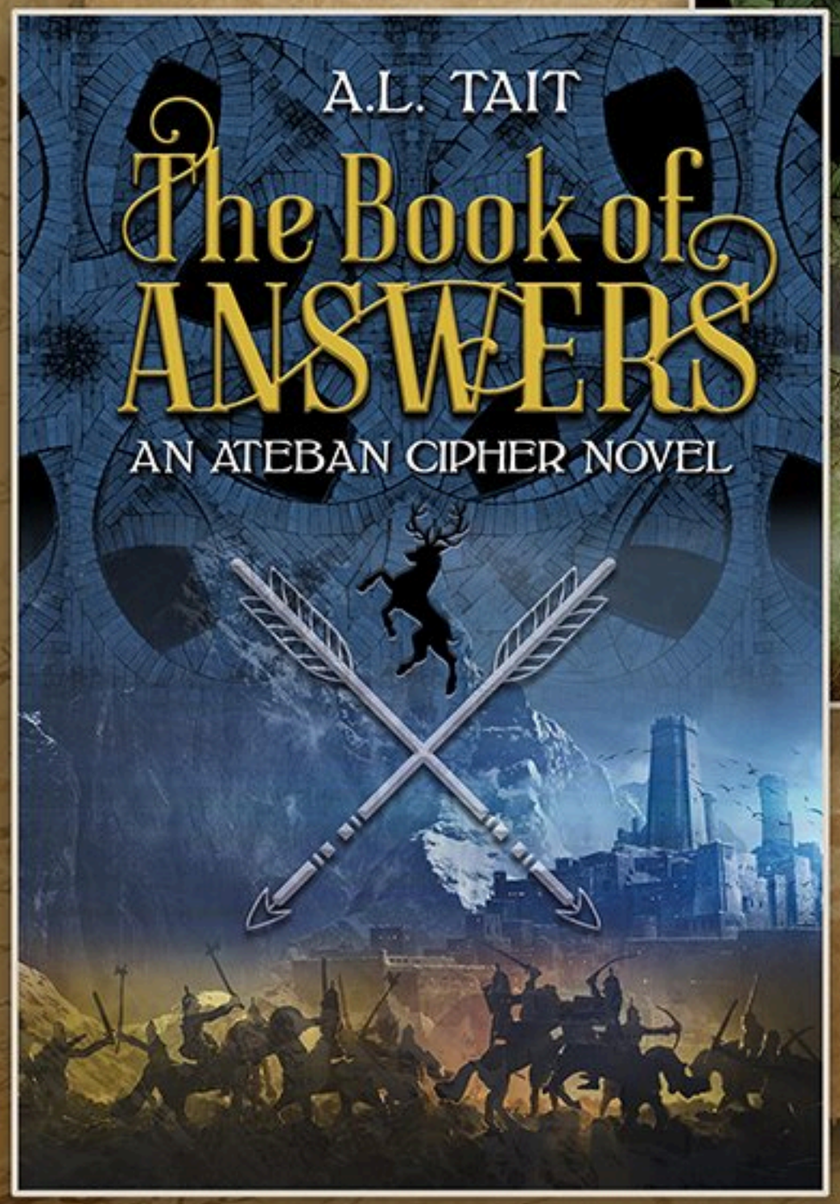

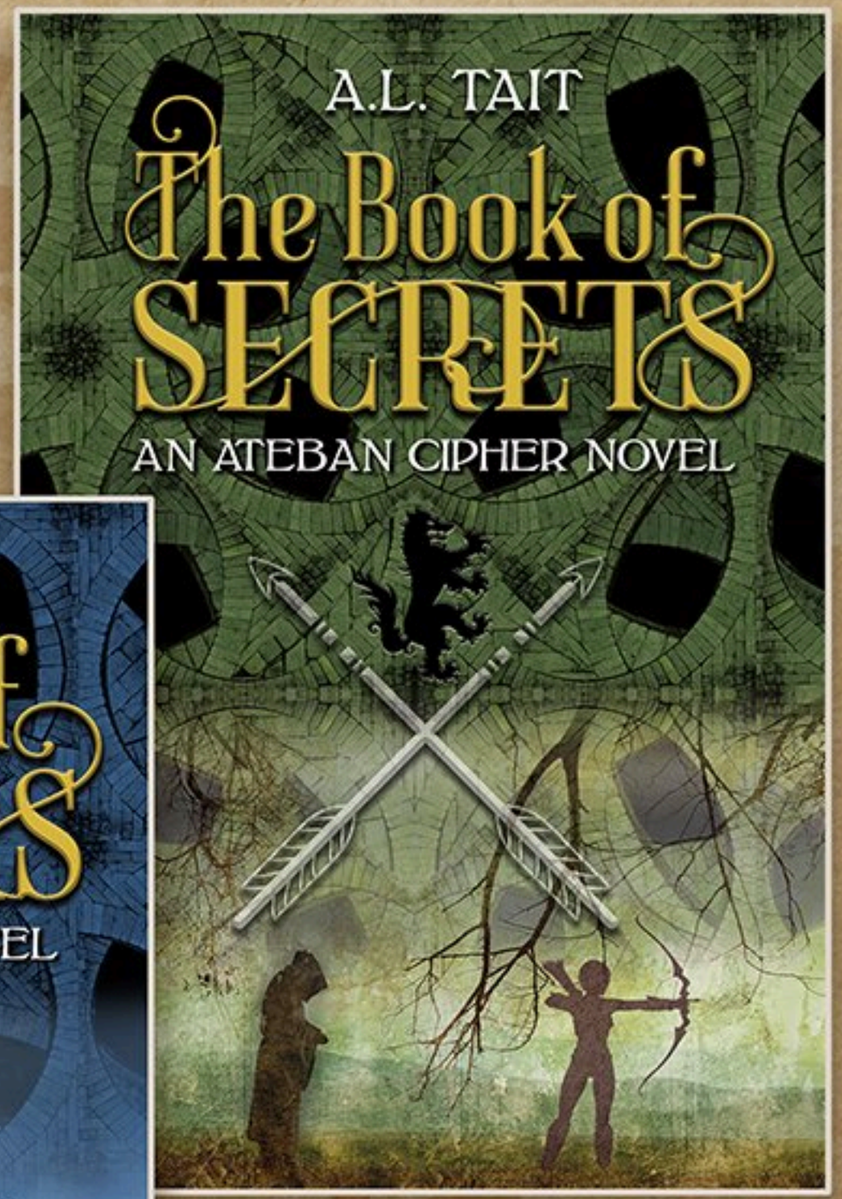

An orphan in exile.
A band of rebel girls.
A prince whose
throne has been stolen.

Come on a journey
full of danger,
intrigue, adventure
and incredible secrets.

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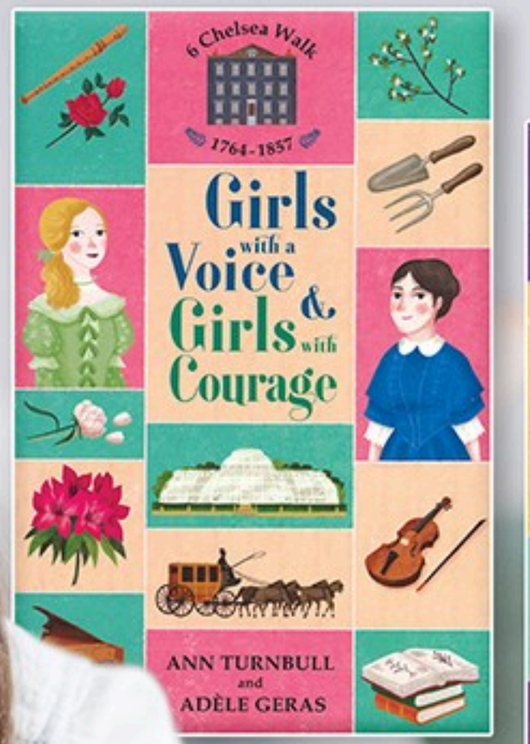
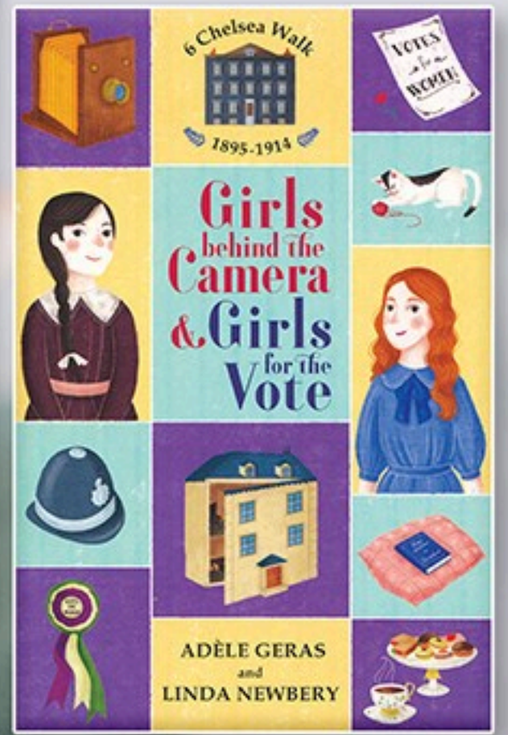
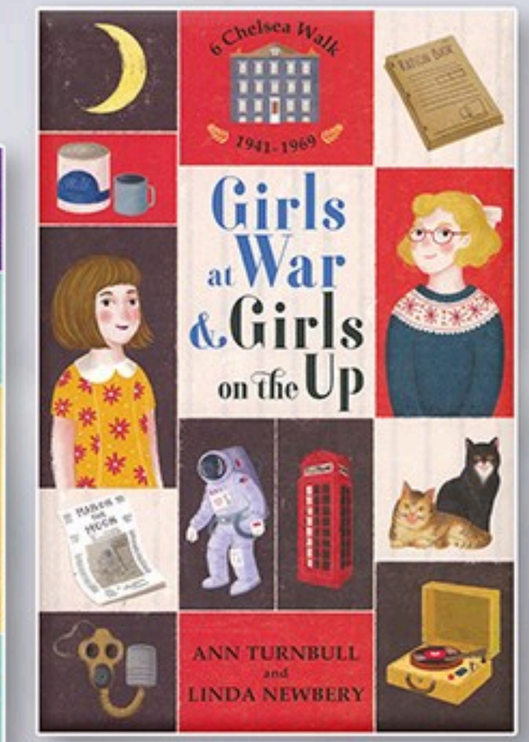


