

How PYP educators can use this collection

This book collection is for PYP educators and is grouped around the six transdisciplinary themes to support teaching and learning, and foster student agency, transdisciplinary understanding, and international mindedness. These groupings are suggestions, and many books will support other themes and their related concepts as teachers see fit. Several titles can also be used to support core PYP principles, such as *How to Make a Better World* and *DK Findout!* books for service projects, *My Mixed Emotions* and *Life Skills* for social and emotional learning support, or *What a Waste: Trash, Recycling, and Protecting our Planet* and *Recycle and Remake* for inspiration on how local actions can have positive global impacts.

| Transdisciplinary themes | Suggested book titles |
|--------------------------------|---|
| Who we are | <ul style="list-style-type: none"> ● Life Skills ● Calm: Mindfulness for Kids ● My Mixed Emotions |
| Where we are in time and place | <ul style="list-style-type: none"> ● Children Just Like Me ● DK Readers L3: School Days Around the World ● Children’s Illustrated History Atlas |
| How we express ourselves | <ul style="list-style-type: none"> ● Festivals and Celebrations ● The Met Lost in the Museum ● How to Be an Artist |
| How the world works | <ul style="list-style-type: none"> ● The DNA Book ● Science! ● 100 Inventions that Made History |
| How we organize ourselves | <ul style="list-style-type: none"> ● How to Make a Better World ● Show Me the Money ● Recycle and Remake |
| Sharing the planet | <ul style="list-style-type: none"> ● What a Waste ● DKfindout! Garbage ● DKfindout! Climate Change |

Nonfiction study

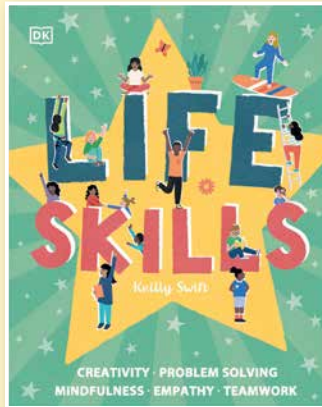
DK’s nonfiction, highly illustrated books are filled with expert, thorough, and fact-filled writing to support the PYP’s approach to teaching and independent student inquiry. The books’ content is accessible, enjoyable to read, and designed with young readers in mind through pages that clearly chunk information into different visual elements. The suggested activities in this guide are therefore based around a nonfiction study of key features.

Support for ATL skills and learner profile attributes

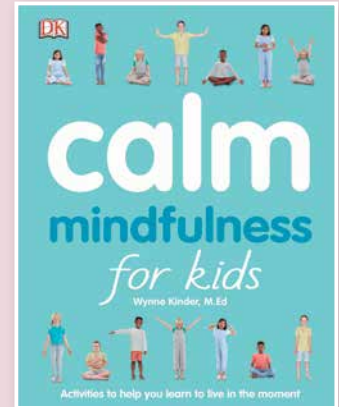
These activities will encourage the development of all approaches to learning (ATL) skills, while reinforcing the learner profile attributes of inquirers, thinkers, and knowledgeable communicators. As students explore each book, they will discover the transdisciplinary themes and find opportunities to further develop their caring, open-minded, reflective, balanced, and risk-taking sides through the content and ideas they read about.

Books included in this collection

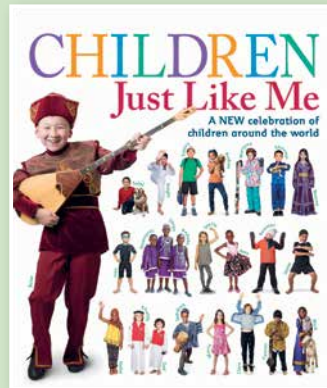
Life Skills is a solution-packed resource to help students get in touch with their thoughts, feelings, and coping skills. It encourages students to explore the power of their own voices, to make healthy choices, and take actions that have positive impacts on themselves and others.



