐ ☐ ☐

3 Which is true about living things?
☐ Plants move in many ways.
☐ An animal is a living thing.
☐ Animals move only to keep safe.

4 How do animals find food?
☐ by playing
☐ by moving
☐ by sleeping

Vocabulary

Match the words with their meanings.

1 safe • ☐ plants, animals, and humans that are alive
 2 living thing • ☐ to go from one place to another
 3 move • ☐ free from danger

CRITICAL THINKING

Divide the things into living things and non-living things. Write them in the correct places and add your own words.

Living thing	Non-living thing

pencil rabbit tree table

SCIENCE ACTIVITY

How Does a Plant Grow?

Objective
In this activity, you will find out about how a seed becomes a plant.

Materials
☐ 2 paper towels
☐ small, clear cup
☐ bean seed
☐ water
☐ yarn
☐ ruler

Procedure
 1 Fold a paper towel and place it around the inside of the cup.
 2 Make the second paper towel into a ball, and place it inside the cup to fill the space.
 3 Place the bean seed about 3 cm from the top of the cup, between the paper towel lining and the cup's side.

4 Pour water into the cup to soak the paper towels completely.
 5 Set the cup in a warm place, and leave it there for five days. Be sure to keep the paper towels moist.
 6 Use the hand lens to observe the seeds daily for five days. Measure the growth of the roots and shoots with the yarn. Use the ruler to measure the yarn. Record your observations on your chart like the one below.

	Day 1	Day 2	Day 3
How a Seed Looks			

Draw Conclusions
What are the stages in the change of a bean seed?

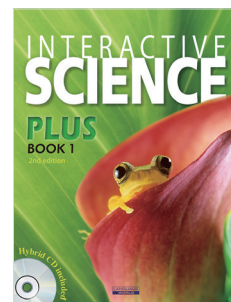
Interactive Science Plus (Second Edition)

A2~B1 ▶ Language World

Interactive Science Plus is an engaging, multimedia science program series. It is designed to increase students' literacy by having them read and learn about science.

- ▶ Students will be interested to learn about carefully selected science topics.
- ▶ Students can build vocabulary knowledge about science through the dictionary definitions and various exercises.
- ▶ Students can improve their critical thinking skills by using the graphic organizers and pictures in the units.
- ▶ Students can watch video clips, read e-books, More Info information, and do various other exciting activities on the hybrid CDs.

- ▶ **Interactive Science Plus** 是一套符合美國小學科學課綱的跨學科閱讀教材。
- ▶ 此系列共三冊，延續 **Interactive Science**，將主題更聚焦在生命科學、物理、地球及太空科學。經由對三個主題的不斷拓展，無論是在主題詞彙及科學知識上都可以得到螺旋式的學習成長。
- ▶ 著重大自然並將自然與科技和社會連結，課程設計強調學生與真實世界生活接軌。
- ▶ 透過 HybridCD 中的 eBook 互動教學活動讓學習自然及英文閱讀寫作變得更生動有趣。
- ▶ 藉由實作活動鼓勵學生探索科學領域，並和同儕分享意見和經驗。
- ▶ 五單元一複習，練習題型涵蓋閱讀、聽力、寫作與口說，讓學生了解自己各個技巧的學習進度和對於該主題下的科學知識理解程度。
- ▶ 本系列提供教學資源如課本解答、每單元學習單及解答、課程大綱、期中 / 期末考題，請洽敦煌書局業務代表。



For students
Student Book + Hybrid CD

Language
Arts

Science

Math

Social
Studies

Test
Preparation

Learning
Resources

LIFE SCIENCE
01
UNIT

A Home for All

What Is a Biome?

Scientists sometimes call Earth Biosphere 1. Our biosphere is divided into **biomes**. Biomes are very large areas that have **particular** kinds of plants and animals. Some biomes are hot, others are cold. Some are wet, others are dry. Biomes on land are mostly **determined by climate**. Earth's biomes can be classified into five major groups – **aquatic** biomes, deserts, forests, grasslands, and tundra.

What Is a Habitat?

There are many different, smaller homes within a biome. Some animals live in the tops of trees. Others live **underground**. Some animals live in tidal pools. Others roam mountainsides. The special place in which an animal lives is called its **habitat**. Most habitats contain a variety of plant and animal life.

VISUAL THINKING

There are many different habitats within a biome. Look and fill in the blanks using the word box.

Earth's Biomes

Starfish live in _____	Moles live _____	Koalas live in _____
the tops of trees	tidal pools	underground

SUMMARY

Listen and write the words.

Main Idea The Earth's biosphere is divided into _____, which contain many different _____.

Details

- Biomes on land are mostly determined by _____.
- Earth's biomes can be _____ into five major groups.
- There are many _____ habitats within a biome.

UNITS
01-05
REVIEW 1

READING

Read and answer the questions. (1-3)

1 Which sentence best describes the picture?

a. There is only one food chain in the picture.
b. It shows one of Earth's biomes, tundra.
c. There is only one population in the picture.
d. It shows a community.

2 Which sentence does NOT fit in the passage?

Most interactions between plants and animals are complex. A food chain is a simple way of looking at feeding links. **a.** Food webs show how several food chains in an ecosystem are linked. **b.** Food webs can be large. **c.** Food chains are in all of Earth's habitats. **d.** If parts of a food web are removed, populations can get out of balance. Plants or animals can become endangered.

3 Which is NOT one of the human behaviors that destroy Earth's ecosystems?

Humans often upset the delicate balance of Earth's ecosystems. Many wild places are cleared to make way for farmland or cities. Forests are felled for timber and paper. Oceans are overfished, and waterways are polluted by waste from factories.

a. clearing many wild places to make way for cities
b. planting trees to make paper
c. overfishing to make money
d. throwing garbage into rivers

LISTENING

Listen and answer the questions. (4-5)

4 What is the passage mainly about?

a. how animals hibernate during the winter
b. how animals migrate during the winter
c. how animals' body features help them in harsh habitats
d. how animals deal with seasons

5 Which is NOT mentioned in the passage?

a. b. c. d.

WRITING & SPEAKING

Describe the pictures using the word box. Then talk about them. (6-7)

6 The big fish eats _____.

7 Some animals _____.

the bigger fish hibernate a food chain

Exploring Science 2019

Grades K~5 ▶ National Geographic Learning

Developed specifically for the Next Generation Science Standards (NGSS), National Geographic *Exploring Science* covers 100% of the NGSS for Grades K-5 to ensure students are mastering the Performance Expectations. Now with improved 3-Dimensional lesson support, more hands-on activities for students, enhanced assessment opportunities, and our MindTap digital platform including interactivity to support 3D learning.

- ▶ Introduce real-world science practices with National Geographic Explorers, scientists, and photographers
- ▶ Wide variety of lesson types keep students engaged in 3D learning from different perspectives
- ▶ Teacher support for phenomenon-based lessons, assessment, literacy integration, and differentiation to meet all student needs.

▶ 本系列為美國小學 Science 教科書，涵蓋美國 NGSS 新世代科學標準的三大面向：學科核心概念（Disciplinary Core Ideas）、跨領域概念（Crosscutting Concepts）及科學與工程實務（Science and Engineering Practices），幫助學生深入不同學科領域，累積相關知識。

▶ 全系列共六個級數，每級數涵蓋四大科學主題（自然科學、生命科學、地球科學及物理），Grade K 提供 Big Book 版，一主題一冊。

▶ 每冊透過 NG Explorer、Science Career 及 Stories in Science 環節介紹不同的科學家，STEM 環節引導學生設計實驗，My Science Notebook 鼓勵學生設計自己的科學實驗記錄本，最後再以 Check in 環節引導學生檢視學習成果。

▶ MindTap 線上學習平台提供課本 eBook、虛擬實驗室、互動練習及影片。團訂用戶可申請 MindTap 教師帳號，享有考題資源，請洽敦煌書局業務代表。



For students

Student Edition (Gr. 1~5)
Big Book (Gr. K)
Student Edition MindTap*

*Special Order Item, 訂購請洽敦煌書局業務代表。

For teachers

Teacher's Edition



More Info



Real Science. Real World. Right Now.

Investigate

Root Growth

How do roots grow? You have seen how leaves and stems respond, or react, to light. Now you will investigate how roots respond.

Materials

- 1 tape
- 2 plastic cups
- 8 paper towels
- 2 bean seeds
- 1 spoon
- 1 ruler
- 1 water
- 1 clay

- 1 Label the cups. Put seeds and towels in the cups.
- 2 Use the spoon to add water to the paper towels. Do this every other day. Watch for the seeds to sprout. Draw what you see.
- 3 Wait for the roots to grow to 1.5 cm long. Put Cup A on its side. Use the clay to hold the cup in place.
- 4 Water the plants every other day. Observe how the roots grow. Record your observations.

Wrap It Up!

1. How did the roots of the plants grow at first?
2. How did the roots in Cup A change when the cup was on its side?
3. How do roots respond to change in direction? How might this help the plant survive?

STEM

SPACE STATION PROJECT

Research Project: Eating Under Water and in Space

You know that animals use body parts to take in food. How do research projects find out how some underwater animals take in food? Then learn how astronauts eat and drink in space. Astronauts train under water. It is something like being in space. Astronauts get used to eating and drinking in very low gravity.

The Challenge

Find out how an underwater animal gets food. Learn how astronauts eat and drink in space. Then share what you learn.

- 1 **Select a topic.** Choose an animal. It could be a bottom whale, a dolphin, a jellyfish, or a scallop. Research to answer questions: How does this animal find its food? How does it behave or use body parts to eat?
- 2 **Plan and conduct research.** Look for information about the animal. Your teacher will help you find sources. Take notes. Write a list of facts. Then you will learn how astronauts eat and drink in space.
- 3 **Prepare your report.** Make two posters. In one poster, show how the animal you chose finds and eats its food. In the other poster, show how astronauts eat in space. Draw and write captions.
- 4 **Share.** Work with your team. Prepare a presentation. Then share your posters with the class.

Think Like a Scientist

Look for Patterns

Many animal parents help their young survive. Many young animals need food and protection. They also might need help moving from place to place. Look at the pictures. Think about how each shows how parents help their young survive.

Legends

- Leopards
- Polar bears
- Giant pandas

Meroposers

Wrap It Up!

1. Tell what is happening in each of these pictures.
2. How do the parent and young work together to help the young survive?

Science Career

Astronomer

Knicole Colón knew when she was 12 years old that she wanted to study astronomy. An astronomer is a scientist. Astronomers study objects in space. They study the moon and sun. They also study stars and planets. Knicole collects information about stars and planets. She uses tools such as telescopes. Telescopes help her make observations. Knicole thinks there may be other planets like Earth. She hopes that her work will help discover them.

Knicole Colón is an astronomer. She wants to discover new planets that may support living things.

Knicole loves visiting different telescopes. Some are located on tall mountains and in other beautiful places.

Inspire Science

Grades K~12 ▶ McGraw-Hill

Inspire Science helps students build innovative thinking skills by empowering them to explore and learn from our world's amazing natural phenomena in exciting, hands-on ways, and prepare students for a future full of STEM opportunities.

- ▶ Proven and research-driven 5E instructional model enhanced, to align with the demands of the NGSS for three-dimensional, phenomena-driven learning.
- ▶ Our close collaboration with the NGSS writers, and educators just like you has resulted in a tried-and-true approach to NGSS that you'll love.
- ▶ 24/7 professional learning when you need it, with an expansive library of relevant, self-paced, professional learning courses to support implementation, instructional progression and mastery.
- ▶ Open educational resources for high school series offers the opportunity to curate your own content. With our partners such as The Smithsonian, SpongeLab, and PhET you are able to find the resources you need when you need them.