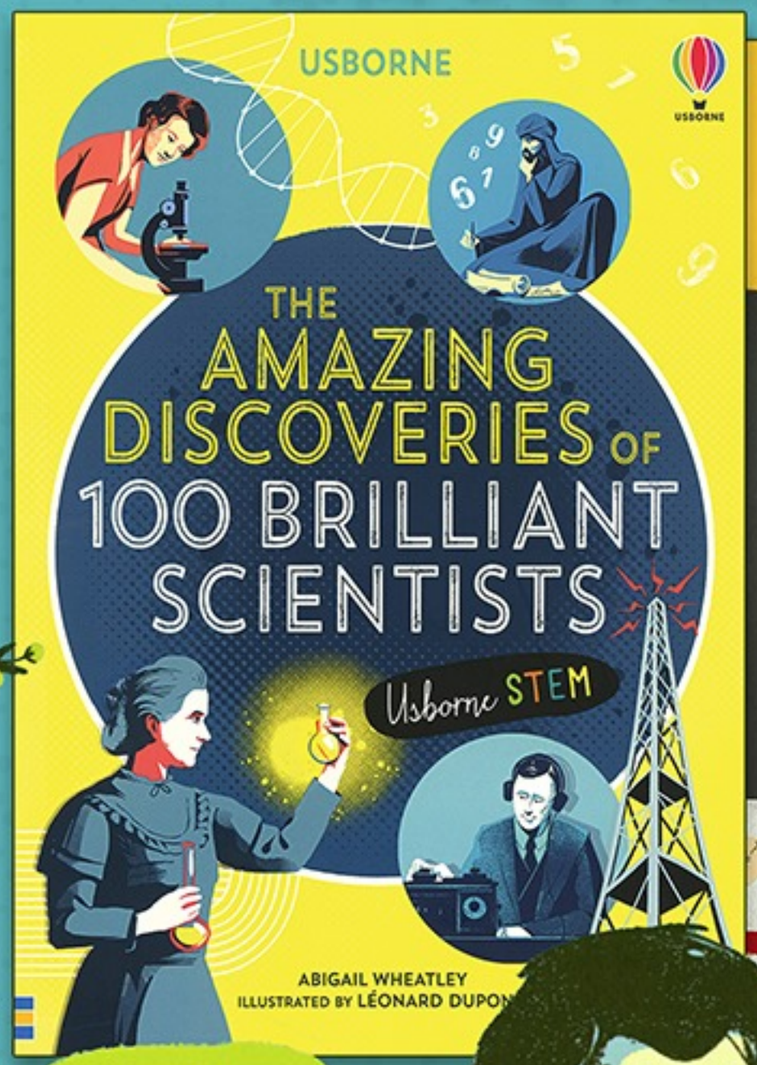


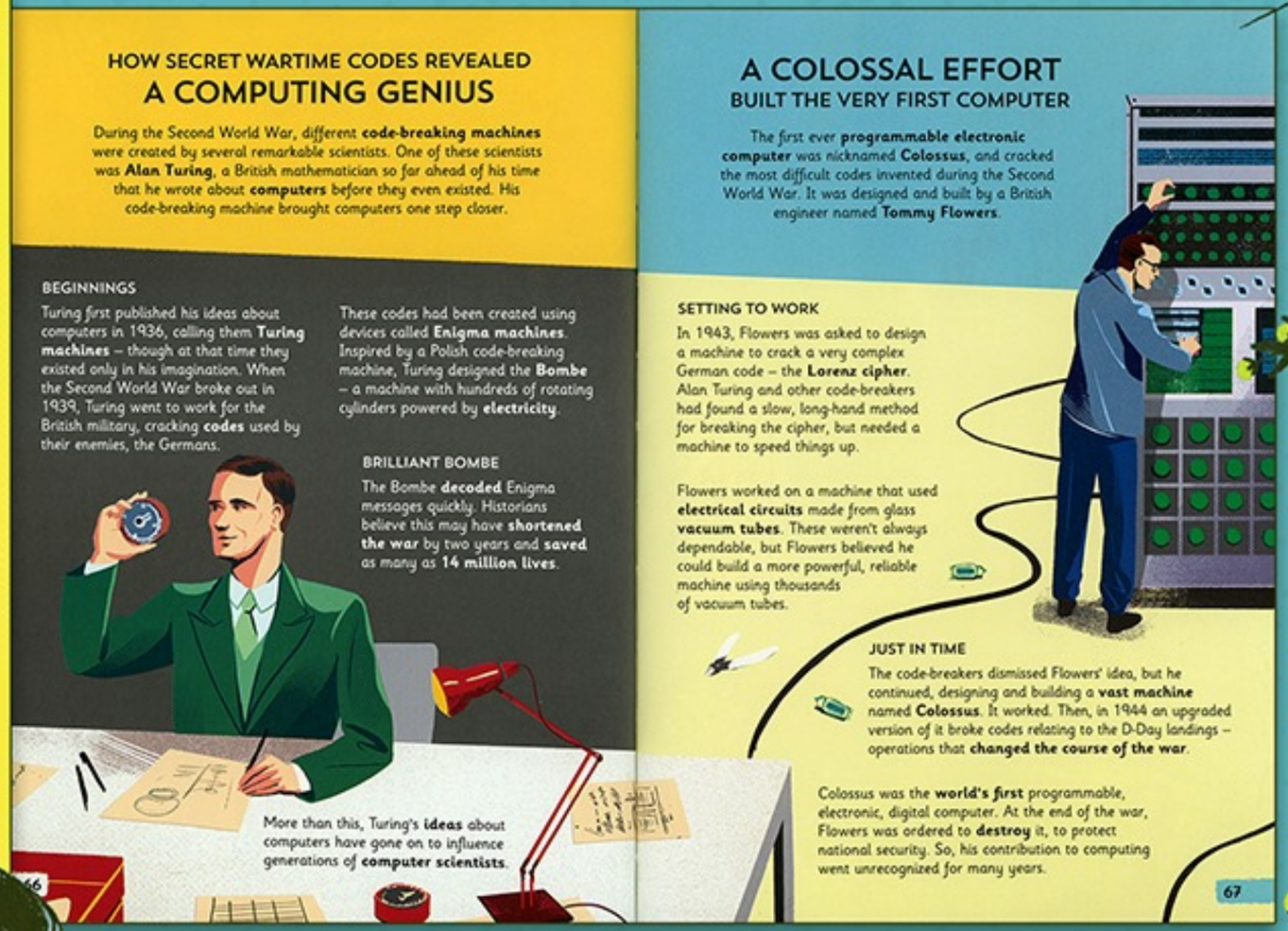


New Series

A thought-provoking series that explores feminist history in Britain through the lives of fictional characters living in one real-life house – 6, Chelsea Walk, London.

DISCOVER A BRILLIANT TITLE!





Discover the lives and incredible work of some of the greatest scientists – many of them very famous, but also some who made great contributions but are not as famous as they ought to be. Most scientists have their own page, while some scientists who worked together are grouped on one page. Learn about the amazing scientific breakthroughs they have made in this informational book, with engaging graphics.

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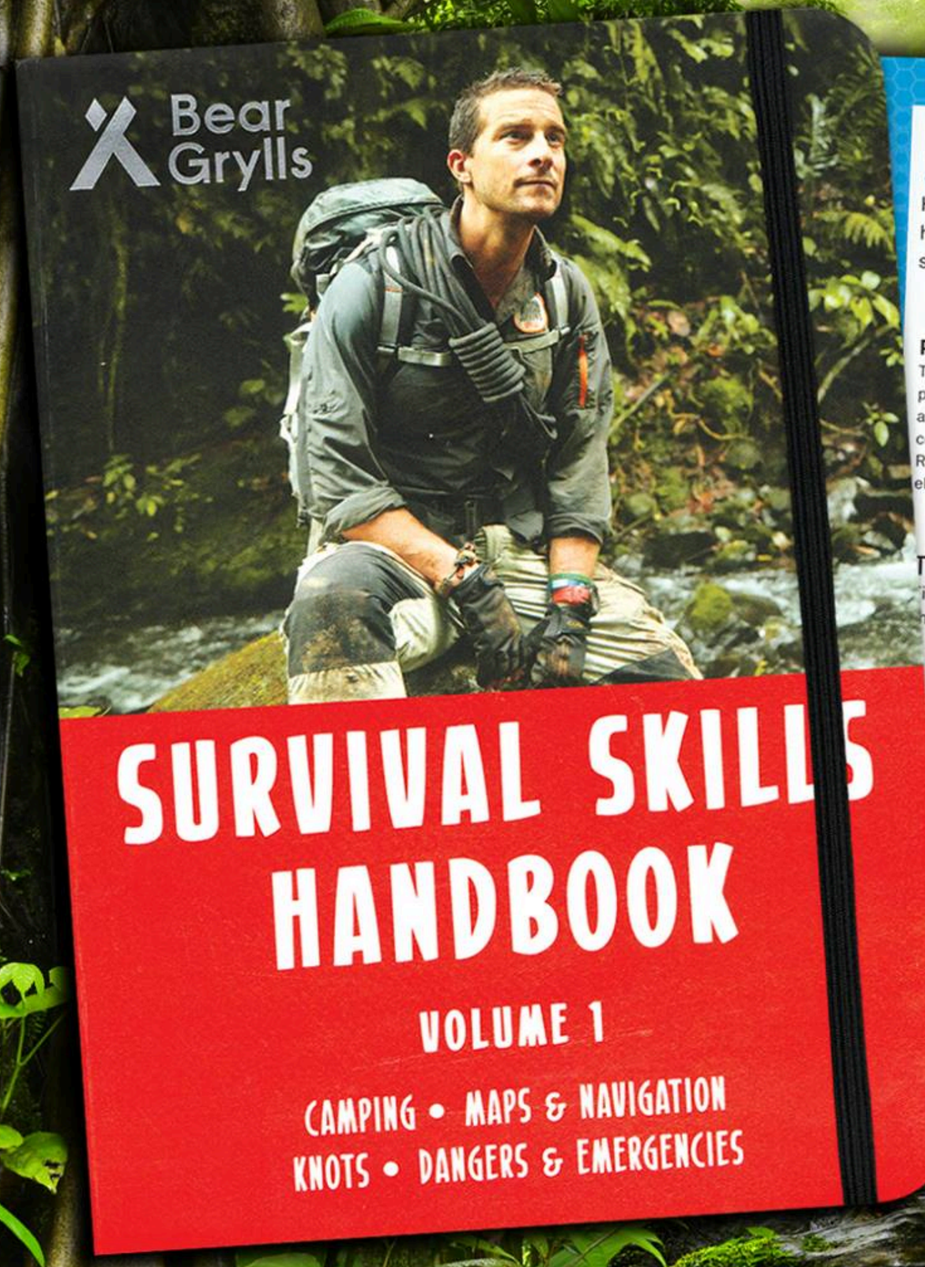
EMBARK ON AN EXCITING ADVENTURE IN THE GREAT OUTDOORS WITH BEAR GRYLLS!



Discover how to camp in the wild, find out how to spot and avoid dangers, learn how to find your way in any environment, and master amazing knots. Includes step-by-step instructions and tips from Bear!