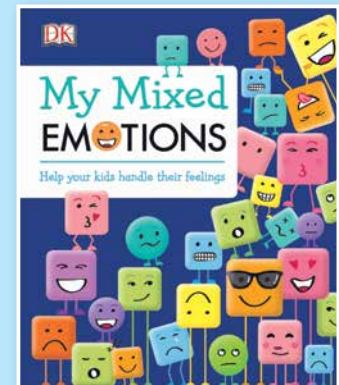
Calm: Mindfulness for Kids is filled with practical tips and exercises to help children manage their emotions, develop positive daily routines, and live in the moment. Suggestions include mindful techniques for breathing, showing gratitude, eating, sleeping, moving, and sharing kindness with others.



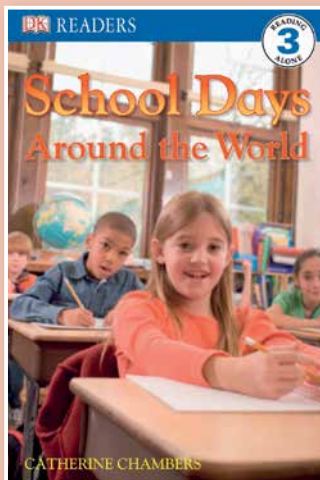
Children Just Like Me features a range of children from countries around the world in North America, Europe, South America, Africa, Asia, Southeast Asia, and Australasia. It celebrates their differences and similarities in ways of eating, dressing, and learning, but ultimately focuses on how each child is unique.



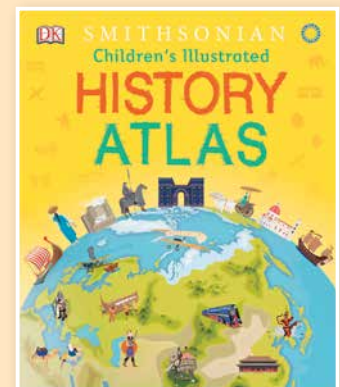
My Mixed Emotions supports student agency through social and emotional learning by helping students recognize and deal with all their feelings, good and bad. Happiness, anger, fear, and sadness are explored through topics such as what causes them, how they affect us, and how we can respond.



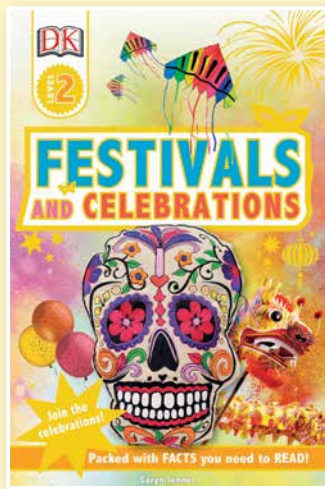
DK Readers L3: School Days Around the World will let students find out what school is like for children in different countries. They will enjoy discovering how they get to school, what their classrooms are like, what sorts of lessons they have, and what they do for fun.



Children's Illustrated History Atlas will take students on a time-traveling adventure around the globe through detailed maps showing parts of the world at different times in history. Students will see how much has changed in the world over time, including borders, cities, rulers, ideas, and relationships.



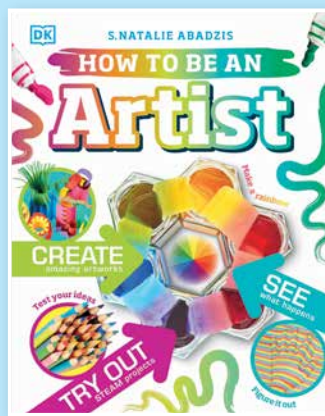
Festivals and Celebrations supports international-mindedness by taking younger readers on a journey around the world through stunning, colorful photos that show how different cultures celebrate significant holidays throughout the four seasons.