Inspire Science 藉由引領學生從自然現象、手作活動中培養創新思考能力，進而成為新世紀所需 S T E M 人才！

- ▶ 基於研究背書之 5E 教學模式而設計（如下圖），有助實踐 N G S S 課綱中之 3D 教育架構、以及現象式學習
- ▶ 與 N G S S 課綱設計學者及教育工作者緊密合作，共同創作，提供經考驗證明為可信的方案，實踐 N G S S 課程目標，是教師們最有力的後盾
- ▶ 豐富教師資源庫，協助教師以個別步調隨時隨地進行自我專業能力培訓
- ▶ 與 The Smithsonian、SpongeLab、PhET 等權威機構合作，老師可隨時輕鬆取得所需的額外教學資源



5E 建構式學習環

- Engage** 投入
- Explore** 探索
- Explain** 解釋
- Elaborate** 精緻化
- Evaluate** 評鑑



For students

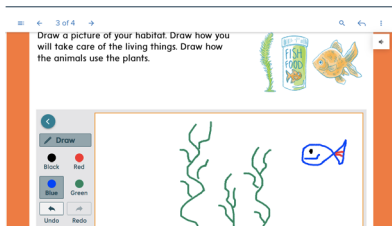
- Student Edition & Inquiry Journal
- Reading Essentials
- Student Digital Center
 - Lesson Videos
 - Biographies & Primary Sources
 - Foldables™
 - Biographies
 - Glossary
 - Audio Student Edition

For teachers

- Teacher Edition
- Answer Keys
- Chapter Tests & Lesson Quizzes
- Teacher Digital Center
 - Correlations to standards
 - Ready-to-go lesson plans
 - Robust reporting system
- eBooks
- Differentiated Instructions
- Lesson videos & ePresentation
- Hands-on Projects & eActivities
- Hundred of Resources
- eAssessments & Assignments
- Professional Development

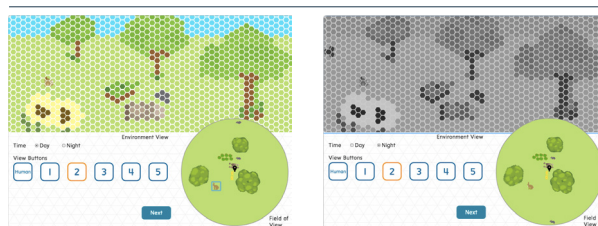
Digital Resource: ConnectED

資料收集與繪圖整理



Example: eActivities- Drawing Tools

模擬實驗

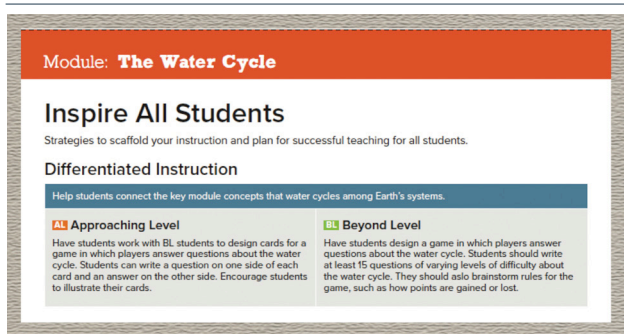


Simulations: How Do Animals See?



More Info

差異化教案



Differentiated Instruction and English Language Support

手作實驗組



Collaboration Kits

Language Arts

Science

Math

Social Studies

Test Preparation

Learning Resources

Glencoe iScience

Grades 6~12 ▶ McGraw-Hill

Glencoe iScience is the most effective, innovative, and inspiring middle school science curriculum that meets both NGSS and local science standards. For educators who would like to leverage technology to drive personalized student success while engaging and motivating students with hands-on, project-based activities and real-world applications, Glencoe iScience is the best partner.

- ▶ With *Glencoe iScience* you are equipped to meet science standards performance, integrate Science and Engineering Practices into science classroom, apply the Disciplinary Core Ideas (DCIs) and correlate the lessons to NGSS.
- ▶ With PBLs you can help students develop problem-solving skills, the understanding and application of engineering design process, 21st century research competency and confidence, motivation, and excitement about science.
- ▶ Use diverse lab activities, like launch labs, minilabs, inquiry labs, virtual labs, to bring science to life.

Glencoe iScience 是一套創新、有效，且能讓學校達到 NGSS 中學階段的標準。對於喜歡善用科技驅動學習動機的老師來說，這是一套結合實體與數位的整合學習方式，巧妙結合自然科學理論、手作活動、以及專案式學習 (PBL) 於生活應用情境，協助教師創造彈性且能客製化的環境，引領學生提升興趣！

- ▶ 藉由 *Glencoe iScience*，可以達到自然科學課綱的要求、結合工程實務於課室、落實應用學科核心構念 (Disciplinary Core Ideas)，與 NGSS 緊緊扣合。
- ▶ 透過專案式學習 (PBL)，可以培養學生問題解決能力、工程科學應用能力、21 世紀核心競爭力，提升學生學習自然科學的信心及動機。
- ▶ 運用多元的實驗活動，如 launch labs、minilabs、inquiry labs、virtual labs 等等，將生活帶進課堂，讓自然科學變得更活潑有趣，透過體驗，讓學習更深化。



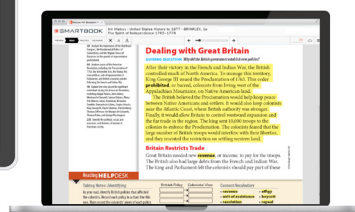
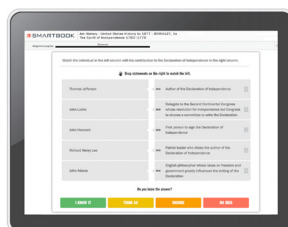
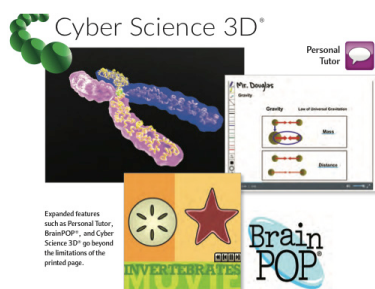
For students

Student Edition & Science Notebooks
Reading Essentials
Student Digital Center
• Lesson Videos
• Audio Student Edition
• eActivities: Personal Tutor, BrainPOP®, Cyber Science 3D®, eAssessment
• SmartBook®

For teachers

Teacher Edition & Science Notebooks
Reading Essentials
Lab Manuals
Answer Keys
Teacher Digital Center
eBooks
Correlations to standards
• Ready-to-go lesson plans
• Robust reporting system
Differentiated Instructions
Lesson videos & ePresentation
Lab Activities
Hundred of Resources
eAssessments & Assignments
Professional Development

Digital Resource: ConnectED



More Info

All *Glencoe iScience* titles come with built-in revolutionary adaptive technology, LearnSmart® + Smartbook.

LearnSmart® determines precisely which learning objectives a student has grasped and provides personalized instruction, practice.

Smartbook® is an adaptive ebook that utilizes LearnSmart® technology to guide students through the interactive challenge format highlights content and helps each student identify content they know, don't know, and are most likely to forget.

Glencoe iScience 全系列皆有適性化學習系統 LearnSmart®，透過個人學習數據精準分析學習者之弱點，並給予客製化的學習引導。

Smartbook 是結合 LearnSmart® 科技的適性化電子書，會依據課文內容重要性及個別學生學習狀況，將課本內容以不同顏色標出，透過閱讀與練習交替的方式蒐集學習數據，循序漸進地引導學生掌握學習內容。

Elevate Science

Grades K-8 ▶ Pearson Education

Exploration and inquiry is at the heart of science. **Elevate Science** is a complete K-8 blended print and digital science program based on the Next Generation Science Standards. **Elevate Science** encourages all students to explore the world around them and take ownership of their own learning. It fuels curiosity and sparks interest, helping students to think like a scientist, so they are ready for a world of discoveries and innovation.

► Elevate Thinking

Encourage students to work like scientists and engineers. Phenomena-based inquiry develops general science ideas through problem solving and creative solutions.

► Elevate Learning

Integrate Scientific and Engineering Practices, Crosscutting Concepts (CCC), and Disciplinary Core Ideas (DCIs). Three-dimensional learning turns young learners into powerful STEM problem solvers.

► Elevate Teaching

Scaffolding, ELD, differentiated instruction, and an improved 5E lesson model provide all the support you need for successful teaching practices.

► Digital Resource

PearsonRealize.com provides easier navigation, bigger type, and child-friendly buttons for young learners. Student avatars make learning fun and age appropriate! Teachers can easily customize curriculum, upload open resources to lessons and access student data.

Elevate Science 是本系列涵蓋美國中小學 K-8 的一套完整性的自然科教材，完美結合紙本與線上學習資源，並根據美國最新科學標準 (NGSS) 編寫的，在課程上是會以現實世界的相關的優秀的人才來引導每個單元，讓學生學習概念不會存在陌生感。另外，科學的核心主要是在探索和探究，這套課程的設計就是希望學生能探索周圍的世界，並自主學習，它激發了人們的好奇心及興趣，讓學生像科學家一樣思考。

• 提升思考力

以最新教育趨勢 Phenomena-Based Learning 為核心概念，設計主題式學習課程，同時結合 STEM 活動培養思考力及解決問題的能力。

• 提升學習力

將科學與工程實務 (Scientific and Engineering Practices)、跨學科概念 (Crosscutting Concepts)、學科核心概念 (Disciplinary Core Ideas) 等三面向的學習融入教學中，強化深度理解及內容應用，讓學習者變成強大的 STEM 問題解決者。

• 提升教學力

提供鷹架支持、英語發展課程 (ELD)、差異化教學，及和 5E 課程模型等資源，協助實踐成功的教學。

• 數位資源

PearsonRealize.com 提供完整線上教學及學習資源。學生介面友善，輕鬆搜尋學習內容，虛擬化身提高學習樂趣。老師可輕易根據需求客製課程，上傳額外的教學資源，並透過 LMS 輕鬆掌握學生學習狀況。



For students

Student Edition
Realize Digital for 1 Year
access

For teachers

Teacher's Edition
Realize Digital for 1 Year
access



More Info



Language
Arts

Science

Math

Social
Studies

Test
Preparation

Learning
Resources

My Math

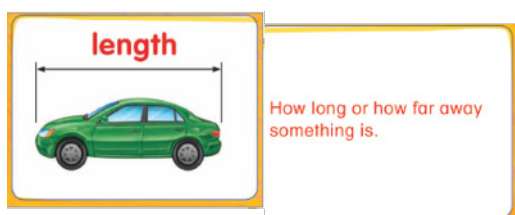
Grades PreK~5 ▶ McGraw-Hill

McGraw-Hill My Math is giving you the **rigor, personalization, and student engagement** you and your students need to be successful with the Standards– and have fun while achieving that success! This completely re-imagined approach to elementary math learning is fully aligned with Standards and Mathematical Practices, so you can focus on what you love most: inspiring a love of learning.

- ▶ **Challenges and engages your students** in a way that inspires them to embrace the power of mathematics through real-world applications and experience just how fun math success can be.



- ▶ Students **communicate mathematically** by beginning each chapter with a hands-on content with visual vocabulary cards, Talk Math opportunities, and Dinah Zike's Foldables right in their own book.



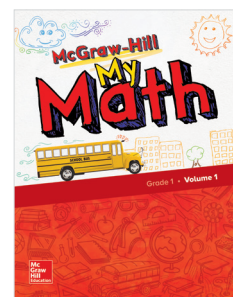
- ▶ You can **optimize, customize, individualize your classroom planning, presentations, and differentiated instruction** for every student.



McGraw Hill My Math 系列是一套依據「重視理解的課程設計 (UbD)」所編寫的課程，帶給學生嚴謹、個人化以及趣味的豐富數學課程。全套書籍與美國 CCSS 課綱緊密連結，從手作活動中尋找數學答案，進而啟發數字分析能力，培養學員對數學的熱愛。

- ▶ **挑戰與啟發學生**：每個單元始於真實生活中數學應用的挑戰任務，啟發學生對生活數學的思考及解決問題的能力，並加入專題式學習法，達到學以致用、快樂中學習的目標。
- ▶ **使用數學概念溝通**：以完成專題式學習為目標，每個章節都從實務操作開始，利用單字卡、數學機智問答以及製作折頁卡 (Foldables) 將數學詞彙導入生活用詞，加強學生對數學的應用。
- ▶ **您可以利用數位平台客製化個人教學步驟以及課堂簡報**，搭配教師手冊中完整教學步驟、以及多樣化的差異性教學資源，為每個學員打造專屬的學習路徑。

Grade 3 以上級數可與 ALEKS 搭配使用



For students

Student Edition (2 volumes)
Geometer's Sketchpad
Visual Vocabulary Cards
Interactive Guide Student Edition for ELL
Online Student Edition
• eBooks
• Lesson Videos
• eActivities
• eAssessments

For teachers

Teacher Edition
Problem Solving Readers
Interactive Guide for ELL
Manipulative Kits
Assessment Master
Online Teacher Edition
• eBooks
• Ready-to-go Lesson Plans
• Differentiated Instructions
• Lesson videos & ePresentation
• Hands-on Projects & eActivities
• Hundred of Resources
• eAssessments & Assignments
• Professional Development



More Info

Arrive Math Booster

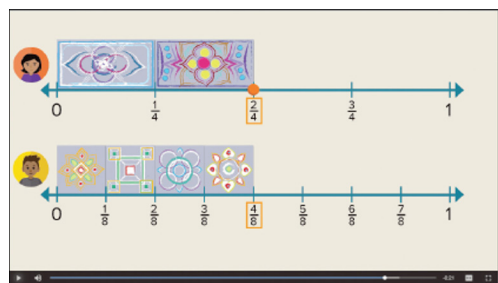
Grades K~8 ▶ McGraw-Hill

The **Arrive Math Booster** can be flexibly used to target any standard from kindergarten through eighth grade. This supplemental intervention program provides teachers with resources to meet every student at their level and provide the appropriate amount of support or challenge they need to be successful.