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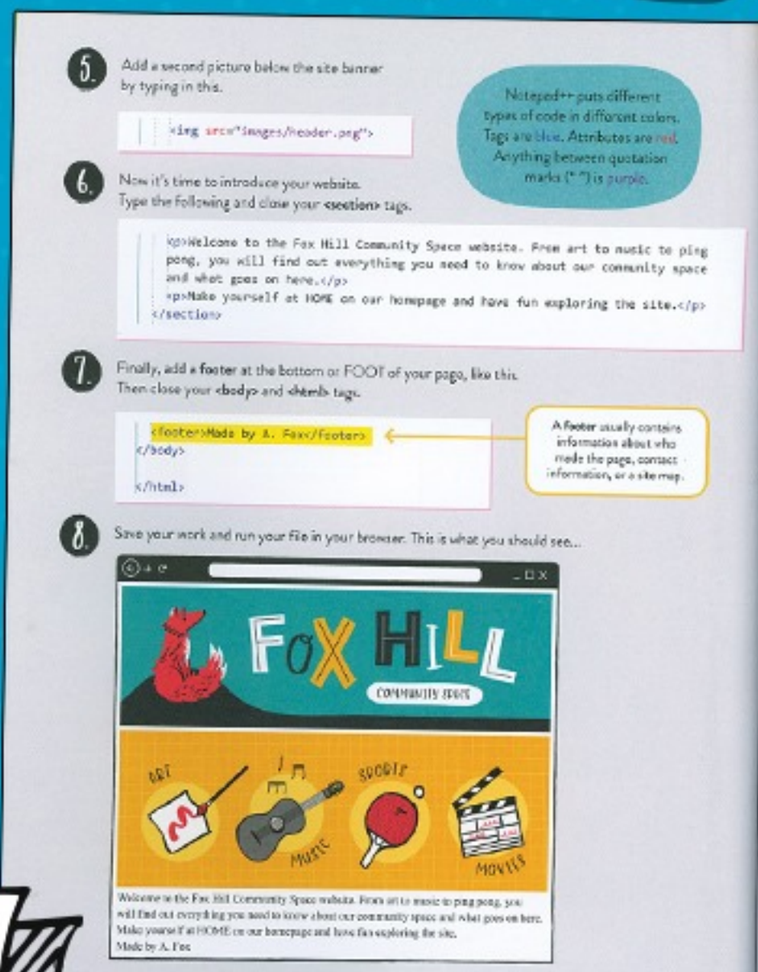
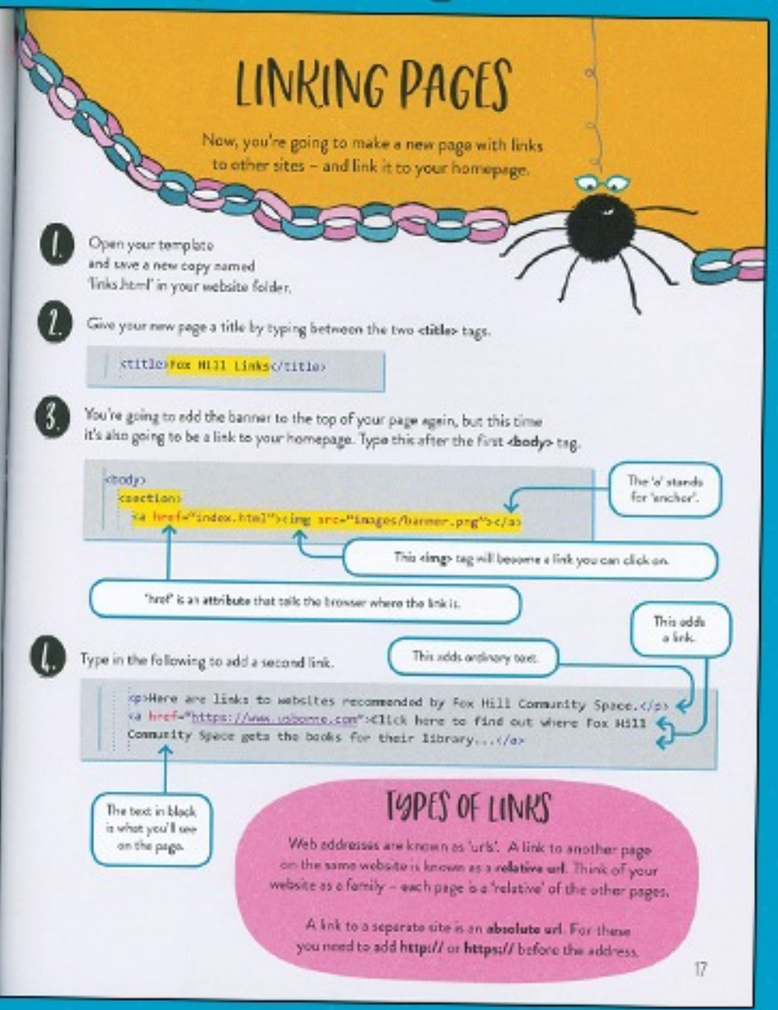
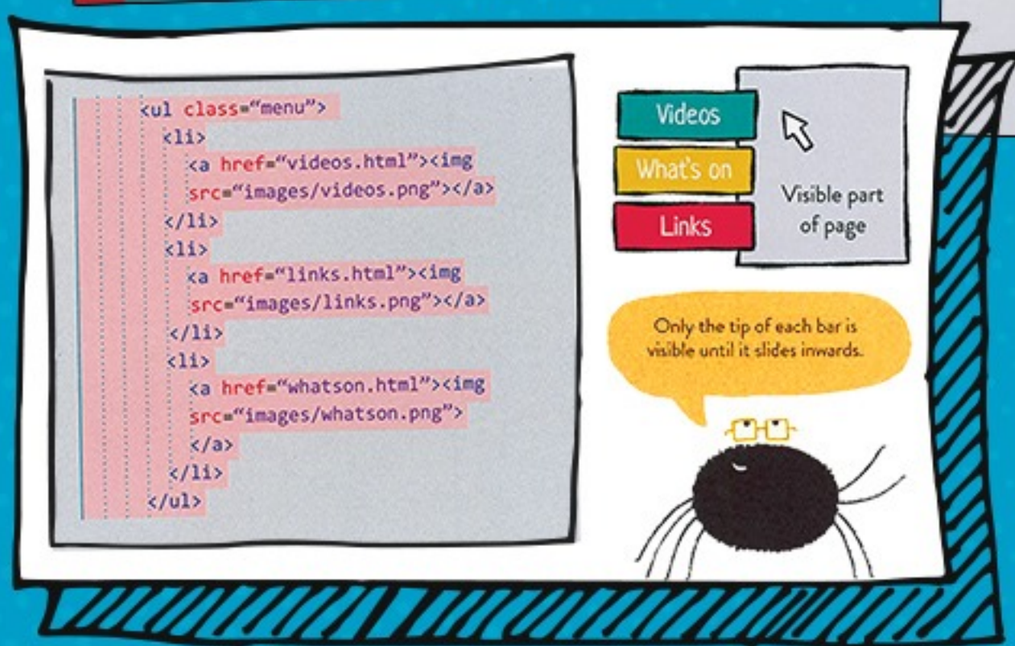
BUILD YOUR OWN WEBSITE!

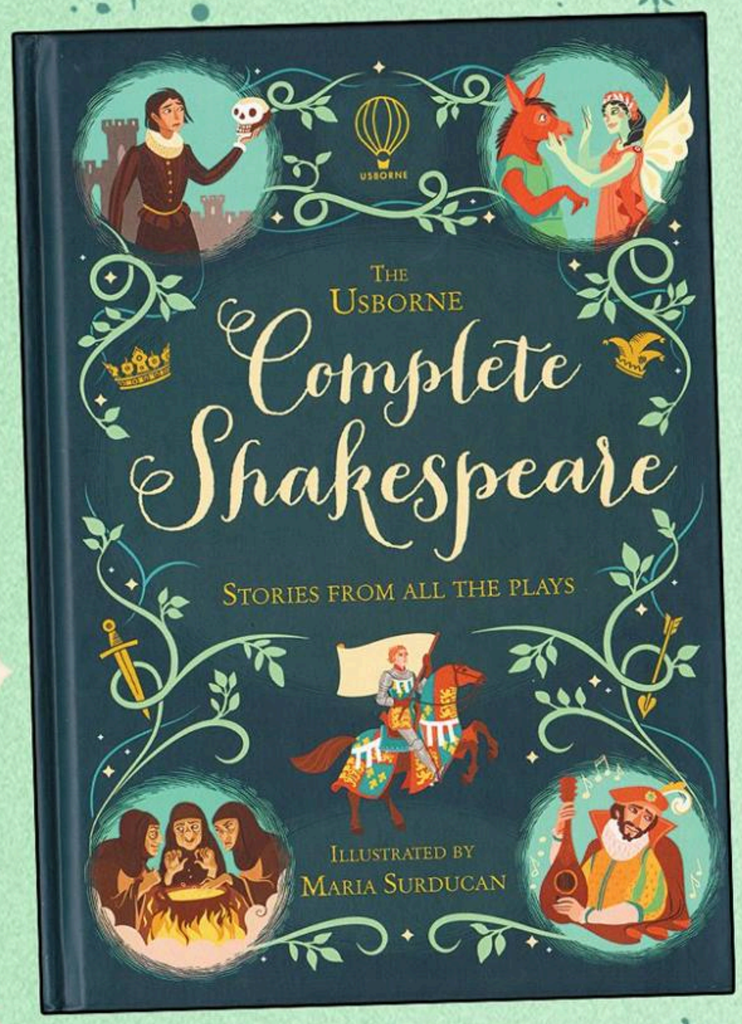






Design and build a real, working website from scratch using HTML, CSS, and Javascript. Includes simple step-by-step instructions written especially for beginners. Also includes extra help and downloads online.

Complete Shakespeare



From Romeo and Juilet's star-crossed love, to the dark ambitions of Macbeth, the characters from Shakespeare's plays are famous throughout the world. This collection of stories from all the plays, with beautiful illustrations and quotations, is the perfect introduction to Shakespeare.

POP into this Great Title!

In The Physics of Popcorn, you'll discover the truth about toast, learn how the microwave oven works, and conduct experiments with static electricity!

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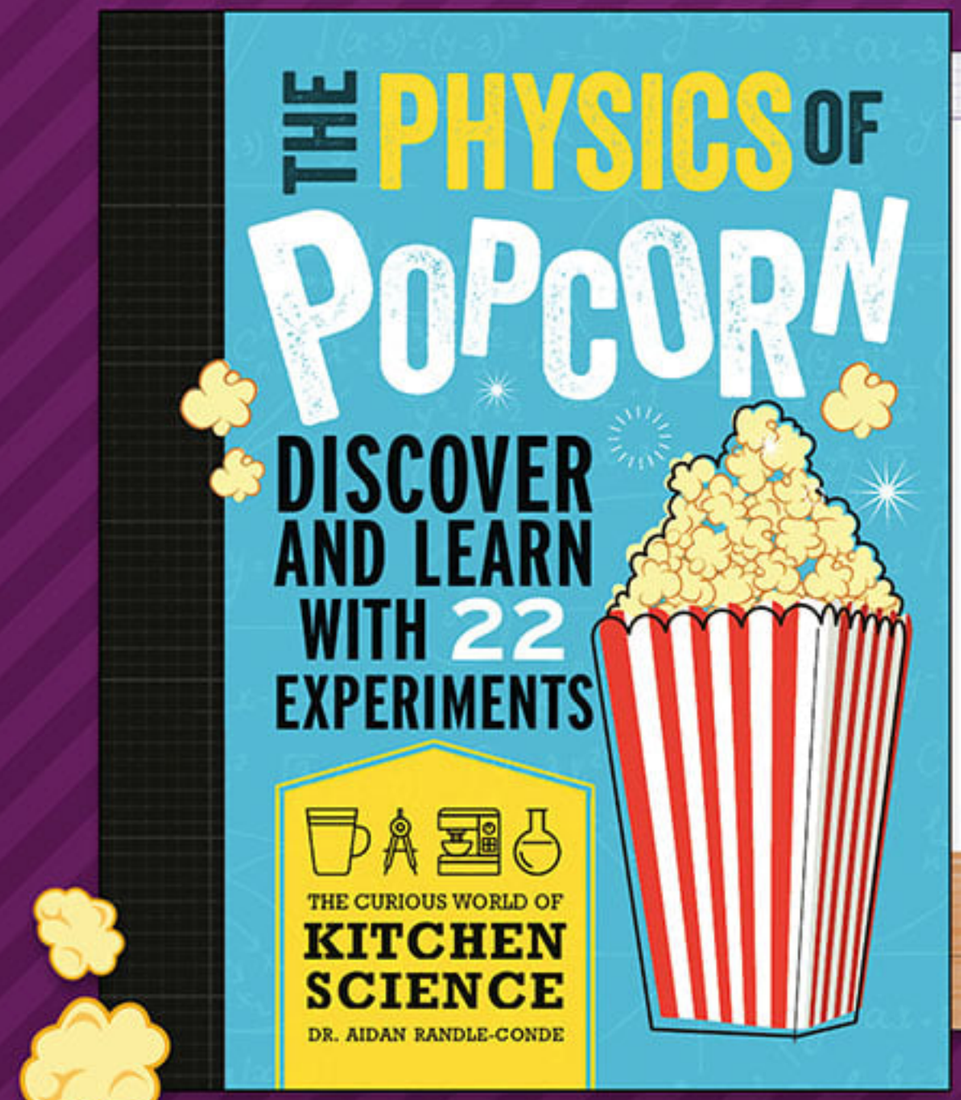