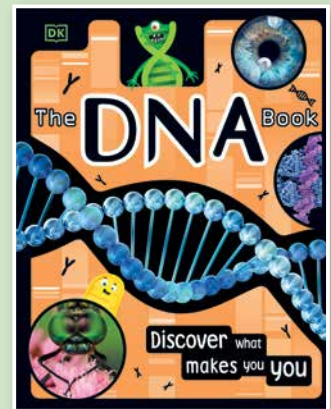
The Met Lost in the Museum is a fun, seek-and-find adventure where students must follow the clues to help the main character navigate her way out of this world-famous museum. Along the way, readers will discover some of the most beautiful and rarest art objects from around the world.



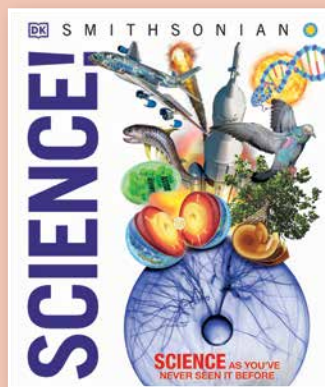
How to Be an Artist is a hands-on book that uses a range of fun STEAM activities to help students discover their inner artists. Students will develop their artistic skills through different mediums, such as drawing, painting, making, nature, photography, and animation. They will learn about famous artists along the way and the positive effects that art has on us.



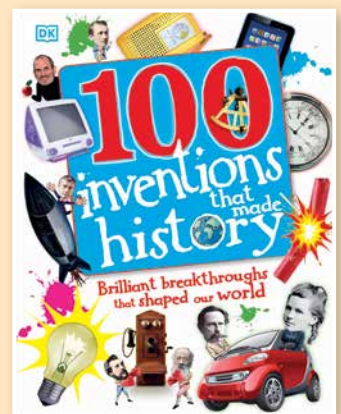
The DNA Book gives students an in-depth look at DNA and its role in all living things—from why we have different-colored eyes to why we age. Children will discover what DNA is, what it does, and how it shapes our lives, including inheritance and why we look like our parents; forensic science and how DNA evidence helps catch criminals; and genetic engineering and whether we could bring dinosaurs back to life.



Science! explores a wide range of knowledge from atoms to the secrets of the universe. Through highly illustrated diagrams and photographs, students can read about types of matter, the elements, chemical reactions, different materials, energy and forces, space and earth, and life in general. The reference section at the back includes additional facts such as timelines and classifications of life.

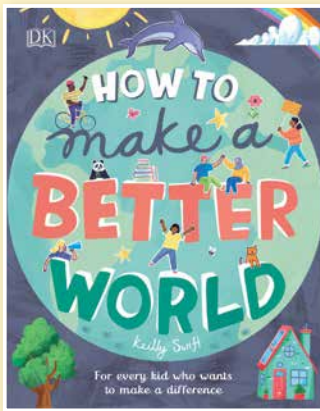


100 Inventions that Made History is for students interested in design and technology. This book will teach readers all about gadgets throughout history, starting with the wheel, through electric motors and the bicycle, to television, flushing toilets, safety pins, Post-it notes, antibiotics, vaccinations, dentures, and so much more.



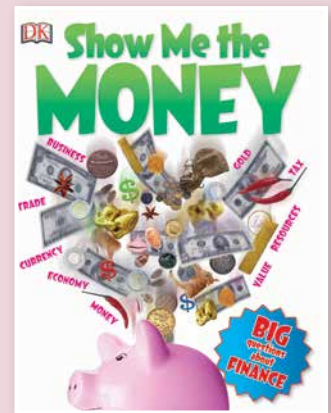
How to Make a Better World

provides inspiration and guidance for students seeking service activities in their communities. Students will learn about what a community is, how to be an activist, volunteering, raising money, and getting their voices heard. Lots of ideas are shared, such as how to get involved with causes for animals, climate change, discrimination, the plastic problem, and other conservation efforts.