▶ With **access to multiple grade-level of content in one subscription**, teachers can easily **integrate Arrive Math with any core program and select appropriate resources** to support approaching-level students and extend on-level instruction to challenge gifted and talented students.



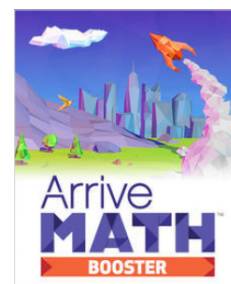
▶ Teachers can **easily assign a Take Another Look mini-lesson for individual students to complete during independent work time**. Each student is supported with a three-part, gradual release activity that mitigates distraction and curbs potential frustration.



▶ **Purposeful game play** creates memorable learning experiences where students have fun and practice math with their peers. **The Games Kit offers 54 unique, board or manipulative-based games** that to build fluency of critical math skills.

Arrive Math Booster 是一套主題式數學輔助教具箱；提供涵蓋 K-8 年級數學主題的教學資源，供老師們選擇透過影片、線上練習（可下載 PDF 檔）及桌遊，引發學生興趣、進而強化數學能力。

- ▶ 涵蓋 8 大數學領域內容，方便教師依課網所需，進行主題式教學，並可依照學生程度，分配適合個別學生難易度習題。
- ▶ 教師帳號可依個別學員程度及所需加強主題，分配學習任務—簡單的 15 分鐘主題學習，包含影片、習題演練以及遊戲應用，讓每一位學員擁有個人化學習步調。
- ▶ 教具箱包含多達 54 種數學遊戲、完整的教師手冊、桌遊和積木…等等，各種不同玩法的主題任務，讓學生們於玩樂中達成學習目的，使數學更有記憶點，成為學生們最愛的科目。



For students

- Arrive Math Digital Account
- Lesson Videos
- Hands-on Activities
- eGames

For teachers

- Arrive Math Games Kit
- Arrive Math Digital Account
- Lessons Videos
- Hands-on Activities
- Printable Resources
- eGames



More Info



Language
Arts

Science

Math

Social
Studies

Test
Preparation

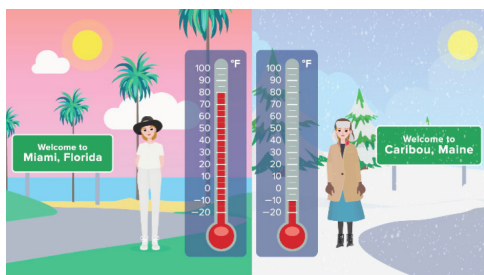
Learning
Resources

Reveal Math

Grades 6~12 ▶ McGraw-Hill

Reveal Math, a G6–12 core program, empowers educators to uncover the mathematician in every student through powerful exploration, rich discourse, and timely insightful differentiation.

- ▶ Math classes become exciting starting from here! **Reveal Math supports both low-tech and high-tech classrooms.** The blended print and digital instructional model captures the best of both modalities and brings them together in a seamless experience that makes math meaningful for your students.



- ▶ In Reveal Math, the Teacher Edition centers around opportunities to promote mathematical discourse, collaboration, and a positive student mindset with **student-centered instructional tools.**

3 REFLECT AND PRACTICE

126 Module 3 • Solve Equations with Variables on Each Side

Reveal Math 提供創新教學現場的可能性，利用現象式學習法，啟發學生興趣，透過強大的探索、豐富的論述和及時有見地的差異化教學，讓數學變得更有意思。

- ▶ 紙本搭配線上平台資源，以達到現象式學習的完美組合；除了紙本練習題，另有線上資源，包含 Sketchpad、遊戲模式和真實生活情境…等等，呈現多元教學，讓每堂課數學課都充滿意義。
- ▶ 學生導向的教師手冊讓您跟學生有效溝通，站在學生角度提供詳盡的解題技巧和多樣化的練習題，協助學員打造正確的數學觀念。
- ▶ 詳細的差異化教案搭配完整的教師資源，提供老師利用不同的教學模式達到學習成果。除此之外，教師手冊內的 ELL 的語言輔助與 Language Development Handbook 讓非母語的學員也能享受數學的樂趣。
- ▶ **Reveal Math** 可輕易的融入 **ALEKS** 和 **Arrive Math Boost** 兩個適性化資源。利用同步化功能，將 **Reveal Math Boost** 的課綱彙整到 **ALEKS** 內，也可挑選 **Arrive Math** 相對應的主題進行輔助教學。（請詳見第 13、16 頁）



For students

Student Edition (2 volumes)
Language Development
Handbook Student Edition
Student Digital Center
• Lesson videos
• eBooks
• eActivities
• Web Sketchpad
• LearnSmart®(Adaptive Learning Tool)

For teachers

Teacher Edition (2 volumes)
Language Development
Handbook Teacher Edition
Teacher Digital Center
• eBooks
• Ready-to-go Lesson Plans
• Differentiated Instructions
• Lesson videos & ePresentation
• Hands-on Projects & eActivities
• Hundred of Resources
• eAssessments & Assignments
• Robust Reporting System
• Professional Development



More Info

- ▶ Reveal Math empowers teachers with powerful tools to **differentiate instruction and English language support**, allowing teachers to deliver insightful instruction that reaches every learner.
- ▶ With the complete classroom solution of Reveal Math, Arrive Math Boost, and ALEKS, the needs of every student be met with engaging and targeted results.

Glencoe Math

Grades 6~12 ▶ McGraw-Hill

Glencoe Math is a powerful Grades 6-12 math program that makes math real for students. The three components of rigor are supported throughout the program and are embedded in resources, lessons, and practice assessments.

- ▶ Rigor is built-in and supported throughout the program. **The three components of rigor — conceptual understanding, procedural fluency, and application —** are embedded in resources, lessons, and practice state assessments.



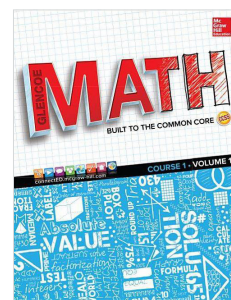
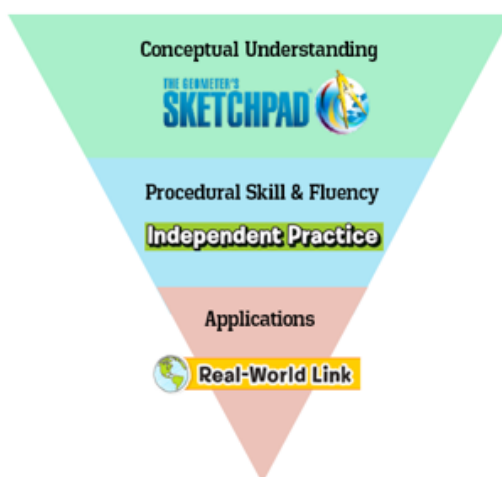
- ▶ **Interactive resources available with every lesson**, the tools are used to support instruction, practice concepts, and reinforce learning.



- ▶ The adaptive learning technology of ALEKS® paired with the rich content of Glencoe Math provides a curriculum solution that is differentiated for every student.

Glencoe Math 改變以往傳統學習的型態，除了有大量的練習題、更導入紙本與線上平台共同操作的練習模式，讓學習變得更生動有趣。

- ▶ **Glencoe Math** 不但內容嚴謹，更重視實際練習多樣化數學習題，整套教材從理解為出發點，結合不同模式的練習方法啟發學員對數學的熱忱，進而達到熟練與專精。(如下圖)
- ▶ 線上資源改變以往用紙本練習的模式，包含互動式 eBook 以及 Geometer's Sketchpad 都能讓學員以最有效率的方法學習數學精華。
- ▶ 可與適性化平台 ALEKS 搭配使用，經由大數據人工智能分析，針對不同的學生給予相對應的習題，讓每一位學生都能有自信的學習。(請詳見第 17 頁)



For students

Student Edition (course 1,2,3)
Student Edition (Algebra 1, Algebra 2, Geometry, Pre-calculus)
Geometer's Sketchpad
Online Student Edition
• eBooks
• Videos
• eActivities
• Answer key
• eAssessments

For teachers

Teacher Edition
Assessment Masters
Interactive Guide for ELL
Online Teacher Edition
• Ready-to-go lesson plans
• Robust reporting system
• eBooks
• Differentiated Instructions
• Lesson videos & ePresentation
• Hands-on Projects & eActivities
• Hundred of Resources
• eAssessments & Assignments
• Professional Development



More Info

Language
Arts

Science

Math

Social
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Test
Preparation

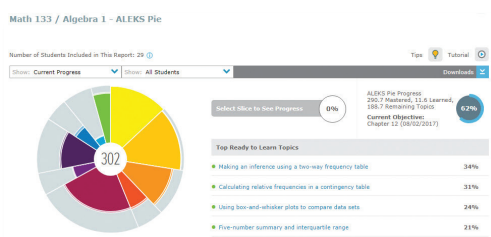
Learning
Resources

ALEKS

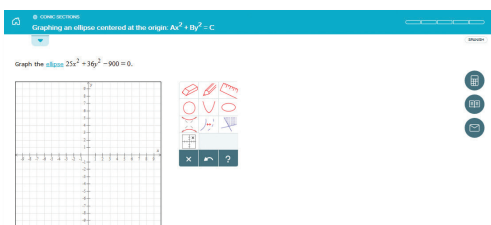
Grades 3~12 ▶ McGraw-Hill

ALEKS is an adaptive, online math program that uses artificial intelligence and open-response questioning to identify precisely what each student knows and doesn't know. Through truly individualized learning and assessment, ALEKS delivers a personalized learning path on the exact topics each student is most ready to learn.

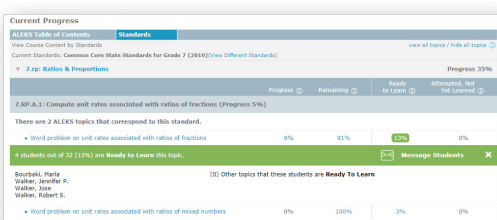
- ▶ Students begin with an Initial Knowledge Check. The results are summarized in the ALEKS Pie, a tool that provides insight on student knowledge across multiple topics. Within each pie slice (topic area), the colored section shows what a student knows. The gray area shows what the student has left to learn.



- ▶ As students work through their ready-to-learn topics, ALEKS provides them personalized learning with immediate feedback, detailed explanations, definitions, and other tools for building mastery.



- ▶ Real-time reporting allows educators to:
 - ✓ Measure progress at the student, class, school, and district levels.
 - ✓ View progress and ready-to-learn topics related to a specific math standard.
 - ✓ Gain insight on how students may perform on standardized assessments and remediate potential knowledge gaps.