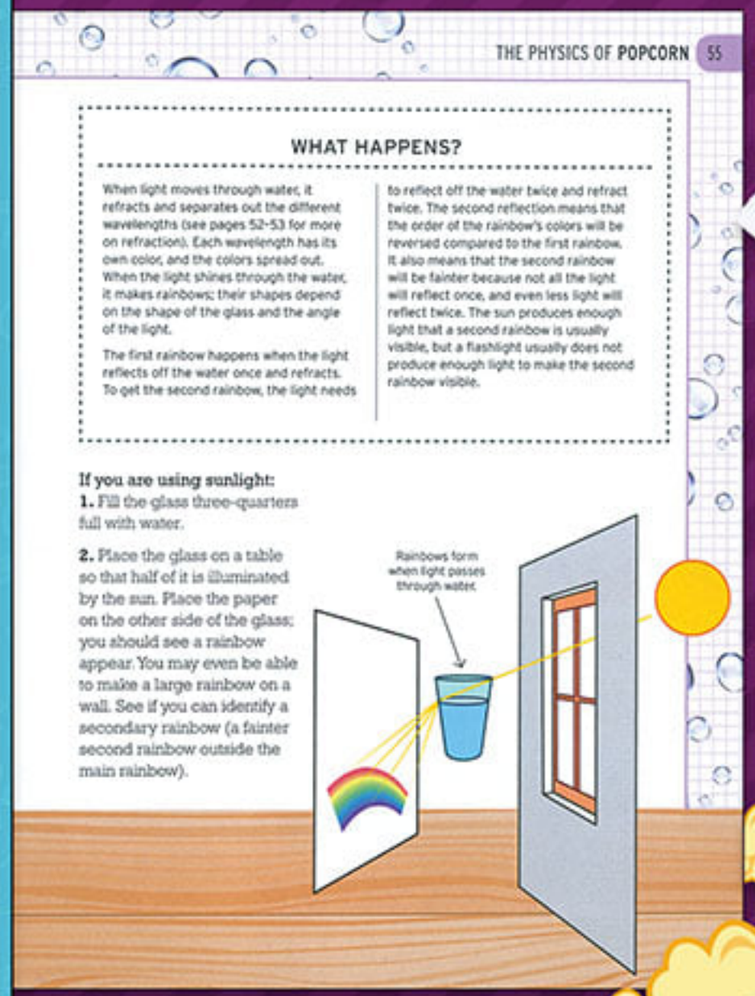

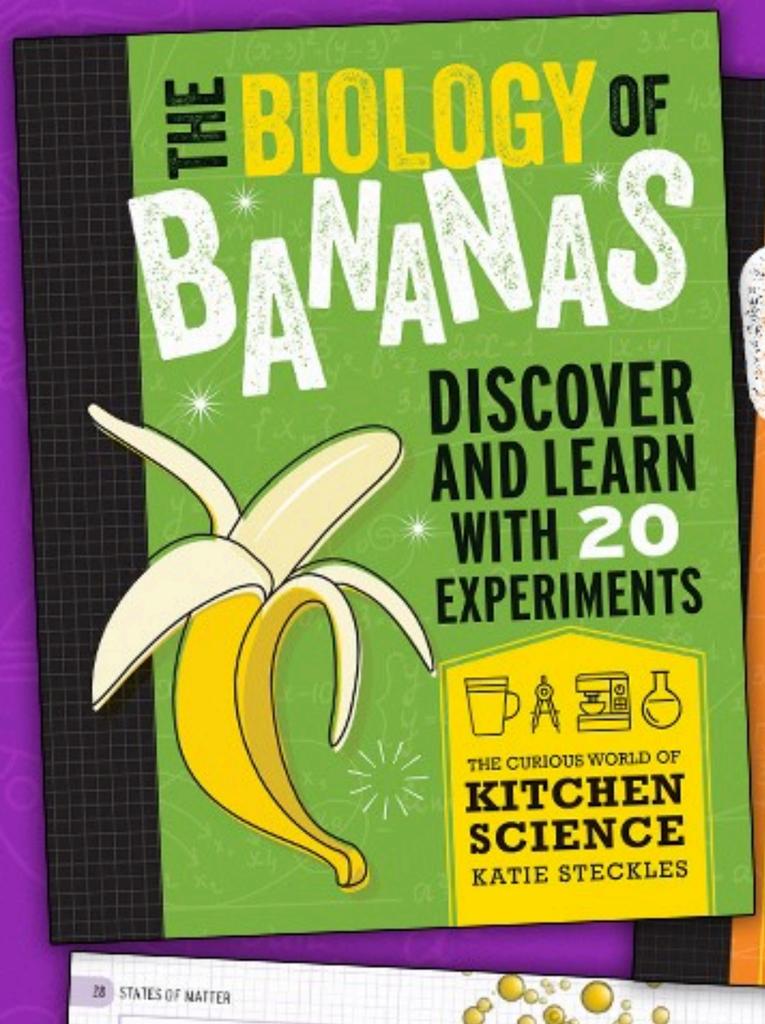

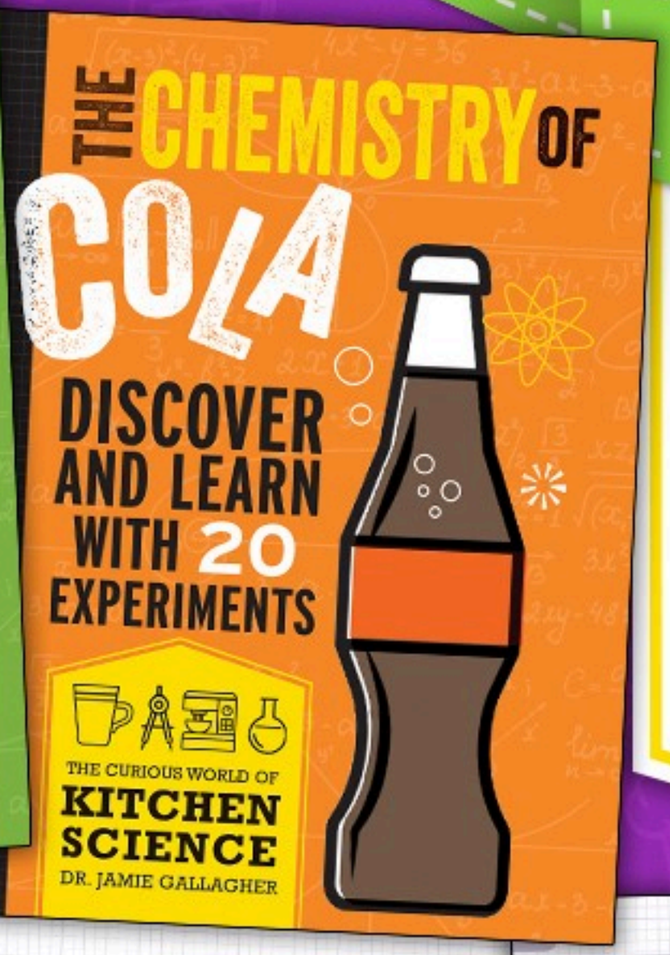

NEW SERIES!

EXPLORE THE KEY PRINCIPLES AND PRACTICES OF EVERYDAY SCIENCE BY USING ANALOGIES, EXPERIMENTS, AND RESEARCH WITH FOOD AND DRINK IN THE HOME KITCHEN ENVIRONMENT!

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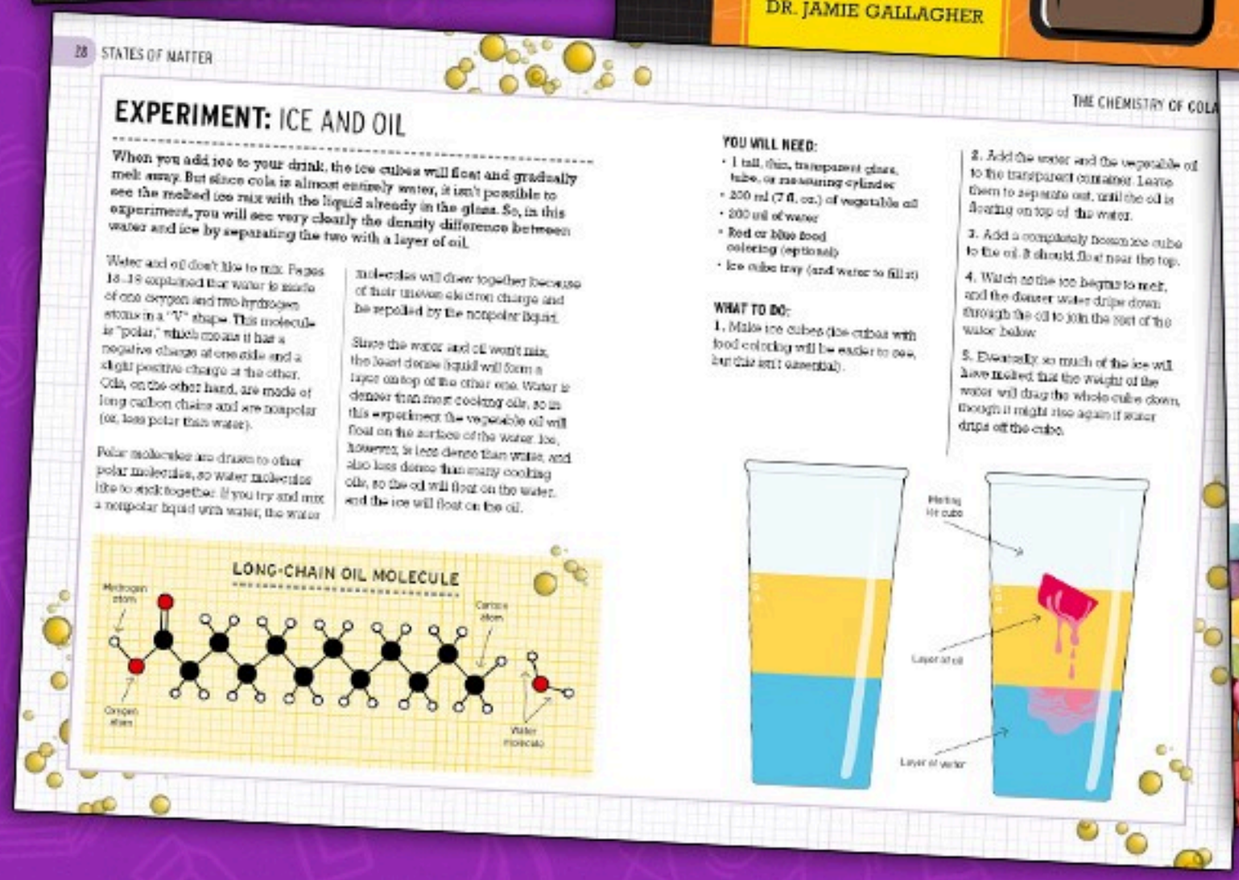


28 STATES OF MATTER

THE CHEMISTRY OF COLA

EXPERIMENT: ICE AND OIL

When you add ice to your drink, the ice cubes will float and gradually melt away. But since cola is almost entirely water, it isn't possible to see the melted ice mix with the liquid already in the glass. So, in this experiment, you will see very clearly the density difference between water and ice by separating the two with a layer of oil.

Water and oil don't like to mix. Pages 18–19 explained that water is made of one oxygen and two hydrogen atoms in a "V" shape. This molecule is "polar," which means it has a negative charge at one side and a slight positive charge at the other. Oils, on the other hand, are made of long carbon chains and are nonpolar (or, less polar than water).

Polar molecules are drawn to other polar molecules, so water molecules like to stick together. If you try and mix a nonpolar liquid with water, the water molecules will draw together because of their uneven electron charge and be repelled by the nonpolar liquid.

Since the water and oil won't mix, the least dense liquid will form a layer on top of the other one. Water is denser than most cooking oils, so in this experiment the vegetable oil will float on the surface of the water. Ice, however, is less dense than water, and also less dense than many cooking oils, so the oil will float on the water, and the ice will float on the oil.

YOU WILL NEED:

- 1 tall, thin, transparent glass, tube, or measuring cylinder
- 200 ml (7 fl. oz.) of vegetable oil
- 200 ml of water
- Red or blue food coloring (optional)
- Ice cube tray (and water to fill it)

WHAT TO DO:

1. Make ice cubes (ice cubes with food coloring will be easier to see, but this isn't essential).

2. Add the water and the vegetable oil to the transparent container. Leave them to separate out, until the oil is floating on top of the water.

3. Add a completely frozen ice cube to the oil. It should float near the top.

4. Watch as the ice begins to melt, and the denser water drips down through the oil to join the rest of the water below.

5. Eventually so much of the ice will have melted that the weight of the water will drag the whole cube down, though it might rise again if water drips off the cube.

17

EXPERIMENT: MAKING CELL COOKIES

A great (and delicious) way to remember all the parts of a cell is to decorate some cookies to look like different kinds of cells. Pick your favorite type of cell from pages 12–13—or do them all! Use the diagrams to see what you'll need to include.