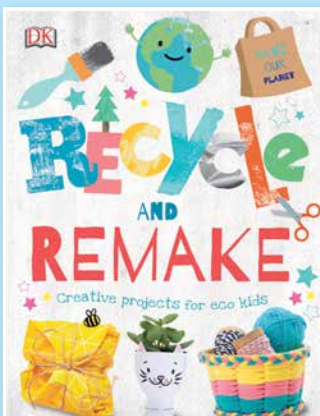
Show Me the Money

has been classed under the transdisciplinary theme of how we organize ourselves and will help students understand where money comes from, how it works, and how it generally makes the world go round. It begins with what money actually is and continues with how to spend and save it, markets, consumers, and the global economy.



Recycle and Remake

will empower students to be more environmentally conscious through its hands-on, creative activities that teach students the importance of Earth's limited resources and how we can remake what we already have into something new and beautiful. Projects work with plastic, wood, cardboard, clothing, and food.



What a Waste will teach students all about how waste is created, where it goes, and the impact it is having on the planet. Even more importantly, the book educates readers about what each individual can do to cut down on waste and how we can work toward reversing the problem.



DKfindout! Garbage

features fun facts, pictures, and quizzes to engage readers on the topics of where our waste comes from, the problems it creates, and forward-thinking solutions to reduce our garbage output.



DKfindout! Climate Change includes a timeline that students can follow to see how our climate has changed over time. They will learn about the greenhouse effect, fossil fuels, the ozone layer, deforestation, coral bleaching, carbon footprints, school strikes, and Earth defenders. Most importantly, students will come away with ideas on what they can personally do to make a positive contribution.



Activities

The suggested activities in this section are based on these key features of nonfiction books:

- How to ...
- Pictures and captions
- Table of contents and index
- Headings and subheadings
- Timelines
- Special print and glossary



How to ... books

Nonfiction books can help students follow a **sequence of instructions** to complete an activity like cooking, drawing, or building something. These instructions are in the form of numbered steps that students can follow from start to finish.

Ask students to complete **Activity 1 A/B: Follow a sequence of instructions**. Choose IA or IB according to students' age.



Pictures and captions

Pictures often appear in nonfiction books to show readers what something looks like. These pictures might be photographs, diagrams, illustrations, and even maps. Pictures help our minds remember information.

Captions are sections of writing placed beside a picture that describe in words what the picture is about. Captions are important to read, because they can teach us new information.

Ask students to complete **Activity 2: Pictures and captions**.



Table of contents and index

A **table of contents** appears at the front of a nonfiction book. It's one of the first places students should look to find out what topics are inside a book and their page numbers.

An **index** appears at the back of a nonfiction book as an alphabetical list of important topics with page numbers. The index is helpful when students are looking to see if a book has information on a specific topic.

Ask students to complete **Activity 3: Table of contents and index**.



Headings and subheadings

Headings are short words or phrases that appear once on the top of a page in bold or larger print so they stand out. They help organize information by telling the reader what the main idea is for that page, chapter, or section.

Subheadings help to break down the heading into smaller chunks or paragraphs. They usually appear in print that is smaller than the main heading, and there may be several subheadings within one page, chapter, or section.

Ask students to complete

Activity 4: Headings and subheadings.

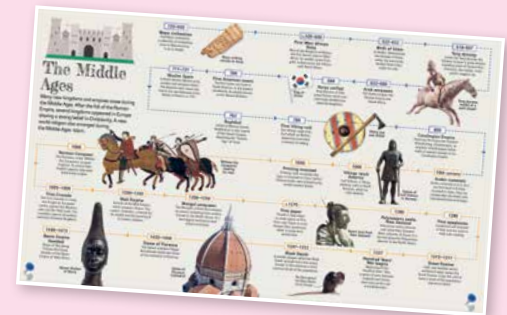


Timelines

Timelines are often used in nonfiction books to explain what happened during a certain period of time or to a particular person. They start with the earliest event and move forward through time.

Ask students to complete

Activity 5: Timelines.