ALEKS 是一款由 New York University、與 University California of Irvine 共同開發的適性化線上數學題庫平台，藉由 AI 人工智慧，辨認學習者大腦對於數學已知、未知、適合學習的領域。透過適性化指導、與主題式練習，結合 ALEKS 協助每一位學員找到最適合自己的有效學習方式。



- ▶ 透過僅需 20-30 題、準確度卻高達 97% 的前測，ALEKS 即可辨認學生對各數學領域的掌握度；測驗完後每個學員會擁有屬於自己的圓餅圖，從圖中可清楚掌握對不同數學主題的專精程度。
- ▶ 學生可於進行個人化學習的過程中，得到即時線上回饋，藉由 AI 家教功能、步驟詳解、專有名詞英文辭典和各種線上工具，專精該領域主題。
- ▶ 可多達 10 種不同模式的數據報告
 - ✓ 查看班級、學生、學校整體進度
 - ✓ 主題式進度與課綱進度對照報告
 - ✓ 查看單一學生進度報告，並指派主題式習題



For students
ALEKS Digital Account

For teachers
ALEKS Digital Account



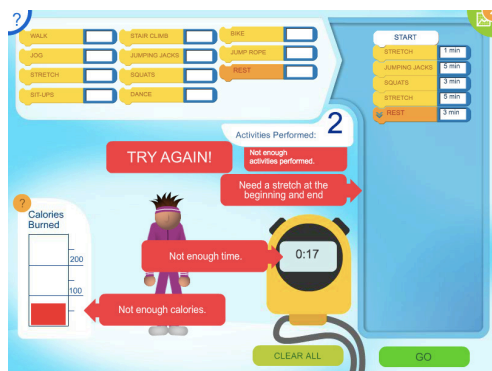
More Info

Redbird

Grades K~7 ▶ McGraw-Hill

Redbird solutions share the same vision of accelerating learning through personalized instruction, and both draw from pioneering research in adaptive learning technology. Originally developed at Stanford University, together they provide a common set of user experiences and reporting that can help elevate students in Mathematics.

- ▶ **Redbird** solutions deliver what each individual student needs to accelerate math or writing skills. More than 25 years of research has led to the Redbird adaptive learning model to achieve **personalized learning for everyone!**



- ▶ Empowering educators with data that is easy to understand:

- ✓ Track progress in one dashboard.
- ✓ Use data to inform their instructional planning.
- ✓ Share results with parents.

Name	on-level lessons completed	precursor lessons completed	Time spent (hr:mm)	CFA (%)	Lesson Pace	Activity breakdown
Ashely Lessard	0	1	4:35	47	0.3	Instructions 100% Practice 0% Games 0% Projects 0%
Blair Pollock	1	1	3:45	54	1.8	Instructions 100% Practice 0% Games 0% Projects 0%
Caroyn Barkston	2	2	4:57	60	0.5	Instructions 100% Practice 0% Games 0% Projects 0%
Dallon Grubbs	2	0	3:30	71	0.8	Instructions 100% Practice 0% Games 0% Projects 0%
Eduardo Wilema	4	3	4:47	54	1.5	Instructions 100% Practice 0% Games 0% Projects 0%
Fe Pernyman	4	1	2:47	44	0.3	Instructions 100% Practice 0% Games 0% Projects 0%
Iris Parlin	0	0	4:50	40	1.0	Instructions 100% Practice 0% Games 0% Projects 0%
Jonah Sapp	10	0	4:39	50	0.8	Instructions 100% Practice 0% Games 0% Projects 0%
Katlin Marcum	7	4	2:53	68	0.3	Instructions 100% Practice 0% Games 0% Projects 0%
Max Daniel	9	1	3:54	76	4.9	Instructions 100% Practice 0% Games 0% Projects 0%

- ▶ **Redbird is easy to implement and is adaptive to the needs of any classroom.** If you're new to blended learning, consider one of the models here that educators across the country have found to be successful for them.

Redbird 由美國史丹佛大學經歷 25 年研發的數學、及語文寫作適性化軟體；個人化的學習、搭配完整的數據分析，協助教師高效率掌握學生學習狀況。

- ▶ **Redbird** 擁有超過 25 年的大數據資料庫，利用人工智慧，針對個別學員給予個人化指導、搭配 STEM 職涯影片介紹，連結學習目標，最後以生活應用遊戲、或是 STEM 互動式任務，呈現學習成果，是適性化學習法結合 STEM 學科最佳典範。
- ▶ **Redbird** 自動彙整學員使用狀況讓老師們能：
 - ✓ 追蹤個別學生進度
 - ✓ 根據數據調整課綱
 - ✓ 提供家長具體成果
- ▶ 利用彈性教學方法將學習成果最大化，教學模式包含：個人獨立使用、分組任務模式、以及全班線上授課，都是多年研究實證的成功模式；教師可依以下圖像案例，選則最適合方案。



For students

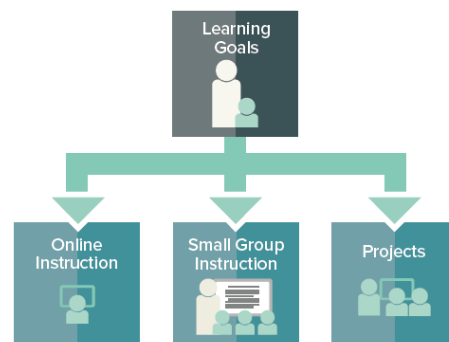
Redbird Math Digital Account

For teachers

Redbird Math Digital Account



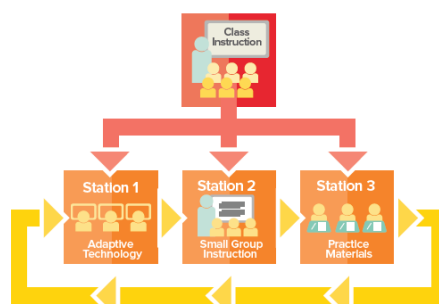
More Info



Small Group Station Rotation



Whole Class Computer Time



Before or After School

Language Arts

Science

Math

Social Studies

Test Preparation

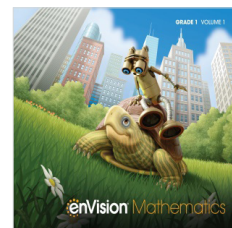
Learning Resources

enVisionMath 2.0

Grades K~8 ▶ Pearson Education

► **enVisionmath 2.0** is a comprehensive K-8 mathematics curriculum offering the flexibility of print, digital or blended instruction. It provides the focus, coherence, and rigor of the Common Core State Standards. Ensure success at every level with problem-based learning, embedded visual learning, and personalization to empower every teacher and student.

► **enVisionMath 2.0** 提供完整美國 K-8 數學教材，在教學上是以美國課綱 common core standard 來編寫，它可確保在老師及學生能有規則地在每個年級的數學理念都能夠明白及對於運用概念解決問題 (problem-solving) 的題型都能應付。本系列以平裝版本設計，課本及練習合為一，分成上下二冊的設計減輕學生的負擔。其線上的資源也與課程做結合，有視覺上引導及練習，讓學習數學不再是困難的科目。



For students

Student Edition 2-Volume
Realize Digital for 1 Year access
Additional Practice Workbook

For teachers

Teacher's Edition 2-Volumes
Assessment Sourcebook
Teacher's Resource Masters, 2 Volumes
Math Practices Classroom Posters
Math Diagnosis and Intervention System
Today's Challenge Teacher's Guide
Manipulative Kits
Problem-Solving Levelled Reading Mats
Realize Digital for 1 Year access



More Info

STEP 1

Problem-based Learning

Simple Proven Lesson Design provides a clear, intentional pathway.

Step 1: Problem-Based Learning

Connect important lesson ideas to students' thinking

Step 2: Visual Learning

All learners participate in rich classroom conversation.

Powerful combination of STEP 1 & 2 helps students develop deep conceptual understanding.

Step 3: Assess and Differentiate

Focus on each learner with options to build confidence.

STEP 2

Visual Learning

簡單課程設計提供教學者及學習者有清晰的及目標的步驟

→ 步驟 1 每課都將重要的課程構想與學生的思想連繫起來

→ 步驟 2 所有學習者都能參與各式各樣的互動課程對話

Problem-based Learning 跟 Visual Learning 二個合併來加深學生對數學概念的理解及應用

→ 步驟 3 最後會專注在每位學生的能力給予不同指導並建立自信心態

STEP 3

Assess and Differentiate

Effective

- Focuses on Common Core Math Clusters.
- Develops in-depth understanding.
- Connects mathematical content and practice standards.

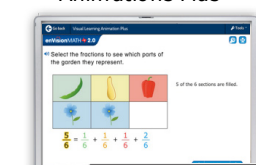
Efficient

- Upload school-based content and other favorite resources.
- Customize topics and lessons.
- Assess in the format of the common high-stakes assessments.

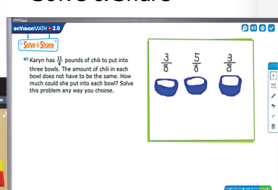
Engaging

- Interactive learning aids and video tutorials.
- Personalized practice and immediate feedback.
- Built-in support activities in multiple modalities.

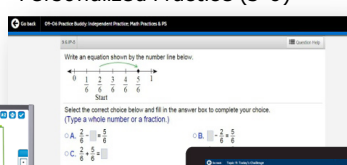
Visual Learning Animations Plus



Solve & Share



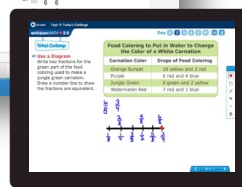
Practice Buddy Personalized Practice (3-6)



Another Look Homework Video



Today's Challenge and Teacher Guide



IMPACT Social Studies

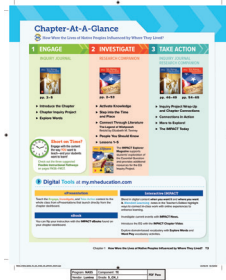
Grades K~5 ▶ McGraw-Hill

With **IMPACT Social Studies**, students will gain building blocks for critical thinking and analysis as they use inquiry to learn about history, geography, economics and civics.

▶ IMPACT Is Inquiry

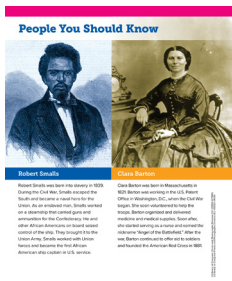
Curiosity is at the center of inquiry.

Students who collaborate in inquiry-based learning experiences become deeper thinkers and stronger communicators.



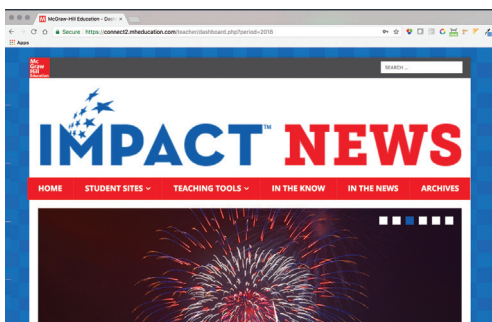
▶ IMPACT Builds Language

IMPACT Social Studies ensures that the language learning in social studies is especially valuable for English Learners because it expands their language development in new directions as they engage with the content.



▶ IMPACT Is Literacy

Literacy skills provide the foundation for inquiry. Students apply literacy tools—strategies for close reading, writing, and speaking and listening—to comprehend, critique, and synthesize social studies content.



IMPACT Social 是結合歷史、地理、公民和經濟學的美國小社會科學課本，強調探究式學習，取代背誦基礎事實，培養自我探索與獨立思考能力。就讓教師們開始 *Impact* 下一代的小小探險家吧！

- ▶ 好奇心是啟發學習的核心，**IMPACT** 每個章節都從根本問題開始 (Essential Question)，當教學結合探究式學習，學生們能更快融入學習目標，培養獨立思考與基礎溝通的能力。
- ▶ 強調語言與文化的重要相關性。將學科內容和語文學習相連結，於培養文化知識的同時，協助學生拓廣字彙和閱讀能力—輕鬆體現 CLIL 教學精神！
- ▶ 打造文學素養、為下一代的探究能力做準備。課程活動中提供各種學習閱讀工具、及問題解決策略，包含細讀能力、策略式聽說讀寫、以及文本分析表格，帶孩子們輕鬆消化與吸收社會科學知識。



For students

Student Edition
(Grade K-2: 5 chapters/
volumes
Grade 3: 6 chapters/ 2
volumes)

Student Digital Center

- eBooks
- Interactive videos
- eActivities
- Magazine
- Songs

For teachers

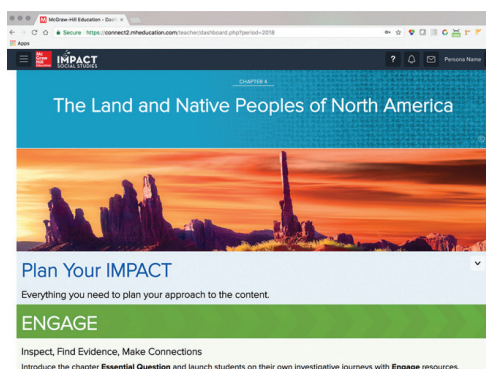
Teacher Edition

Teacher Digital Center

- eBooks
- Ready-to-go Lesson Plans
- Differentiated Instructions
- Lesson videos
- ePresentation
- Hands-on Projects & eActivities
- Hundred of Resources
- eAssessments & Assignments
- Professional Development



More Info



Language
Arts

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Test
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Learning
Resources

McGraw-Hill Networks

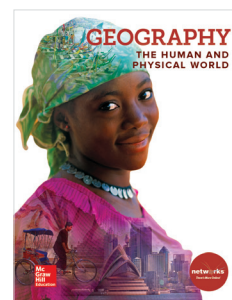
Grades 6~12 ▶ McGraw-Hill

McGraw Hill Networks is a multiple award-winning program for middle school and high school, bringing the people, issues, and events of yesterday to life for the students of today. It boasts the first truly integrated print and digital curriculum, with a full suite of teaching and learning tools to provide a flexible, customized learning experience.