YOU WILL NEED:

- Plain cookies (round, rectangular, or uneven shaped)
- Different colors of ready-made frosting in squeezable tubes
- Different sizes of candy, sprinkles, chocolate chips, and other tasty things to stick on

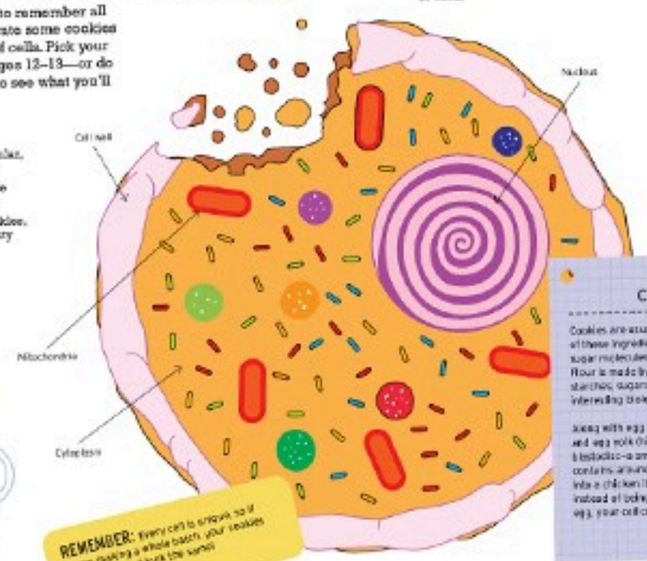
WHAT TO DO:

1. Decide what type of cell you're going to make—animal, plant, yeast, or bacteria—or maybe make one of each!

2. For each of the parts of the cell you want to make, decide which type of decoration is going to represent it. You could use frosting to pipe a cell wall around the outside, a large candy for the nucleus, green gumdrops for the chloroplasts, a marshmallow for the vacuole, and sprinkles for the tiny ribosomes.

3. Use frosting to stick the candies on the cookies in the right arrangement.

4. Share and enjoy delicious cell cookies! Ask people if they can identify what all the parts are.



REMEMBER: Every cell is unique, so if you're making a whole batch, your cookies don't have to all look the same!

CELLS IN YOUR CELLS

Cookies are usually made with flour, sugar, butter, and eggs. Most of these ingredients don't include any cells—sugar is made up of sugar molecules, and butter is a mixture of fats and proteins. Flour is made by grinding up wheat kernels, and is a mixture of starches, sugars, and proteins. But the egg contains the most interesting biology. Read all about it on pages 78–79.

Along with egg white (which is mainly water, with a little protein), and egg yolk (high in fats and proteins), the egg also contains a blastodisc—a small white dot on the surface of the yolk, which contains around 20,000 cells. These are what might have grown into a chicken if the egg had been fertilized and incubated. Instead of being made into cookies. So if they were made with egg, your cell cookies could contain the remnants of actual cells!

Unleash your CREATIVITY!

An entertaining activity book packed with fun design projects – from lettering and book covers, to costumes and gadgets. Full of helpful tips and space to imagine, draw and create.

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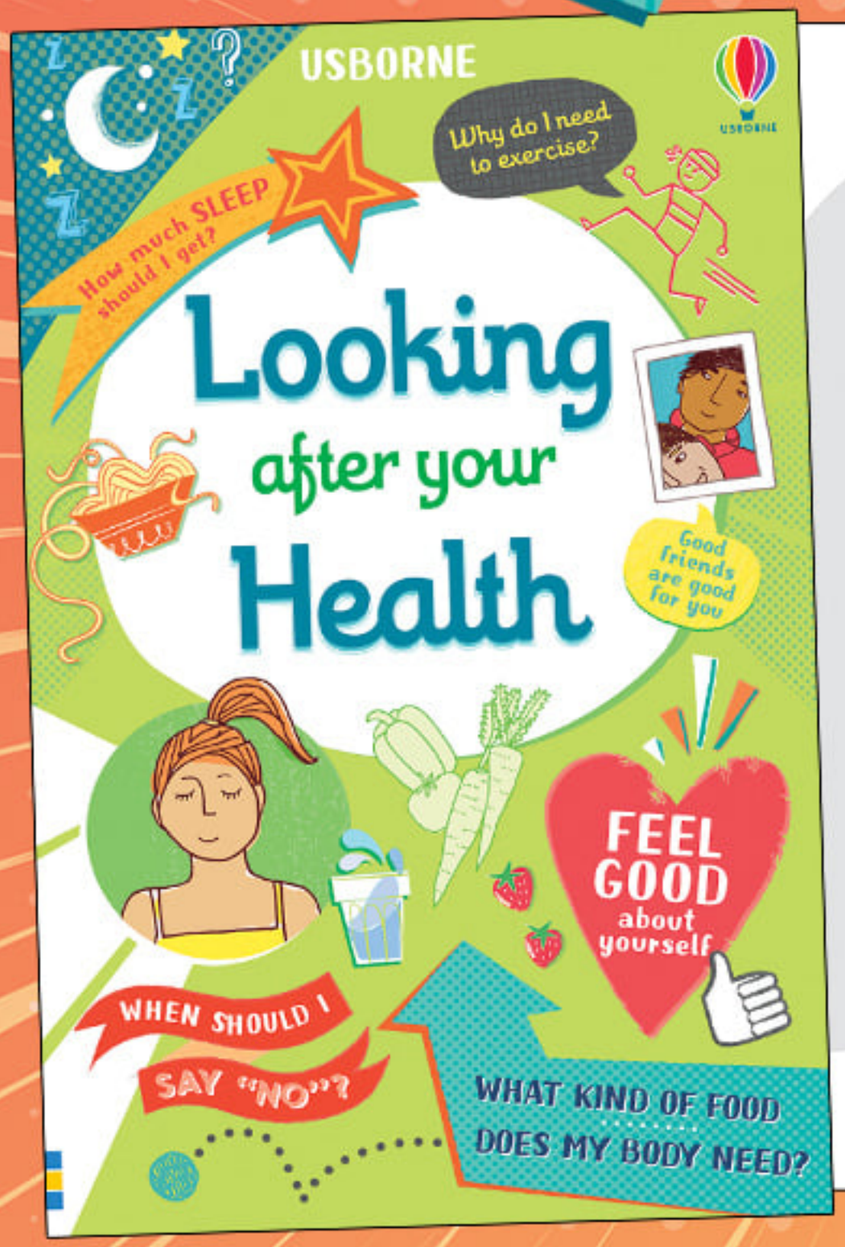
LOOK!

A USEFUL GUIDE FOR TEENS!



3 KIDNEYS

Your (two) kidneys help filter your blood, and create urine (pee). All the blood in your body will pass through your kidneys many times a day.

4 LIVER

Your liver removes toxins from your blood, and doesn't work as well if you're overweight. (But luckily for us, it can usually repair itself if it's not in tip-top condition. Hooray!)

5 LUNGS

Your lungs take in oxygen as you breathe in, and get rid of carbon dioxide as you breathe out. Your left lung is a bit smaller, to fit your heart in your chest, but they both work very hard.

THIS USEFUL GUIDE TO TEENAGE HEALTH OFFERS CLEAR ADVICE ON EATING AND SLEEPING WELL, COPING WITH STRESS, AND BUILDING EXERCISE INTO YOUR LIFE. THERE'S ALSO HELPFUL GUIDANCE ON THE PRESSURES THAT CAN SURROUND SEX, DRUGS AND ALCOHOL. PACKED WITH PRACTICAL TIPS, IT INCLUDES FUN QUIZZES AND CHECKLISTS TO HELP YOU ENJOY A HEALTHY LIFESTYLE.

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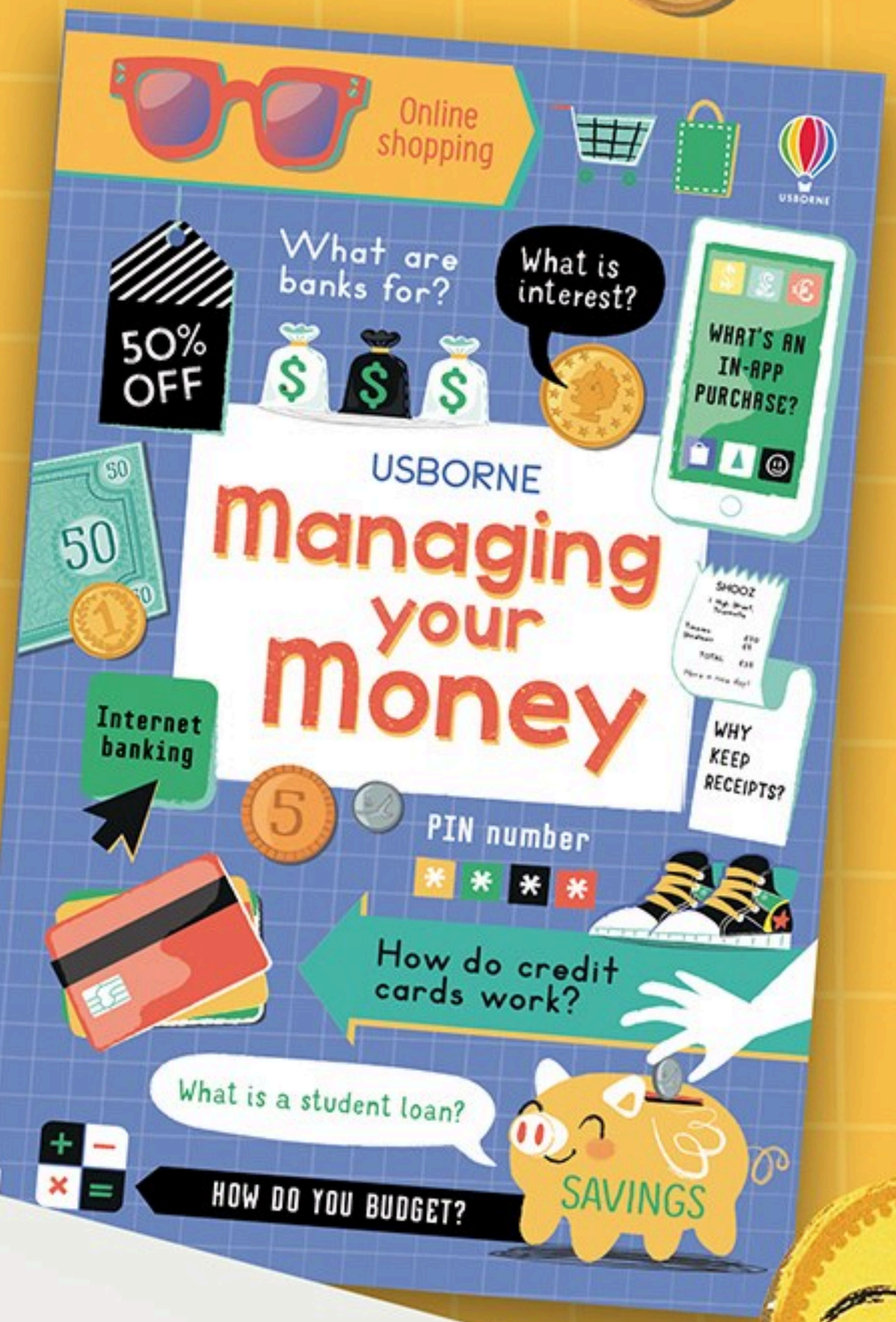

Get invested in a Good Book!

Filled with practical advice on such topics as how to save money, how to be a smart shopper, and how to budget, it will equip young people with the skills they need to survive in the world of money - now and in the future.