Special print and glossary

Special print is often used in nonfiction books to draw attention to key words. This print may be in bold, italic, or uppercase, or have quotation marks around words.

A **glossary** is an alphabetical list at the back of a nonfiction book. It has special terms that the reader may not know and so may need to look up. Often a word in bold print will be found in the glossary for the reader to look up and learn.

Ask students to complete

Activity 6: Special print and glossary.



Nonfiction features review

Ask students to complete

Activity 7: Nonfiction features scavenger hunt to review all the nonfiction features.



Use pages 24–27 in the book *Recycle and Remake* for this activity.

Activity 1A: Follow a sequence of instructions

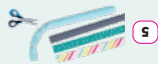
- These pictures show how to make a party piñata.
- They are in the wrong order.
- Look at the pictures on pages 24–27 in the book.
- Now put the pictures below in the correct order from 1 to 7.
- Write the numbers in the boxes.



7



6



5



4



3



2



1

Answers:

Use pages 24–27 in the book *Recycle and Remake* for this activity.

Activity 1B: Follow a sequence of instructions

- Read the steps to make a party piñata. They are out of order.
- Use the steps in the book to help you find the correct order.
- Write the number next to each instruction in order.
- The first one has been done for you.

| Instruction | Correct number |
|--|----------------|
| Cut strips of old paper and snip in little notches. | 5 |
| Ask a grown-up to poke a hole in the piñata to hang it up. | |
| Use a ruler to draw long rectangles to cut out. | |
| Draw the piñata shape on the cardboard and cut it out. | |
| Fill the piñata with sweets. | |
| Stick on the strips around the edges of the shape. | |
| Decorate your piñata with the ruffly paper. | |



Answers: 5, 7, 2, 1, 4, 3, 6

Use pages 6–15 in *Children Just Like Me* for this activity.

Activity 2: Pictures and captions

- Read the captions in the boxes.
- Find each caption in the book and draw the matching picture.
- Write the page number on which each picture and caption appears.

“The forests of the USA and Canada are home to grizzly bears, giant furry mammals that enjoy feasting on salmon.”

“This ferret’s name is Atchoum, which is French for ‘sneezy’.”

“S’mores are toasted marshmallows with chocolate between two pieces of cracker.”

“Halloween is Cymian’s favorite time of year. He goes trick-or-treating with his friends and always gets a lot of sweets.”

Answers: Grizzly bear – page 6; Ferret – page 8; S’mores – page 9; Halloween – page 12

Use the table of contents and index in the book *My Mixed Emotions* for this activity.

Activity 3: Table of contents and index

- 1 How many chapters are in *My Mixed Emotions*?

- 2 Is the introduction a chapter?

- 3 a On what page can you read about the “Green-eyed monster”?

- b What emotion is this topic about?

- 4 a What is the title on page 46?

- b Which emotion is this?

- 5 What page is the index on? Use the index to answer questions 6–8.

- 6 a What topic appears under the letter “Y”?

- b What page is it on?

- 7 The emotion “crying” appears under “C”. What is the name of the chapter that crying would be in? (*Hint: Go back and check the pages in the table of contents.*)

- 8 You can read about “laughing” on pages 17 and 19. What makes you laugh?

Answers: (1) 5; (2) No; (3) 40, angry; (4) It's hair-raising; fear; (5) 80; (6) yoga, 27; (7) Feeling sad

Use the book *What a Waste* for this activity.

Activity 4: Headings and subheadings

- 1 Look at pages 18–19 in the book. The **heading** is “Conservation”.
 - a Find some sticky notes and write “subheading” on each one.
 - b Place a sticky note next to each subheading on these pages. (*Hint:* There are seven subheadings.)
- 2 One heading in the book is: “You have the power to make a positive change”.
 - a Predict and write down three or four subheadings that might be on that page.
 - b Turn to pages 64–65 in the book and write down the actual subheadings. How did your answers compare?