- ▶ Rigorous, age-appropriate content highlights diverse perspectives, integrates primary sources, and makes relevant connection to bring subject to life.
- ▶ Inquiry activities ignite curiosity and facilitate critical thinking, teaching how to analyze sources, cite evidence, and take informed action.
- ▶ Customizable lesson plans and classroom management tools save time, while point-of-use differentiation strategies and authentic ELL support meet every student where they are.
- ▶ Stimulates collaboration, problem solving, debate, action, and draw connections to today by demonstrating relevancy.

McGraw Hill Networks 系列榮獲多獎項，以實體結合數位的整合學習方式，呈現地理知識、歷史人文、公民及社會議題，不論教師或學生皆有完整的資源，創造彈性且能客製化的環境，有效達成領域內的縱貫連結、區隔、橫向連結。

- ▶ 內容紮實，以多元觀點切入主題，並整合初級資料，強化與日常生活的連結。
- ▶ 課本搭配專門設計的 Inquiry Journal 培養學生在進行專題研究、探討活動時運用批判性思考、分析、引述、資訊彙整等能力。
- ▶ 實體結合數位，教師資源齊全，線上平台包含豐富的資料庫，提供影、音、文字等多面向的教學資源，教師亦能客製教學簡報及課程計畫，並透過課室管理、習題評量題庫、成績統計分析、ELL 及差異化教學指示等功能，使教學事半功倍。
- ▶ 透過學習內容與現今生活的連結培養團隊合作、系統性思考與問題解決能力、規劃執行的能力。



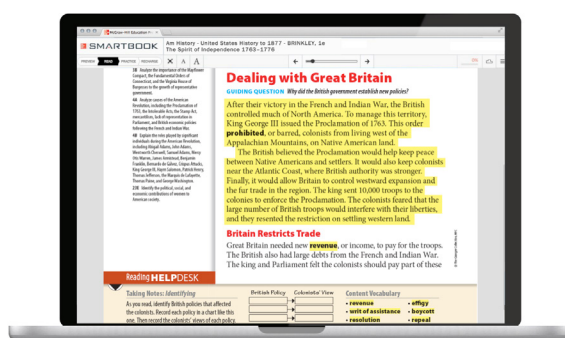
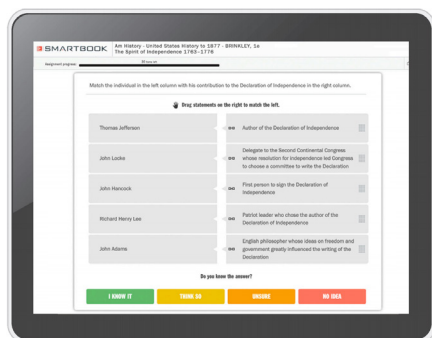
For students

Student Edition & Inquiry Journal
Reading Essentials
Student Digital Center
• Lesson Videos
• Biographies & Primary Sources
• Foldables™
• Biographies
• Glossary
• Audio Student Edition

For teachers

Teacher Edition
Answer Keys
Chapter Tests & Lesson Quizzes
Teacher Digital Center
• Correlations to standards
• Ready-to-go lesson plans
• Robust reporting system
eBooks
Differentiated Instructions
Lesson videos & ePresentation
Hands-on Projects & eActivities
Hundred of Resources
eAssessments & Assignments
Professional Development

Digital Resource: ConnectED



All Networks titles come with built-in revolutionary adaptive technology, LearnSmart® + Smartbook which determines precisely which learning objectives a student has grasped and provides personalized instruction, practice.

Smartbook® is an adaptive ebook that utilizes LearnSmart® technology to guide students through the interactive challenge format highlights content and helps each student identify content they know, don't know, and are most likely to forget.

Networks 全系列皆有適性化學習系統 LearnSmart®, 透過個人學習數據精準分析學習者之弱點，並給予客製化的學習引導。

Smartbook 是結合 LearnSmart® 科技的適性化電子書，會依據課文內容重要性及個別學生學習狀況，將課本內容以不同顏色標出，透過閱讀與練習交替的方式蒐集學習數據，循序漸進地引導學生掌握學習內容。



More Info

Family and Consumer Science

Grades 6~12 ▶ McGraw-Hill

McGraw Hill Family and Consumer Sciences programs prepare students for success in school and life through rigorous and relevant curricula that integrate content knowledge, academic and technical skills, employability skills, workplace competencies, hands-on applications, and project-based learning.

McGraw Hill Family and Consumer Sciences 內容規劃紮實嚴謹，與日常生活連結密切，整合知識理論、技術能力、就業及職場能力、實作課程、和專題式學習，奠定學生在人生中成功的基石。

LIFE SKILLS

Discovering Life Skills G6-8

Prepares students for the future by encouraging them to discover exciting career paths, determine goals, and manage their lives.

協助學生實現精彩的職涯發展、擬定目標、經營人際關係、規劃生活。

Applying Life Skills G8-10

Builds students' understanding of personal development as they mature and become responsible young adults.

了解並發展自己的興趣、成為負責任的青少年。

Managing Life Skills G10-12

Enhances students' independent living skills and prepares them for success beyond high school.

加強學生的獨立生活能力，為高中之後的路做準備。

FOOD & NUTRITION

Food, Nutrition & Wellness G6-10

Discusses how to make healthful food choices, prepare nutritious meals, and bring physical activity and wellness practices into our daily lives.

培養學生健康飲食的觀念，教導將運動、保健之道融入生活之重要性。

Culinary Essentials G10-12

Exposes students to real-world culinary careers and the practical business aspect of working in a professional food service setting.

認識真實生活中的餐飲職涯，和於餐飲業工作的實務面。

Food for Today G9-12

Emphasizes the basics of nutrition, consumer skills, food science principles, and lab-based food preparation techniques.

著重基礎營養學、購物技巧、食品科學原理、食材備料技巧。

CHILD DEVELOPMENT & PARENTING

Child Care Today: Becoming an Early Childhood Professional G9-12

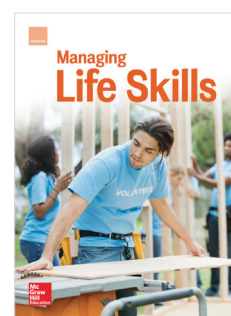
Gives students a solid introduction to the theory and practice of childhood care, preparing students for professional certification in early childhood education.

介紹幼兒教育之理論與實務，內容詳盡紮實，為未來學生在學齡前幼兒教育之專業認證做準備。

The Developing Child G9-12

Guides students through the developmental process of children from birth to age twelve. The program excels at engaging students and integrating critical thinking skills

於學生參與學習之時，帶入批判性思考技巧，引導學生了解孩童從出生至 12 歲的發展過程。



For students

- Student Edition
- Student Digital Center
- Student Activity Workbook
- Academic Activities
- Enrichment Activities
- Student eBook

For teachers

- Teacher Edition
- Answer Keys
- Chapter Tests & Lesson Quizzes
- Teacher Digital Center
- Ready-to-go lesson plans
- Hands-On Projects and Activities
- Access hundreds of resources
- Differentiated Instructions
- Assessment & Assignments
- Professional Development



More Info

Language
Arts

Math

Science

Social
Studies

Test
Preparation

Learning
Resources

McGraw-Hill AP[®], Honors & Electives

Grades 9~12 ▶ McGraw-Hill

McGraw-Hill AP[®], Honors & Electives programs provide students at every proficiency level purposeful lessons, extensive practice, and a variety of opportunities for concept mastery to develop the academic and real-world skills and knowledge they need to make the successful transition from high school to college and beyond.

- ▶ AP Advantage supports students with accessible, engaging, and fully aligned resources designed to support them from pre-course skill mastery, through comprehensive core curriculum, to targeted and adaptive test prep. AP advantage tailors the learning experience to students' diverse needs and learning styles.

Onboard: Pre-course skill mastery

- ✓ Self-paced, diagnostic, interactive AP course prep
- ✓ Builds prerequisite skills and knowledge to ensure equity in the classroom
- ✓ Great for first weeks of school assignments

APCore: Comprehensive core curriculum

- ✓ Robust online teaching and learning platform that extends class instruction
- ✓ Interactive, engaging pedagogy tied to the text
- ✓ Powerful reporting tools and customizable content

SCOREboard: Adaptive test prep

- ✓ Personalized, adaptive AP content review
- ✓ Auto-graded AP practice exams
- ✓ Builds mastery and confidence for AP exam success

- ▶ SmartBook is an adaptive ebook that utilizes LearnSmart[®] technology to guide students through the interactive challenge format highlights content and helps each student identify content they know, don't know, and are most likely to forget.

McGraw-Hill AP[®], Honors & Electives 系列，為各個程度的學生提供明確的課程、廣泛的練習、和多元的方式來掌握觀念，培養學科知識和現實社會所需之技能，奠定從高中、至大學、亦或進入職場後之成功。

- ▶ **AP Advantage** 為 AP, Honors & Electives 系列獨有的線上學習功能，資源使用上方便、有趣，從預習、完整掌握重點、至適性化的應試準備，依據多樣的學習需求和模式，客製化學習體驗，協助學生徹底理解所學內容。

Onboard 預習

- ✓ 依據個人學習狀況、學習診斷調整的互動式預習系統
- ✓ 協助建立課前知識和技能來確保
- ✓ 很適合做為開課第一周的作業

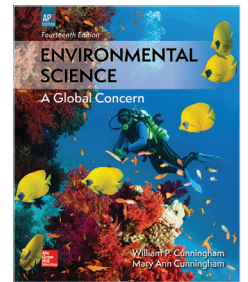
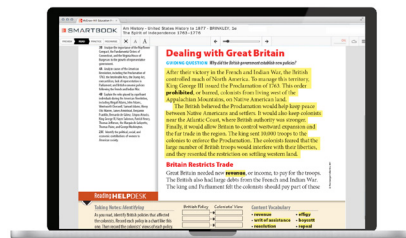
APCore 掌握完整核心內容

- ✓ 線上教學和學習平台，資源豐富多樣
- ✓ 以互動式、提高學生參與學習的教學法來設計課程內容
- ✓ 強大的報告分析工具，讓教師深入了解學生學習狀況，並客製化教學資源

SCOREboard 適性化應試準備

- ✓ 適性化的複習系統
- ✓ 自動批改 AP 模擬試題卷
- ✓ 建立應試信心和掌握度

- ▶ **SmartBook** 是結合 LearnSmart[®] 科技的適性化電子書，會依據重要性及學習狀況，將課本內容以不同顏色標出，透過閱讀與練習交替的方式蒐集學習數據，循序漸進地引導學生掌握學習內容。



For students

- Student Edition
- Student Digital Center
- Interactive eBook
- Adaptive SmartBook
- Adaptive practice with targeted remediation in areas of weakness
- In-depth reports of current learning statistics
- Auto-graded AP practice exams mirroring the format and timing of the College Board exam

For teachers

- Teacher Edition
- Teacher Digital Center
- eTeacher Manual
- Adaptive SmartBook
- Ready-to-go lesson plans with teaching suggestions
- Customizable teaching slides
- Reading strategies
- Pacing guides & Activities
- Robust reporting system
- Access hundreds of resources
- AP Test Banksyste



More Info

POPULAR TITLES

SCIENCE

Biology / Chemistry /
Environmental Science / Marine
Science / Hole's Human Anatomy
and Physiology / Zoology

SOCIAL STUDIES

Human Geography / Economics
Traditions & Encounters: A Global
Perspective on the Past / The
Science of Psychology

MATH

Elementary Statistics / College
Algebra / Precalculus / Beginning
Algebra / Intermediate Algebra

ENGLISH LANGUAGE ARTS

Language and Composition: The
Art of Voice

COMMUNICATIONS

The Art of Publics Speaking

WORLD LANGUAGES

Avanti! Beginning Italian

MUSIC

Tonal Harmony

OTHERS

Essentials of Athletic Injury
Management / Introduction to
Criminal Justice

MCP Plaid Phonics 2011

Grades K~6 ▶ Pearson Education

MCP Plaid Phonics 2011 explicitly and systematically instructs students in how to relate letters and sounds, how to break spoken words into sounds and how to blend sounds to form words. It includes alphabetic knowledge, phonemic awareness, vocabulary development, and reading of text, as well as systematic phonics instruction.