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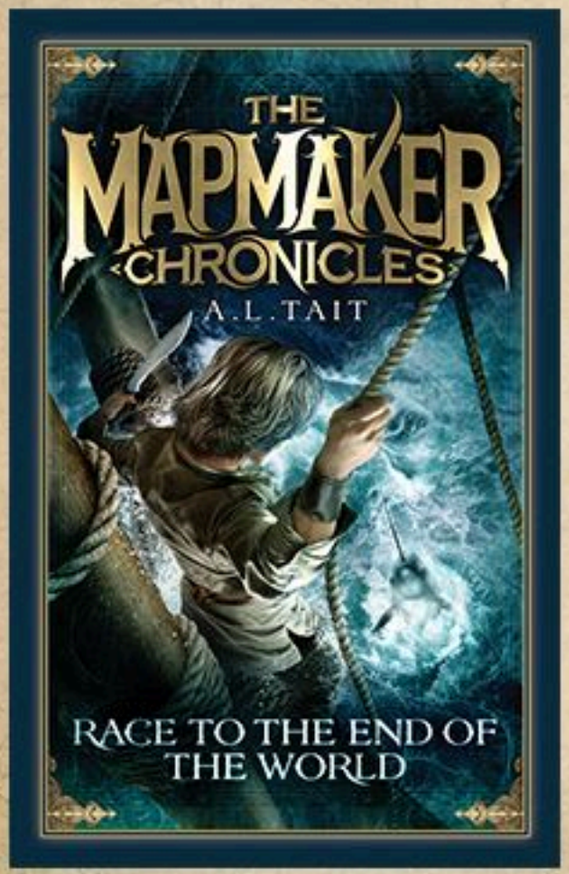
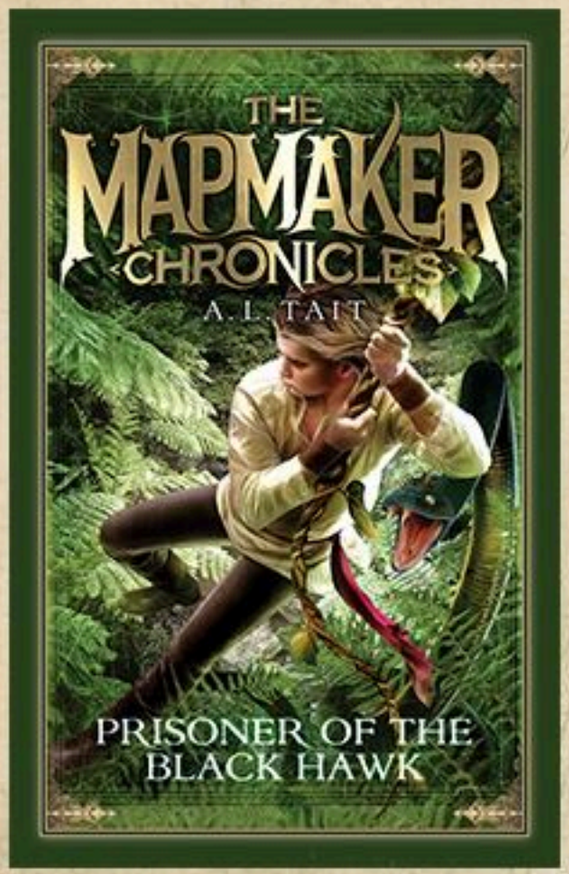
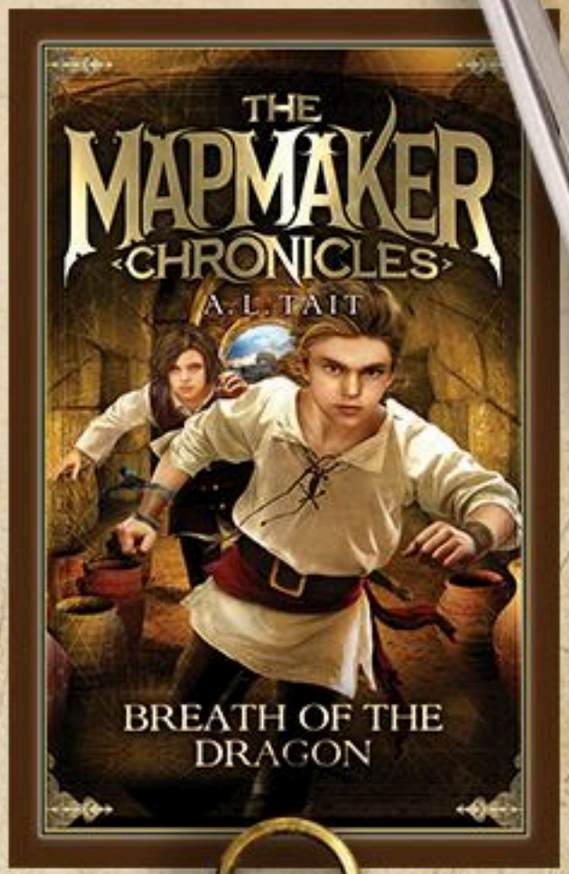
Discovery and danger lie just off the edge of the map!







The Mapmaker Chronicles is an exciting adventure series about a race to map the world ... and a boy who discovers more than he ever imagined!

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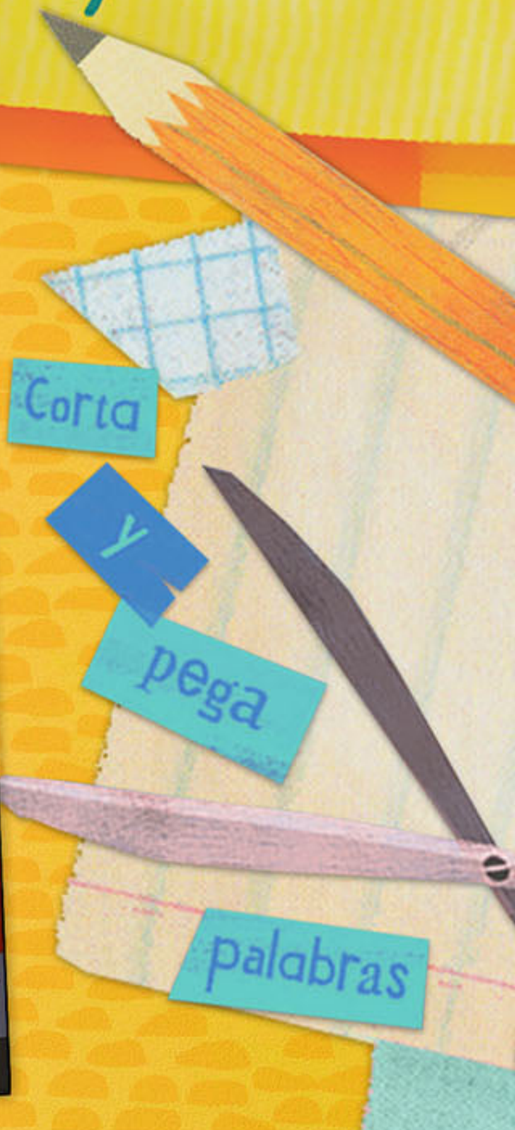
TÍTULOS EN ESPAÑOL!

(TITLES IN SPANISH!)



Attention Aspiring Astronomers!

More than just a journal...

...inspirational, beautifully illustrated, and includes plenty of space for your own notes and sketches.

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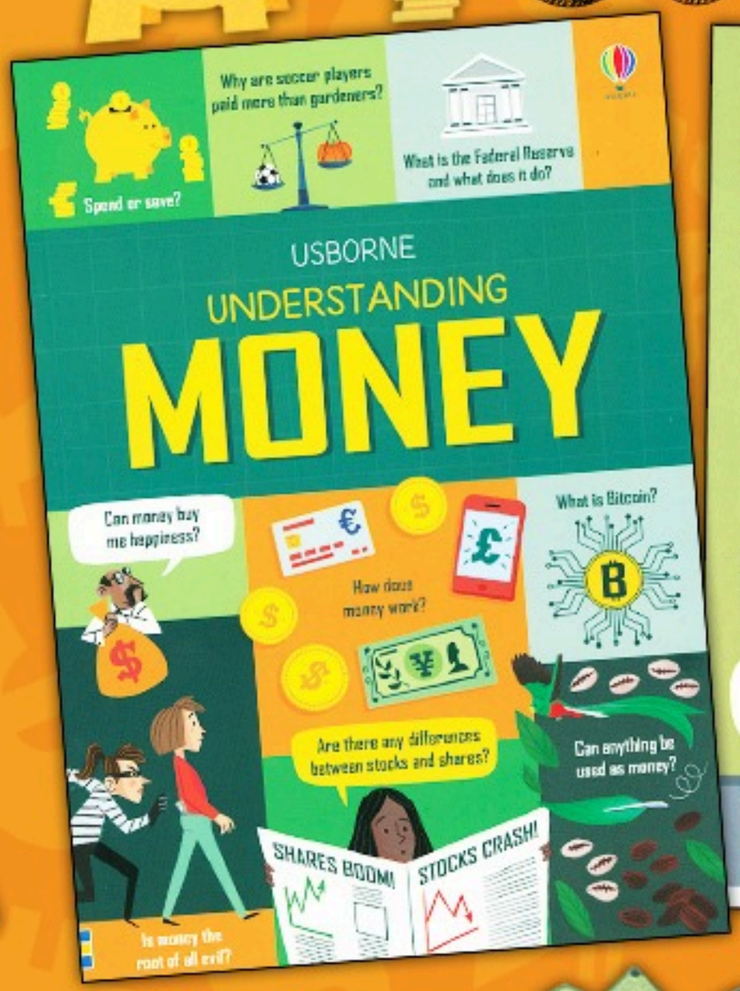
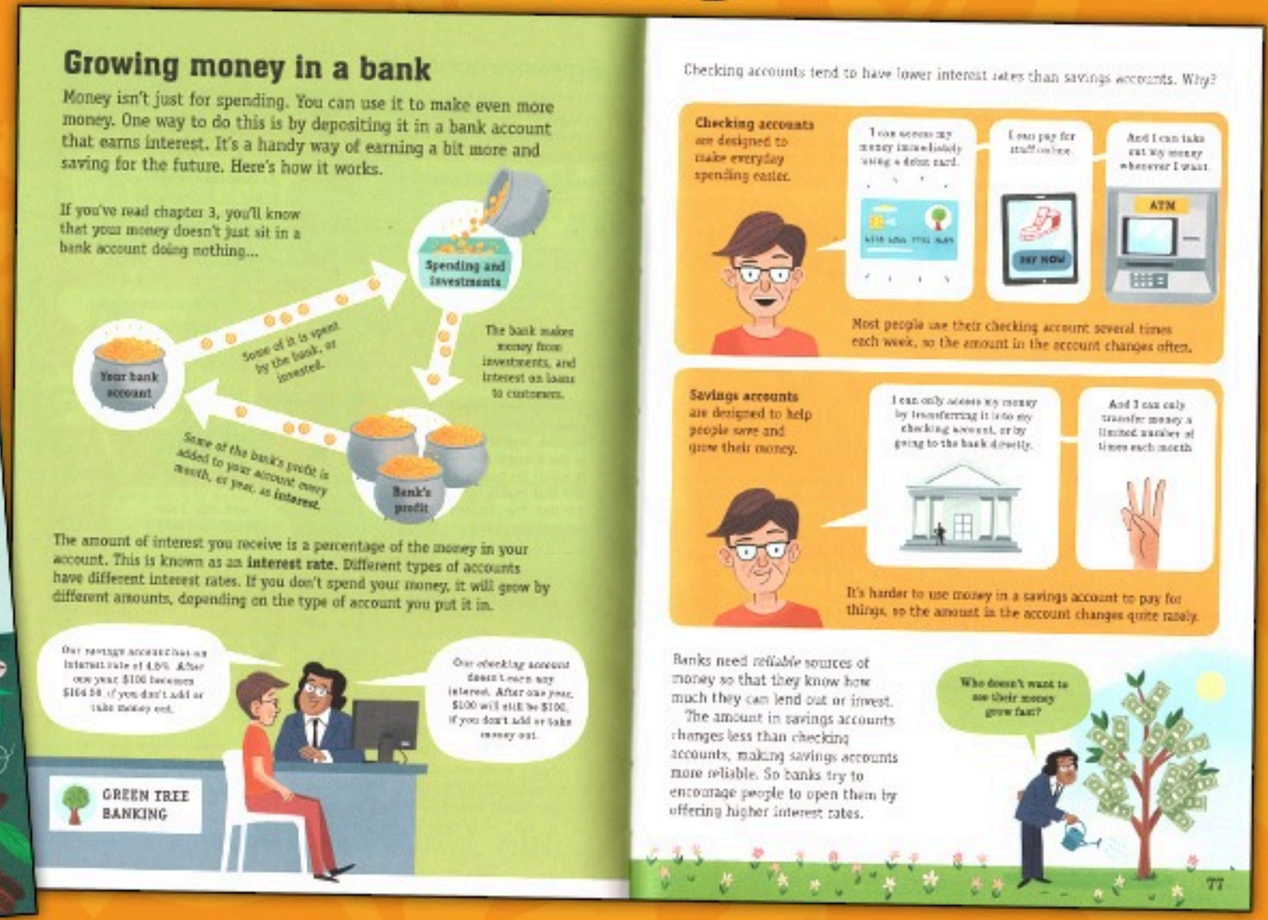
Invest in a Good Book!