My predictions

| |
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| |

The actual subheadings

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| |

Answers: (1) extinction; reintroductions; protecting our oceans; ecotourism; protecting our forests; rhino horn; hunting bans. (2) speak to your school; email a politician; be a plastic-free family; organize a litter-picking day.

Use the books *Children's Illustrated History Atlas* and *Science!* for this activity.

Activity 5: Timelines

- 1 Turn to pages 28–29 in *Children's Illustrated History Atlas*. You will use the timeline of the Middle Ages for this activity. In the table below, write down the historical event that happened next to each date. The first one has been done for you.

| Date | Historical event |
|-----------|-------------------|
| 250–950 | Maya civilization |
| 622–632 | |
| 700 | |
| 789 | |
| 1050 | |
| 1200–1350 | |
| c. 1270 | |
| 1289 | |
| 1347–1352 | |
| 1440–1473 | |

- 2 **Challenge question:** Timelines can appear in science books too, although they may look quite different. Turn to pages 200–201 in *Science!* This timeline starts with the Cambrian Period on the bottom left-hand corner of the page. Read the timeline carefully and answer these questions.

- a What creature was a relative of squid? _____
- b What were the first animals to fly? _____
- c What wiped out a quarter of all species? _____
- d What did birds evolve from? _____
- e What kind of animal was the megacerops? _____
- f What species has driven many others to extinction? _____

Answers: (1) Birth of Islam; First American towns; First Viking raid; Printing invented; Mali Empire; First paper; First eyeglasses; Black Death; Benin Empire founded (2) (a) orthoceras; (b) meganeura; (c) asteroid impact; (d) dinosaurs; (e) large mammal; (f) humans.

Use the book *100 Inventions that Made History* for this activity.

Activity 6: Special print and glossary

1 Draw lines to match each term with its correct definition.

| Special print terms | Definitions |
|---------------------|--|
| bold | print that uses all capital letters |
| italic | punctuation that looks like double apostrophes around a word |
| uppercase | print that is darker than normal |
| quotation marks | print that is slanted to the right |

2 Look at the picture on page 103 in *100 Inventions that Made History*.

a Write down two examples for each type of special print. An example has been done for you.

| | |
|------------------------|--------------------|
| bold | powdered chocolate |
| | |
| italic | |
| | |
| uppercase | |
| | |
| quotation marks | |
| | |

b What kind of special print does the word “conquistador” appear in on the page?

3 Look at the glossary on page 126 in *100 Inventions that Made History*. Find and write down the definition for “conquistador.”

Answers: (1) bold = print that is darker than normal; italic = print that is slanted to the right; uppercase = print that uses all capital letters; quotation marks = punctuation that looks like double apostrophes around a word
 (2) (a) bold = fashionable chocolate houses; italic = Only the wealthy; bars of chocolate; uppercase = CONQUISTADORS, SOLID CHOCOLATE; quotations = “Dutch cacao,” “the Great American Chocolate Bar”;
 (b) bold and uppercase (3) one of the Spanish conquerors of the Native American civilizations

Use the books and pages listed in the left-hand column of the table.

Activity 7: Nonfiction features scavenger hunt

Answer the questions to review each nonfiction feature.

| Book and page number | Nonfiction feature | Question | Your answer |
|--|--------------------------|--|-------------|
| DK Readers L3: School Days Around the World (table of contents) | Table of contents | List the names of three children and the countries they live in. | |
| Festivals and Celebrations (page 8) | Pictures and captions | What are the two world festivals mentioned in the captions? | |
| The DNA Book (page 8) | Special print | Write down a word that appears in bold print. | |
| How to Make a Better World (pages 30–31) | Headings and subheadings | List three subheadings for “How to be a great friend.” | |
| Show Me the Money | Index | What pages would you read about “coins” on? | |
| DKfindout! Garbage | Glossary | List three words that start with “m.” | |
| DKfindout! Climate Change (front inside cover) | Timeline | List the events for the years 1760s, 1994, and 2050. | |



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