- ▶ 每單元介紹不同的字母及發音，搭配豐富有趣及多樣化的韻文、連連看、寫字、拼字、閱讀及圖畫練習，加深學生對字母的認識及培養發音與拼字的基礎。
- ▶ 單字及字母練習皆搭配實物圖片，讓小朋友能清楚的認識單字。單元中的「Review」練習可讓學生更熟悉發音，加深印象。
- ▶ CD 為舊版品項，內容可與新版學生課本搭配使用。



Language Arts

Math

Science

Social Studies

Test Preparation

Learning Resources

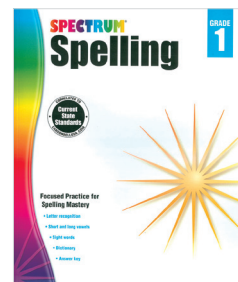
Spectrum Series (New Edition)

Grades K~8 ▶ Carson-Dellosa Publishing Group

Proven instructional method teaches and reinforces concepts as students' progress towards mastery. Updated and optimized for today's college- and career-ready classroom.

- ▶ Math: Systematic instruction to help students master grade-specific math skills.
- ▶ Language Arts: Challenge students to be clear communicators and confident readers.
- ▶ Science: Encourage a love for science with fascinating facts and compelling passages.
- ▶ Phonics: This best-selling language arts workbook uses progressive lessons, strategies, and practice to help children form words with letter sounds, and blends.

- ▶ Math 系列廣被美國小學使用，以適合該年級學生的課程內容及練習，加強學生的數學的基本概念及算術能力。
- ▶ Language Arts 系列從單字用法、句型結構到標點符號等基本語言技能，並透過閱讀及批判性思考訓練，逐步教導寫作、閱讀技巧。
- ▶ Science 系列適用於 Grades 3~8，以引人入勝的科學主題，提高學生科學素養，並同時加強探索能力。
- ▶ Phonics 系列的 Grades K~2 為基礎發音練習，Grades 3~6 增加 Word Study 的練習。
- ▶ 每冊均附解答，方便教學使用。



For students

Critical Thinking for Math (Gr. 1~8)
Geography (Gr. 3~6)
Language Arts (Gr. K~8)
Math (Gr. K~2)
Phonics (Gr. K~2)
Reading (Gr. K~8)
Science (Gr. 3~8)
Sight Words (Gr. K~1)
Spelling (Gr. K~6)
Test Prep (Gr. 1~8)
Vocabulary (Gr. 3~6)
Word Study and Phonics (Gr. 3~6)
Writing (Gr. K~8)



More Info

Skill Sharpeners Series

Grades PreK~6 ▶ Evan-Moor

Skill Sharpeners series is based on the most current standards for each grade level. Skill Sharpeners series motivates children to practice curriculum-based skills to get ready for the next grade level. These colorful activity books present must-know skills in fun thematic activities.

Skill Sharpeners series includes:

- ▶ **Reading** focuses on improving reading comprehension through fiction and non-fiction passages.
- ▶ **Math** targets math essentials like numbers, operations, data, measurement and geometry.
- ▶ **Spell & Write** incorporates reading and writing practice while reinforcing spelling, punctuation and grammar.
- ▶ **Critical Thinking** builds critical thinking skills with fun cross-curricular activities, puzzles, word and more.
- ▶ **Science** focuses on physical, life and earth science concepts and activities that also help to refine reading skills.
- ▶ **Geography** engages students in exploring the world while learning important map skills and geography concepts.
- ▶ **Grammar & Punctuation** helps students improve their writing with engaging stories and word games while learning important grammar and punctuation rules.

- ▶ 一套專為訓練學生應試技巧的教材，從簡易的圈圈看、連連看、畫畫看進階至具難度的一般正式測驗考題。書後附解答。
- ▶ 全套共分 Reading、Spell & Write、Math、Science 等共七個系列，學習者可視需要搭配使用。
- ▶ 教材分成 PreK 至 Grade 6，共八個級數，完全依照孩子學習進程編寫。
- ▶ Math 系列針對美國全國數學教師協會 (NCTM) 所訂定的數字與運算、度量衡、幾何學、代數學、數據分析和機率等五項基準設計題型，讓孩子的數學學習達到充分的練習與技巧的掌握。
- ▶ Reading 系列透過文章及故事，訓練美國全國閱讀教學不可或缺的五項基礎能力，分別為音素認知、自然發音、字彙、流暢度、理解力。
- ▶ Spell & Write 系列透過簡明有趣的課程編排，如單元拼寫重點的故事或文章、拼寫練習單字列表、拼音遊戲與活動、文法、句型理解等，讓學生輕鬆掌握拼讀與寫作技巧。
- ▶ Critical Thinking 系列幫助培養學童的批判性思考能力，讓孩子的自信與日俱增。同時透過有趣和創意的單元活動，引導孩子挑戰使用布魯姆分類法中的高階思考技巧。
- ▶ Science 系列符合新世代科學教育標準 (NGSS)，透過互動式活動，透過歌曲、旋律、動手做做看，提升小讀者學習意願，協助學生建立物理、生命和地球科學的概念與知識。
- ▶ Geography 系列透過 non-fiction 閱讀文本、理解性問題、字彙練習、寫作提示，以及實際活動，帶入重要地圖技巧和地理概念，吸引孩子探索世界。
- ▶ Grammar & Punctuation 系列透過有趣的故事及字彙遊戲，讓學生學習重要的文法概念，及標點符號的用法，提升學生的寫作能力。



For students

Critical Thinking
Geography
Grammar and Punctuation
Math
Reading
Science
Spell & Write

I Read to Write

Grades 2~6 ▶ Zaner-Bloser

I Read to Write is a simple, flexible solution that helps students master the skills needed for close reading and responding to multiple sources on writing assessments.

With **I Read to Write**, students learn to

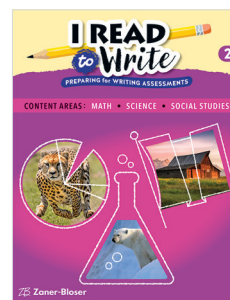
- ▶ read closely to analyze text structures and acquire a deeper understanding of content.
- ▶ cite text evidence as they respond to multiple sources in writing.
- ▶ write across content areas: Science, Social Studies, and Math.
- ▶ write within three text types: Narrative, Informative/Explanatory, and Opinion.
- ▶ practice skills essential to success on writing assessments.

一套專為英語中階學習者所設計的閱讀寫作教材，能有效提升學生讀寫技能，並培養學術寫作測驗的進階能力。

本系列引導學生閱讀並分析多樣文本，針對文章資訊，透過系統性思考，最後寫出有結構的回應。閱讀中逐步指引學生善用文章資訊，有效掌握精讀所需的技能，並於寫作中運用各種技巧回應文章論點。

全系列共五冊，每冊含 Science、Social Studies 及 Math 三大領域的閱讀題材。

每個領域透過 Read、Think、Write 三步驟，逐步強化學習策略，培養學生成為高效能學習者。



More Info

- 1 Read：閱讀文本→分析結構→回答問題→掌握文章架構及特色
- 2 Think：解構文本→分析資訊→歸納論點→結合個人觀點回答問題
- 3 Write：以敘述文、說明文及議論文三種文體書寫跨領域題材，扎實培養應試實力。



Read, Think and Write Across Content Areas

各級數文本 Lexile 對照表

Level	Lexile
Grade 2	450L to 610L
Grade 3	600L to 660L
Grade 4	740L to 860L
Grade 5	850L to 960L
Grade 6	940L to 990L

READ!

Great and Powerful GLACIERS

Thousands of years ago, ice covered much of Earth. This ice formed glaciers. Usually mammals roamed among them. These animals looked like hairy elephants. Today, the mammals are gone. Also, many of the glaciers are gone. However, the glaciers left behind clues to the past.

Do you know what a glacier is? It forms when snow builds up over many years. New snow pushes down on the snow under it. This compacts the snow. The snow becomes very solid, and it turns into ice.

Glaciers form in very cold places. Snow builds up in the winter. Then only some snow melts in the summer. In this way, the snow keeps forming layers over the years.

Glaciers flow, or move, down hills. However, they do not flow like river water. They flow very slowly. Their heavy weight pulls them downward over time.

A glacier flows and refreezes as the weather changes. This breaks up rocks below the glacier. Then the glacier moves. It drags large rocks with it, and the rocks grind away at the land below. This changes the shape of land.

A glacier might make a U-shaped valley. It might make an inlet. (An inlet is a water passage between pieces of land.) A glacier also leaves behind rocks. Sometimes these rocks close up rivers and make new lakes. Glaciers wear down everything in their paths. They scrape off the tops of mountains. They carry broken rock for away. Then they disappear. However, they leave behind beautiful valleys, inlets, and lakes.

Cite Text Evidence

1. Ask and Answer Questions
What is the meaning of the verb compact? Highlight two sentences that help you understand. Label them number 1. Then write your answer below.

2. Use Text Features
What is a reason for an order formed by a glacier? Where did you find this information? Write your answers below.

THINK!

Great and Powerful GLACIERS

Check Comprehension

Choose the best answer for each question below.

3. What is the author's main purpose for writing this article?

A) To describe how glaciers melt.
B) To support the opinion that glaciers are cold.
C) To explain how glaciers are powerful.
D) To inform readers that glaciers can move.

4. Below are four steps for forming a glacier. The steps are out of order. Which is the second step?

A) The older snow layers turn into ice.
B) It snows over and over again in a very cold place.
C) New snow layers compact the snow layers below them.
D) Snow builds up in layers.

5. What is one reason that glaciers can move?

A) They are made of ice.
B) They are heavy.
C) They carry rocks.
D) They do not weigh much.

6. Read the list below. According to the article, what happens first?

A) The glacier moves.
B) Ice melts and refreezes under the glacier.
C) Rocks break up below the glacier.
D) The rocks grind away at the land.

WRITE!

Analyze the Writing Task

You can write one or more of the following using information from the sources you read: a historical episode, an article, or an opinion paper. Review the information below to understand each text type and genre.

Narrative
A historical episode tells a story about an actual time, place, event, or person in history. It combines both fact and fiction.

Article
An article explains an idea. Often the author studies the subject before writing about it. The most common reason to write an article is to explain something you have learned.

Opinion Paper
An opinion paper gives an opinion and reasons to support it. Some of the most common reasons to write an opinion paper are to convince others, to explain a topic that is important to you, and to help the reader better understand a topic.

The Writing Process

- 1 **Prewrite** Review the information you gathered and organize your ideas using a graphic organizer.
- 2 **Draft** Write your historical episode, article, or opinion paper.
- 3 **Revise** Look for ways to improve your writing. Refer to the writing traits on page 46 as you revise.
- 4 **Edit** Check your writing for any errors.
- 5 **Publish** Share your writing with others.

Storyboard

Imagine that you are alive at the time thousands of years ago when ice covered most of Earth. Write a historical episode about a day in your life. What is a problem you face, and how do you solve it? Include details from the sources you read. Use the Storyboard below to organize your ideas.

Web

Write a short article about different ways that water affects how Earth looks. Include facts from the sources you read. Use the Web below to organize your ideas.

Opinion Map

Write a paragraph that supports this opinion: Water is a powerful force on Earth. Give two reasons that explain your opinion. Include facts from the sources you read. Use the Opinion Map below to organize your ideas.

WRITE!

Informative/Explanatory

Write a short article about different ways that water affects how Earth looks. Include facts from the sources you read. Use the Web below to organize your ideas.

Opinion

Write a paragraph that supports this opinion: Water is a powerful force on Earth. Give two reasons that explain your opinion. Include facts from the sources you read. Use the Opinion Map below to organize your ideas.

Word Wisdom

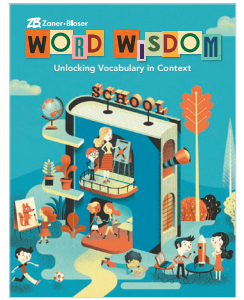
Grades 3~6 ▶ Zaner-Bloser

Available for grades 3–6, **Word Wisdom** is the only vocabulary program that teaches students to unlock word meanings in context, using vocabulary strategies. With these reliable, transferable strategies in hand, students can discover the meaning of unknown words in anything they read and expand their vocabulary over time.