SAVING & INVESTING





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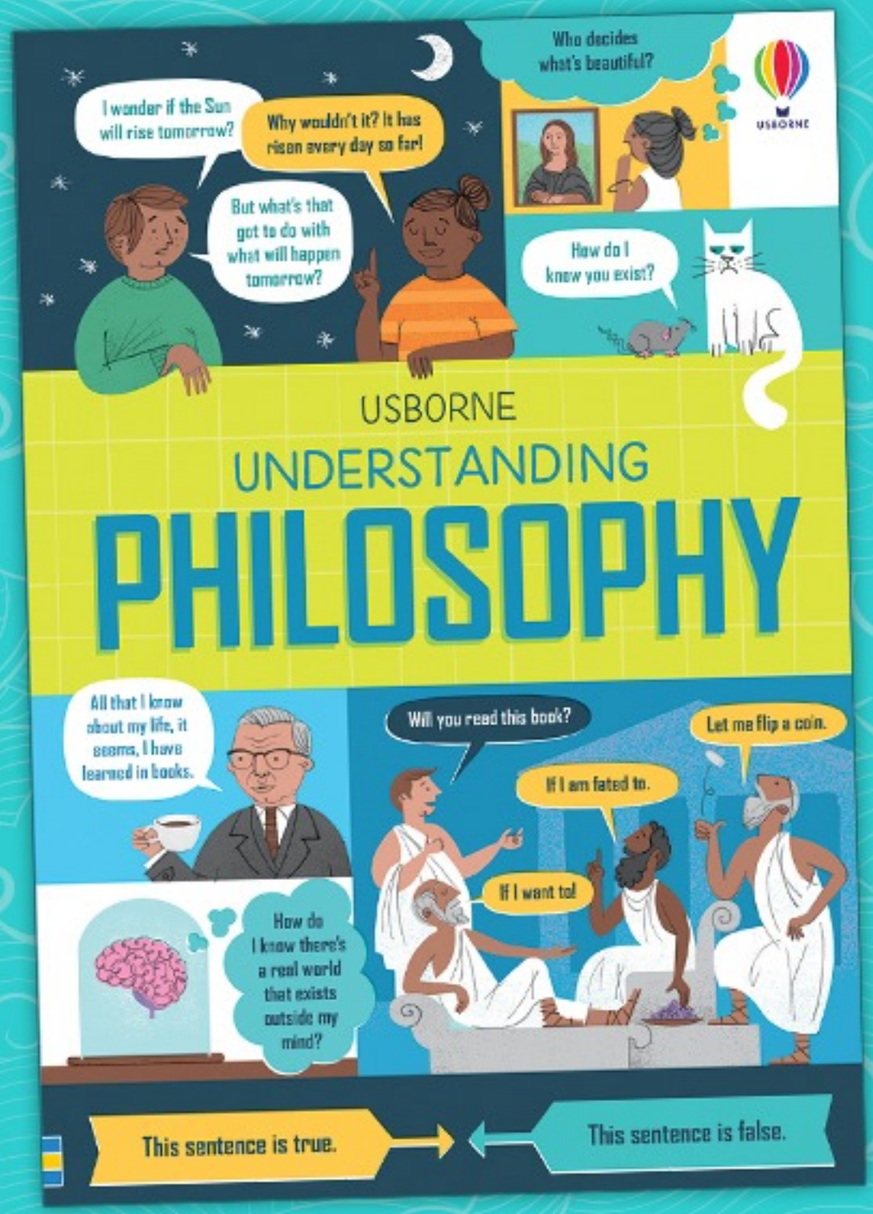
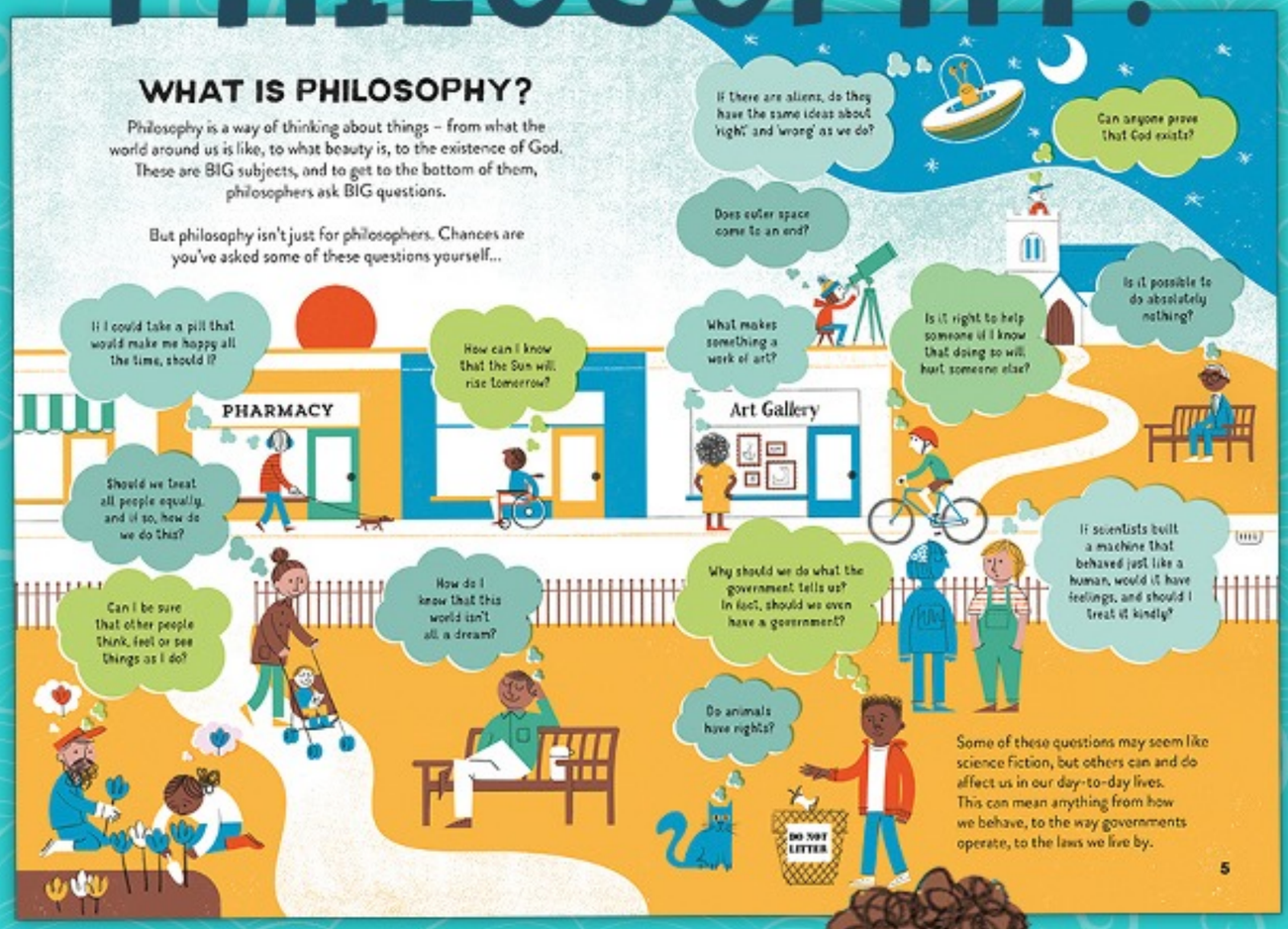
This informative introduction to the world of money covers everything from bank accounts, earning, and borrowing to government spending, taxes, and inflation.

It includes bright, infographic pictures, a detailed glossary, and links to specially selected websites where you can visit a virtual bank, see money from around the world, and more!



discover PHILOSOPHY!



Who are we? Where are we going? What is the meaning of life? What do I know? Philosophy seeks to explore all of these questions and helps us ask other questions about the human experience.

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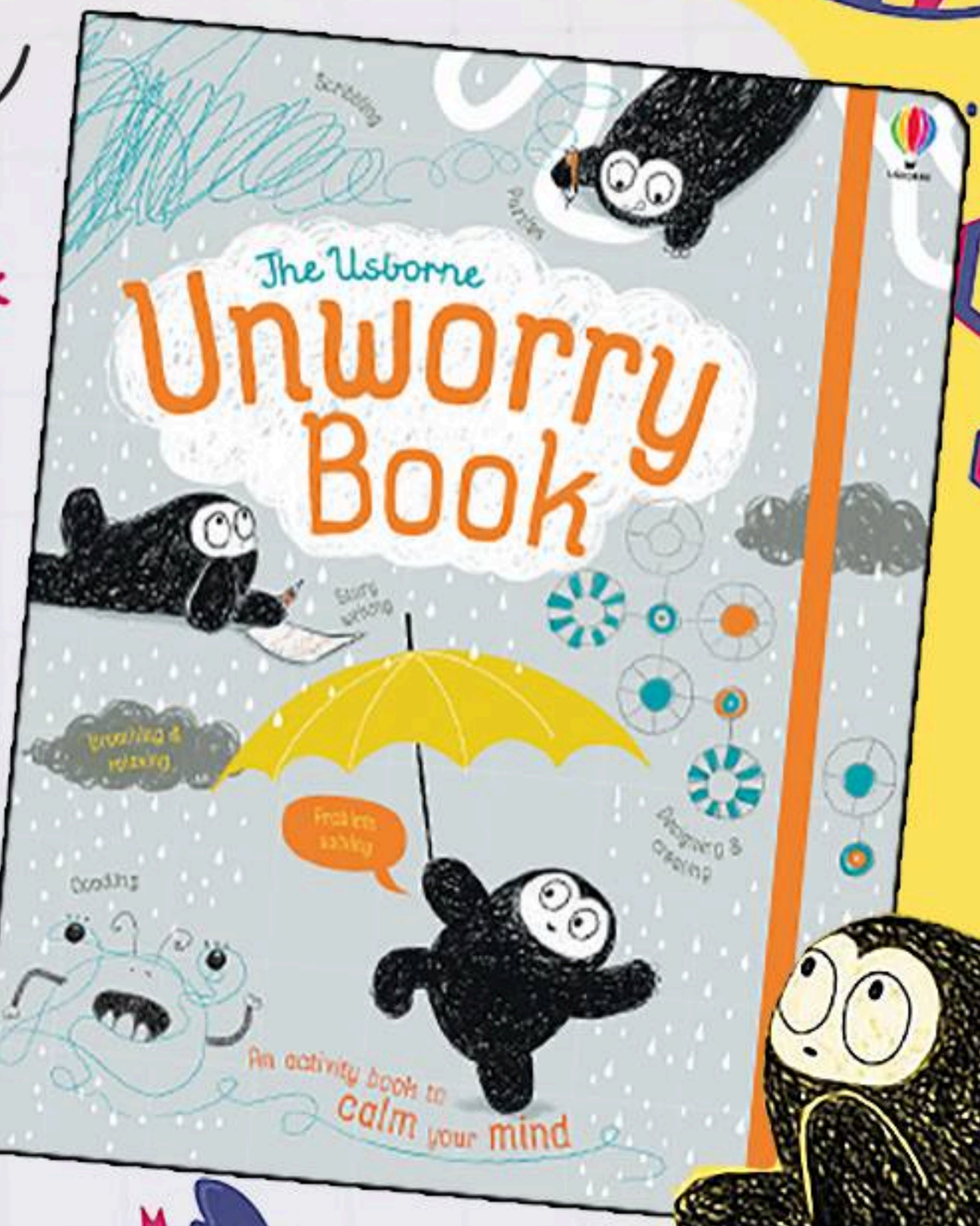
BOOKS & MORE

NEED A GOOD BOOK?

No Worries

We all worry. This book is full of ways to get worries out of your head and onto paper, with things to doodle, draw, write, scribble and scrunch.