Word Wisdom incorporates the most effective, research-based approaches for vocabulary development, including activating prior knowledge, using context clues strategies, and analyzing roots and other word parts. Students build literacy skills that

- ▶ increase reading fluency and comprehension.
- ▶ strengthen reading and writing across subject areas.
- ▶ improve overall academic success.

- ▶ 一套符合美國小學課綱標準的字彙養成書。培養學習者從情境中找出線索、推敲字義及認識字根。一致的閱讀步驟「Read → Look → Think → Predict → Check」，有效發展字彙的學習策略。
- ▶ 閱讀課程提供與主題相關的閱讀文本。Lesson 1 發展從上下文理解字義的能力。Lesson 2 引導學生認識與主題相關的字根。Lesson 3 提升學習者運用工具查詢字義的能力。
- ▶ 複習與測驗題型多元，鼓勵學生活用所學，檢視學習成效。



For students
Student Book



More Info

Word Wisdom
Book 3

Unit 3 Movement

Lesson 1 Context Clues

Butterflies on the Move

Monarch butterflies are those beautiful butterflies with the black and orange wings. During the spring and summer, you may spot one fluttering around your yard or a park. When it gets colder, what happens to them? Read this article to find out.

In the fall, monarch butterflies fly south. Like birds, they must go south to survive the winter. Their journey begins up north in the United States or Canada. It ends in a small area of Mexico. The butterflies return to this same place year after year.

Monarch butterflies amaze scientists. It isn't clear how the butterflies know their way to Mexico. They seem to have a built-in compass that points them in the right direction. Using the sun as a guide, they travel south. It takes the butterflies a few months to make their journey. The trip is thousands of miles long.

Along their route, the butterflies sip nectar from flowers. This gives them energy. The monarchs fly during the early part of the day. If you spot them during their trip south, you may see a few, or even hundreds, flying across the sky.

In a single day, the monarch butterfly can fly quite far. Scientists know this from an experiment. They captured some butterflies and put tags on them. Then the scientists released the butterflies so that they could continue on their journey. The following day, one of the tagged butterflies was recaptured.

It had flown more than 250 miles! The butterflies are able to travel so far because they glide with the wind. They fly smoothly and easily. They don't travel far by flapping their wings. That takes too much energy. Like birds that fly high in the air, monarch butterflies use air currents to rise in the air and soar. With their wings spread wide, they ride on the wind.

Each butterfly goes on its journey alone. At night, however, the butterflies cluster. They gather in bunches and crowd together on tree branches. Hundreds can be seen, quiet and stationary, covering the trees. Although the butterflies don't have eyelids to shut their eyes, they do rest. In the morning, they ascend into the air once again and go on their way.

Context Clues Strategy

Look for What Kind of Thing the Word Is

EXAMPLE Moving their wings quickly and lightly, the butterflies fluttered in the air.

CLUE The phrase moving their wings quickly and lightly tells what kind of action fluttered is.

Here is another strategy for using context clues to understand new words.

READ Read the sentence with the unknown word. Read a sentence or two around it.

The butterflies are able to travel so far because they glide with the wind. They fly smoothly and easily.

LOOK Look for context clues. What words tell you what kind of thing the word is?

The words fly smoothly and easily tell what kind of action glide is.

THINK Think about the context clues and other information you already know.

I know that paper airplanes glide through the air.

PREDICT Predict a meaning for the word.

The word glide must mean "to fly smoothly and easily."

CHECK Check the dictionary in the back of this book to be sure of the meaning.

The word glide means "to move smoothly."

Unlock the Meanings

Practice the Strategy Here is another unfamiliar word from the article about monarch butterflies on page 48. Use the context clue strategy on page 49 to figure out the meaning of the word.

cluster

READ Read the sentence that uses the word cluster. Read some of the sentences around the word.

LOOK Look for context clues to the word's meaning. What words can you find that tell what kind of thing cluster is?

THINK Think about the context clues. What other helpful information do you know?

PREDICT Predict a meaning for the word cluster.

CHECK Check the dictionary in the back of this book to be sure of the meaning of the word cluster. Which meaning for the word cluster fits the context?

Use Context Clues

The two vocabulary words that you have learned so far are clustered in the word list. In the first column, write the other eight words from the word list. Use context clues to predict a meaning for each word in the second column. Then check the meanings in the dictionary in the back of this book. In the third column, write the definition that fits the context.

Vocabulary Word	Your Prediction	Dictionary Says
1		
2		
3		
4		
5		
6		
7		
8		

Process the Meanings

Find the Opposite Choose a word from the word list that is the opposite or nearly the opposite of the word or words. Write your answer on the line.

1. moving _____

2. to build _____

3. to free _____

4. to spread out _____

5. past a specific path _____

Choose the Correct Word Read each sentence. Write the word from the word list that best completes each sentence. Use each word only once.

6. I hit the tennis ball _____ the court.

7. By climbing the stairs, we _____ to the next floor.

8. During our hike, we used a _____ to point us in the right direction.

9. Watch these toy ducks. They _____ smoothly down the stream.

10. Looking up, we love to see the airplanes _____ high in the sky.

Apply What You've Learned

Demonstrate Word Knowledge Answer the questions below.

1. Why might you need to use a compass?

2. Why might you want to ride on a stationary bicycle?

3. How might you travel across a river?

4. Why might you want to capture a bug?

5. Why might you be released from school early?

6. When might you glide on ice?

7. How might you ascend to the fourth floor of a building?

8. Why might you need to find a new route to a friend's house?

9. When might you begin smart?

10. Why might students cluster around their teacher?

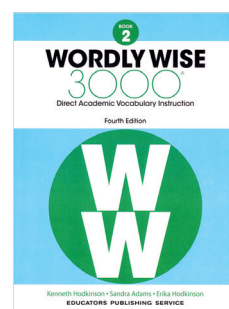
Wordly Wise 3000® (Fourth Edition)

Grades K~12 ▶ Educators Publishing Service

Wordly Wise 3000® 4th Edition provides direct academic vocabulary instruction to develop the critical link between vocabulary and reading comprehension.

- ▶ New engaging, research-based activities align with current state and national standards and assessments and provide a greater variety for students.
- ▶ Students engage with their peers during “Turn and Talk” activities by discussing and acting out word knowledge.
- ▶ Differentiated reading passages, and instructional support allow teachers to work with students performing below-grade-level.
- ▶ **Wordly Wise 3000®** partners with Quizlet. These study and game activities offer additional reinforcement for vocabulary words.

- ▶ 一套依美國小學課綱所編寫的學科字彙養成書，幫助孩子一面擴充單字量一面增進文章的閱讀理解力。全套共 13 冊，從幼兒到青少年，Grade K 共四單元，Grade 1 共五單元，Grades 2~12 每冊 20 單元，每四單元一次複習活動。
- ▶ 書中字彙為美國課綱中各級教科書的常見單字，再分別依重要程度、實用性和難易度挑選出合適的單字。
- ▶ 線上練習 Quizlet 平台，讓學生透過小遊戲自主學習複習單字，標記儲存詞彙加強長期記憶。教師可檢視學生練習的狀況，進行補救教學。
- ▶ 在 Grades K~1 教師可使用圖片說故事，透過聽覺與圖片引導學習新單字，對不同程度的學生作差異化教學。
- ▶ 在 Grades 2~12 教師依課程設計，從單字的定義解釋、字義練習應用，最後以主題討論及簡單寫作活動統整單元所學。



For students

Student Book + Quizlet Access Code*

* 密碼卡有效期間為印製日期後 24 個月，登入後可使用 12 個月，印製日期請參考書內的版權頁。

For teachers

Teacher's Resource Book
Teacher's Resource Pack (Gr. K~1)
Concept Cards (Gr. K~1)
Picture Cards (Gr. K~1)
Answer Key (Gr. 2~12)
Test (Gr. 2~12)



Quizlet

1E Vocabulary in Context
Read the passage.

Friends for Life

The **concept** that trained dogs could act as eyes for visually disabled people developed at the beginning of the twentieth century in Germany at a remarkable school. The pupils were not humans; they were dogs who learned how to lead people who were blind. The notion caught on quickly. Guide dogs, or Seeing Eye dogs as they are also known, began to be trained in many countries. They are now a familiar sight. These **patient** and loyal animals lead their **companions** everywhere they go. They enable their owners to make their way in the world almost as well as sighted persons.

Not every breed of dog has the exceptional qualities that make a good guide. Seeing Eye dogs must be **alert** at all times, so dogs that are easily **distracted** are not suitable candidates for this exacting job. Labrador retrievers, German shepherds, and boxers make excellent guides. They are smart and easy to train, and they usually get along with people. During its training, the dog is escorted to many kinds of busy places. This is to get it **accustomed** to anything that might occur. A dog is trained in large stores, noisy airports, and crowded restaurants. It rides on buses and in taxis. It is pushed and poked. It learns to disregard anything that might cause its attention to wander.

The Seeing Eye dog is responsible for steering its owner with the utmost care past any **obstacles**. On busy sidewalks, the dog must skillfully weave its way around other **pedestrians**. This is to ensure that its owner doesn't get **jostled**. A guide dog is trained to come to a stop just before it reaches a curb; this is the way it informs its owner to take a step up or down. A guide dog learns to be **obedient**, of course. But it is also taught that there may be situations where it must disobey. For example, say its owner tells it to cross a street when a car is coming. It won't **budge** until it determines that it is safe to cross. While it is being trained, a guide dog is never punished for making a mistake; on the contrary, it is encouraged to do better by being rewarded with praise.

When the training is complete, a guide dog is **assigned** to its new owner. The two of them need to be **compatible**; they will be together for a long time. The size, weight, and nature of both are taken into consideration. A **burly** person might be more comfortable with a large dog. A person who

8 Lesson 1

accustom
alert
assign
budge
companion
compatible
concept
distract
jostle
obedient
obstacle
patient
pedestrian
retire

Lesson 1 Word List

Study the definitions of the words. Then do the exercises that follow.

accustom
a kus tam
v. To make familiar.
Every fall the students **accustom** themselves to the new schedule.
accustomed adj. 1. Usual.
We sat in our **accustomed** places.
2. Used to.
My eyes soon became **accustomed** to the dark.
Talk to your partner about something at school you had to become accustomed to.

alert
a lert
adj. Watchful; wide-awake.
The shortstop was not **alert** and missed the catch.
v. To warn to be ready.
A sign **alerted** drivers to the flooded road ahead.
n. A warning signal.
Because of the forest fires, the nearby towns have a fire **alert**.

assign
a sijn
v. 1. To select for a position or for what has to be done.
For this year's basketball team, the coach **assigned** me to play as a forward.
2. To give out, as a piece of work to be done.
Our science teacher usually **assigns** two chapters a week as homework.
assignment n. Whatever is given out as work to be done.
What was the **assignment** for tomorrow's history class?
Tell your partner about the teacher you were assigned to last year.

budge
bu di
v. To move or shift.
The old metal trunk was so heavy we could not **budge** it.

burly
bar le
adj. Big and strongly built.
Most football players are quite **burly**.

companion
kam pan yon
n. One who spends time with or does things with another.
My grandmother was always an interesting **companion** when we went to the city for the day.

Wordly Wise 3000® - Book 5 1

1 Vocabulary Extension

concept
noun An idea that shows how something is or how it should work.
Academic Context
In art, you will practice the **concept** of using different shades of color to produce different effects.
Word Family
concept (noun)
conceptual (adjective)

Discussion & Writing Prompt
Think about your science class. Describe a **concept** you learned about recently.

1 min 1. Turn and talk to your partner or group.
Use this space to take notes or draw your ideas.

2 min 2. Write 2-4 sentences.
Be ready to share what you have written.

12 Lesson 1

Maverick Early Readers

PreA1~A1 ▶ Maverick Arts Publishing

Maverick Early Readers use the UK's Institute of Education's Book Bands. Book Bands are a series of levels organized by color. By levelling books in this way, it establishes a solid base for children learning to read. All color bands are checked by the Institute of Education before publication by two educational consultants.

▶ Written in Natural English

Some early readers are written with the repetition of a specific phonics. This can make the flow of the story unnatural. Our early readers are still phonic-based but focus more on the flow of the text.

▶ Audio Available

It is important to hear a language spoken in order to learn to read that language. Our pink, red, yellow and blue books have audio available in the form of a video which highlights specific words.

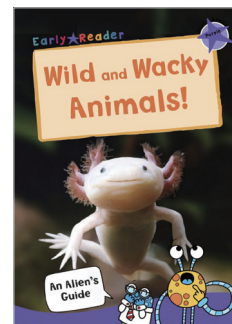
▶ Guided Reading Scheme

Our books levelling is aimed at guided reading, meaning that they are taking into account that a child will be sharing their reading experience with an adult.

▶ 本套讀本採用英國當地學校廣泛使用的「Book Band」閱讀分級系統。針對故事主題、單字難易、語言結構、內容複雜度，以顏色區分由易至難分為十級：粉紅色、紅色、黃色、藍色、綠色、橘色、藍綠色、紫色、金色及白色。

▶ 主題豐富，融合日常生活與想像創作，畫風多元可愛，帶領孩子進入繽紛有趣的閱讀世界。培養孩子獨立閱讀能力的同時，也增進拼讀能力與提升字彙量。

▶ 部分讀本提供線上資源，包含朗讀影音檔、著色頁、填空及尋字遊戲，Gold 及 White 級數更提供 Quiz 試題電子檔，可提升親子共讀或課堂活動的豐富度。



Resources

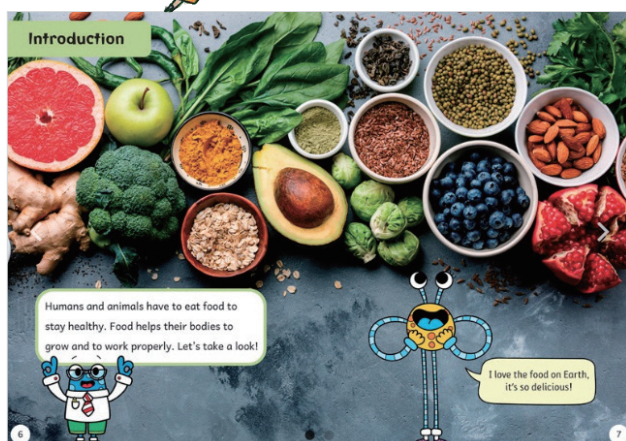


More Info

Maverick Early Readers



Book Band	字彙量	特色
Pink	30-50	★ 認識字母大小寫 ★ 適合搭配發音課程 ★ 每本含兩個故事
Red	60-90	★ 認識字母大小寫 ★ 適合搭配發音課程 ★ 每本含兩個故事
Yellow	110-140	★ 每本附五題小測驗，可掌握故事情節
Blue	150-200	★ 開始使用過去簡單式 ★ 故事背景及類型多元
Green	200-300	★ 培養預測等閱讀技巧
Orange	300-450	★ 主題明確，如「制止霸凌」、「勇敢」、「友誼」等 ★ 「An Alien's Guide 系列」以 non-fiction 拓展閱讀視野
Turquoise	600-800	★ 句構和文長增廣
Purple	800-1,000	★ 增加討論人物角色及動機
Gold	1,000-1,300	★ 故事增長，單詞程度仍在詞彙範圍內
White	1,300-1,500	★ 故事情節較複雜，需運用推理及其他背景知識輔助理解



Purple: Food for Thought



Gold: Scary Scott

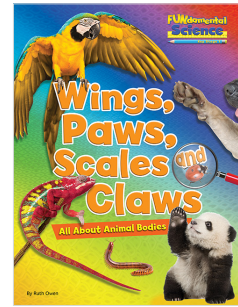
Key Stage 1 ► Ruby Tuesday Books

Fascinating explanations of natural phenomena and hands-on opportunities to observe and investigate the world around them, will have readers excited and curious to do more and more science!

► Key Features:

- ✓ High-interest, accessible text
- ✓ Brings STEM to life for young students
- ✓ Striking and beautiful images
- ✓ Close picture and text match
- ✓ Age-appropriate, informative diagrams
- ▶ Each book gives readers the opportunity to:
 - ✓ Observe and experience
 - ✓ Ask questions
 - ✓ Use simple scientific equipment
 - ✓ Use their math knowledge
 - ✓ Collect, record and analyze data
 - ✓ Communicate their ideas
 - ✓ Build their scientific vocabulary
- ▶ This series will be supported with free downloadable teacher resources. www.rubytuesdaybooks.com/scienceKS1

- 全套陸續出版中，每冊一主題，含認識氣候、動植物、人類、健康習慣及日常生活用品等。
- 本系列讀本以 STEM 概念編寫而成，讓孩子在學習英語的同時增進同儕關懷合作、辨識、推理賞析的能力。
- 全套讀本以真實情境圖片，引發孩子對自然現象的好奇，透過討論、問答、實驗、手作體驗等活動，深入探索每個主題，打造孩子跨學科能力的基礎及尊重生命的態度。
- 每單元從「小提點」延伸主題，設計一系列跨學科活動，讓孩子從學中做、從做中學。部份單元可搭配線上學習單，做複習討論。
- 每冊最後一頁附認讀字彙表 (Glossary)，在文章中先以粗體標示，讓學生透過閱讀上下文理解認讀字，提升閱讀技能。



Resources



Wings, Paws, Scales and Claws



Everyday Materials



Let's Investigate Plastic Pollution

Science Essentials

Key Stage 2 ▶ Ruby Tuesday Books

Fascinating explanations of natural phenomena and hands-on opportunities to observe and investigate the world around them, will have readers excited and curious to do more and more science!

Key Features:

- ✓ Experiments and investigations
 - ✓ Discussion topics & critical thinking questions
 - ✓ Brings STEM to life for young students
 - ✓ Beautiful images and a high impact design
 - ✓ Experiments and investigations
 - ✓ Discussion topics & critical thinking questions
 - ✓ Brings STEM to life for young students
 - ✓ Beautiful images and a high impact design
- Each book gives readers the opportunity to:
- ✓ Ask questions and use scientific enquiries and evidence to answer them
 - ✓ Set up simple practical enquiries and tests
 - ✓ Make observations, take measurements, use scientific equipment
 - ✓ Gather, record, classify and present data using scientific language, drawings, labelled diagrams and charts
 - ✓ Use results to draw conclusions, make predictions and ask new questions

The series is supported with free downloadable teacher resources and worksheets. www.rubytuesdaybooks.com/scienceKS2

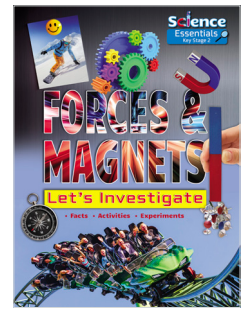
全套陸續出版中。每冊一主題，涵蓋動植物、人體、地球與太空、電學、磁力及物質三態等進階科學主題。每冊 13 個單元，一跨頁即為一單元。

全套讀本以真實情境圖片，引導讀者深入進階的自然科學領域。

透過 Let's Talk 問題討論、蒐集資料、觀察、實驗設計、測量與記錄等實驗步驟，培養圖表分析、預測實驗結果等科學思維邏輯，提升解決問題的能力。

每冊提供豐富的學習資源免費下載，包含三個趣味提問、尋字遊戲及課程延伸學習單，可搭配設計多樣課程活動。

每冊讀本以粗體標示認讀字，鼓勵讀者先透過閱讀上下文理解字彙，再至「認讀字彙表 (Glossary)」查詢字義；「重點字彙附錄 (Index)」中，記錄高頻率出現的跨領域字彙，讓讀者清晰掌握重點字彙。



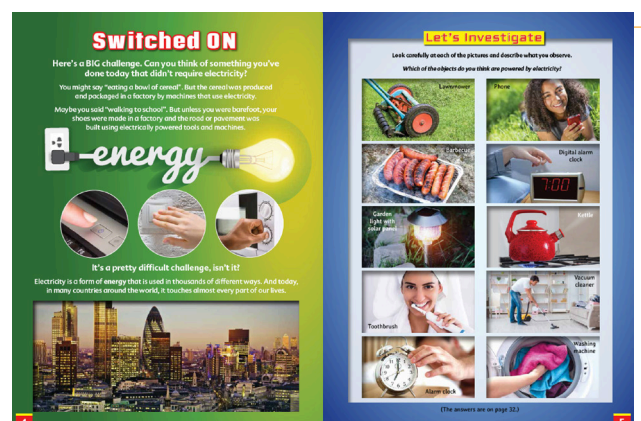
Resources



Forces & Magnets: Let's Investigate



Plants: Let's Investigate



Electricity: Let's Investigate

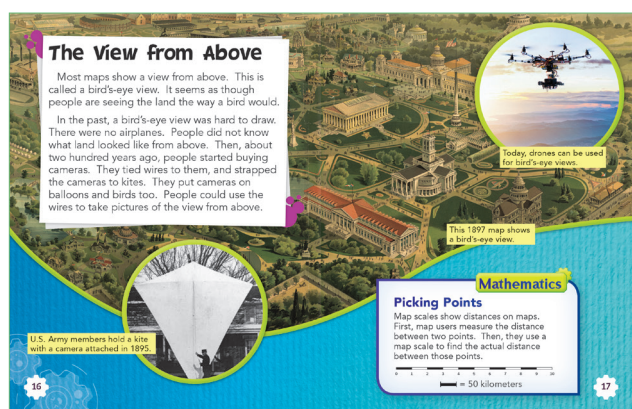
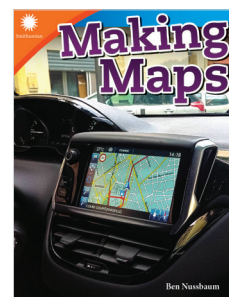
Smithsonian STEAM Readers

Grades K~5 ▶ Teacher Created Materials

Created in collaboration with the Smithsonian Institution, this dynamic series engages students with high-interest readers that highlight all aspects of STEAM: science, technology, engineering, the arts, and mathematics. Through hands-on STEAM activities, students will learn how the engineering design process is used to solve real-world problems.

- ▶ Challenge students to explore, collaborate, and solve problems through hands-on, minds-on learning.
- ▶ Strengthen literacy skills and content-area knowledge with high-interest readers and easy-to-implement lessons.
- ▶ Apply the engineering design process to solve real-world problems.
- ▶ Engage in student-centered activities that support makerspaces and project- or problem-based learning objectives.
- ▶ Build skills to give, receive, and apply effective feedback and promote ongoing reflection.
- ▶ Make career connections with career advice from Smithsonian employees working in STEAM fields

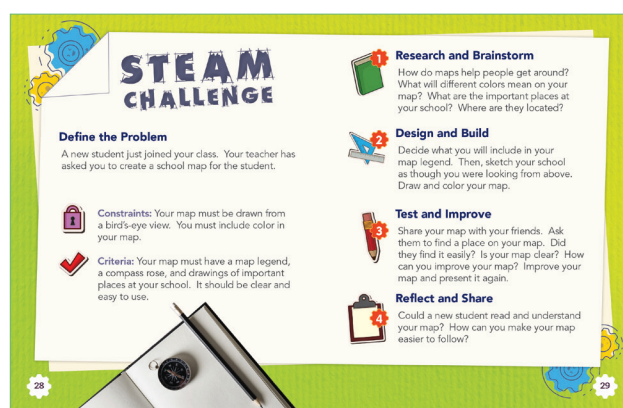
- ▶ 本系列讀本由 Teacher Created Materials 出版社與美國史密森研究協會 (Smithsonian Institution) 攜手打造，共分為六個級數 (Grades K~5)。結合 STEAM 教育精神與跨學科領域主題，透過程度分級的閱讀內容及手作實驗，培養新世代學習者的創意思維、設計能力及人文關懷力。
- ▶ 每本讀本皆涵蓋科學、科技、工程、藝術、數學五大元素，訓練閱讀力的同時，更全方位提升 STEAM 知能。
- ▶ STEAM Challenge 活動以「確認問題→研究與思考→設計與執行→測試與改善→反思與分享」步驟，訓練解決問題的能力。
- ▶ 提供單書版及 6-Pack 版。讀本後附重要詞彙表、索引及職涯規劃建議。6-Pack 版提供教師手冊及同品項讀本 6 入，教師手冊含完整教案、學習單、評量及解答。



Making Maps, Grade 2



Making Maps, Grade 2



Making Maps, Grade 2

Language
Arts

Math

Science

Social
Studies

Test
Preparation

Learning
Resources