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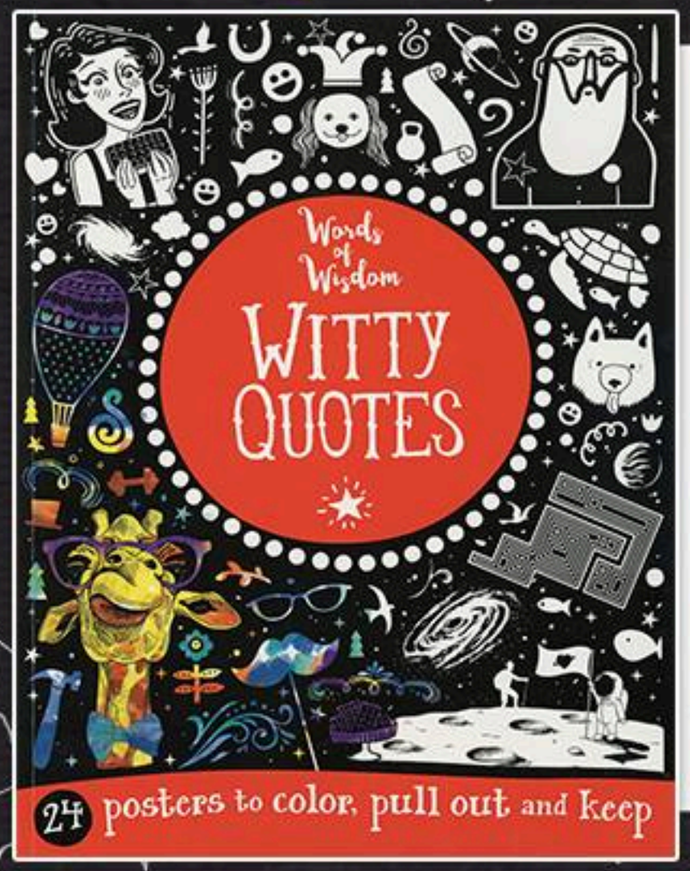

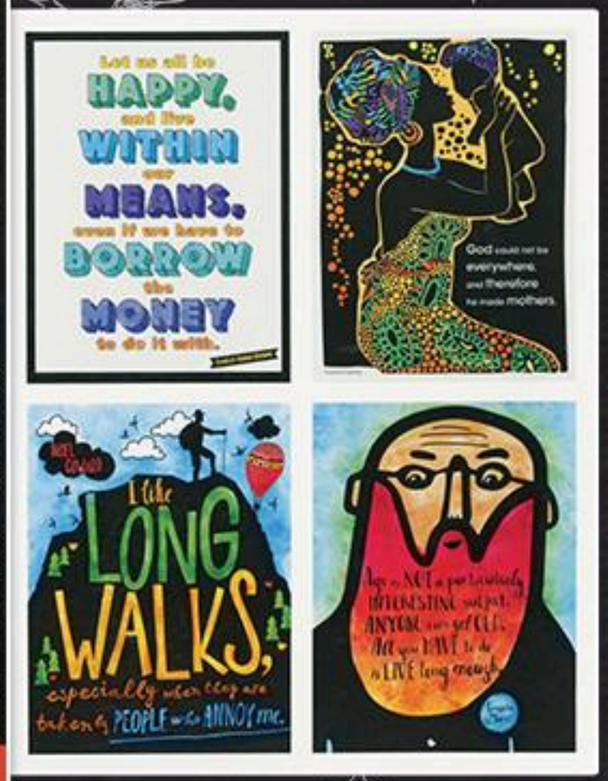

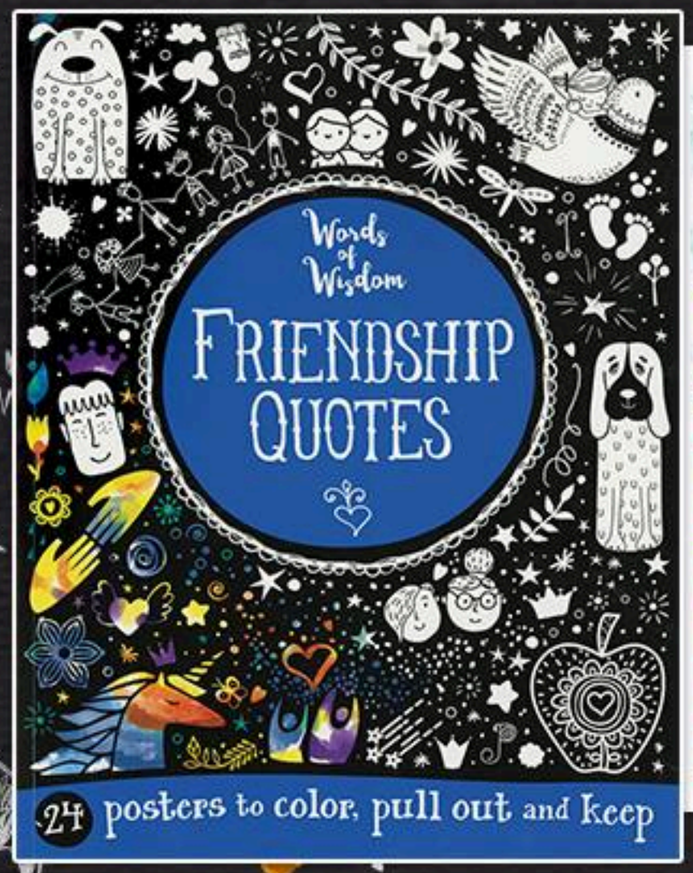

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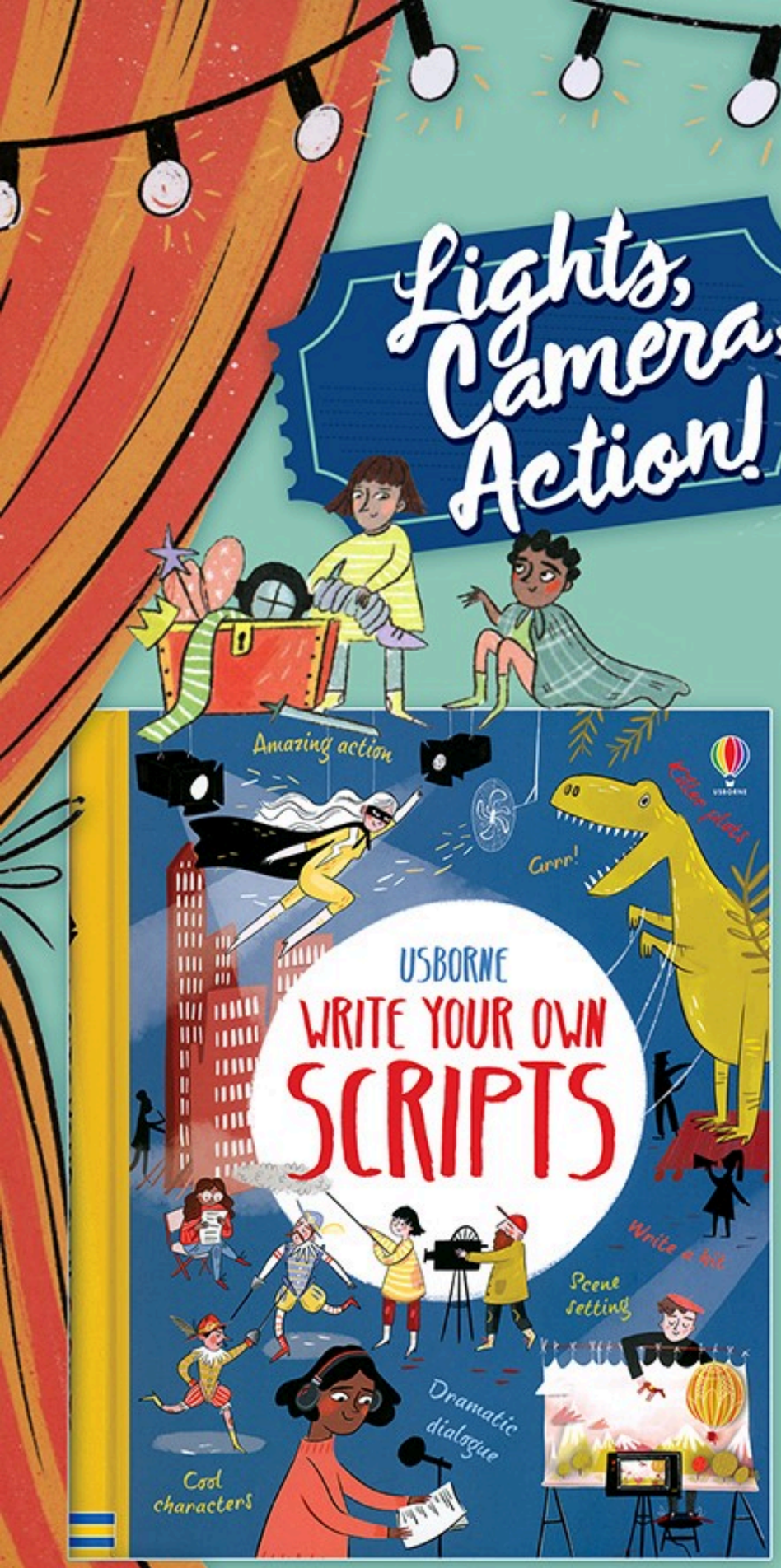
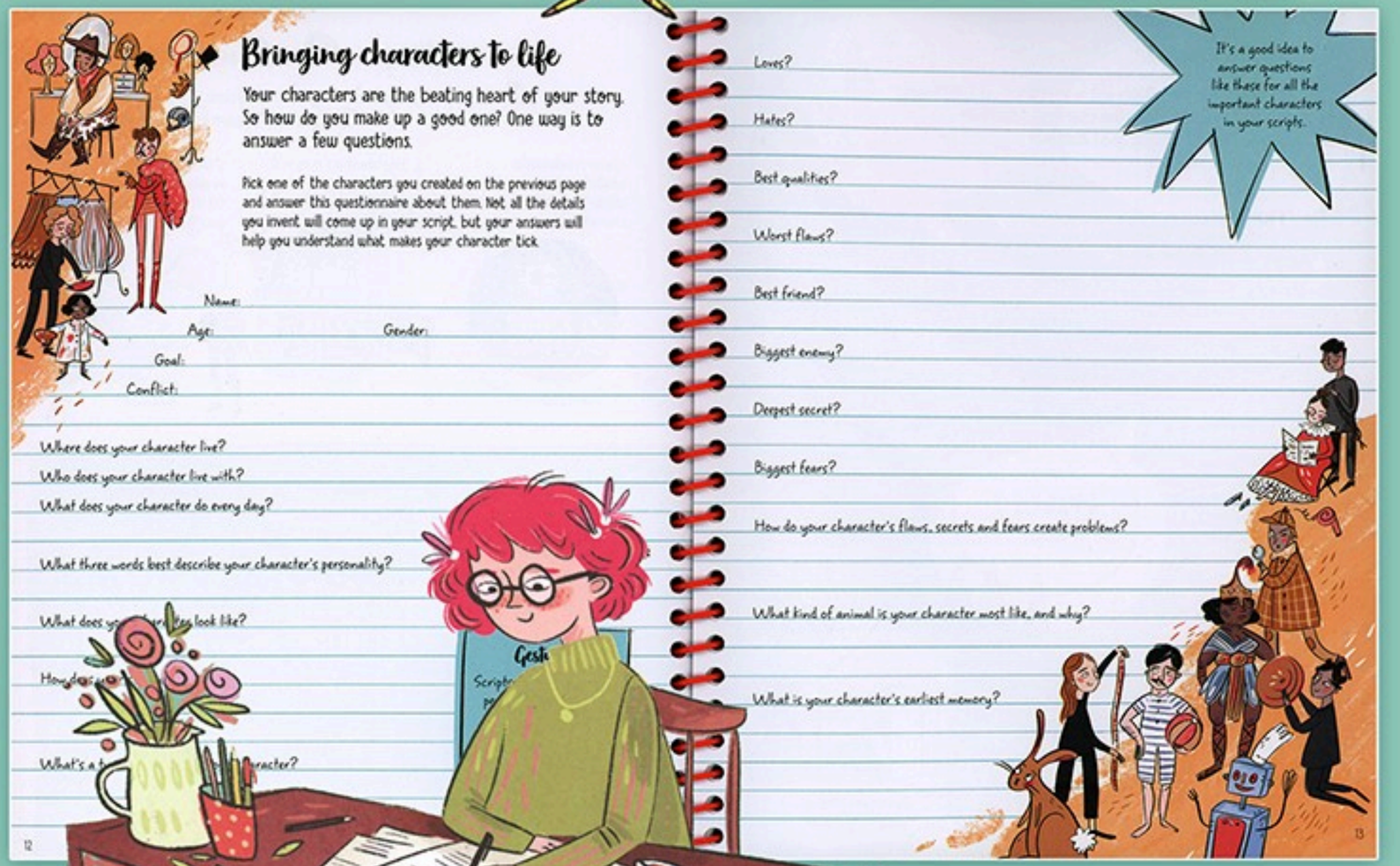
WONDERFUL WORDS OF WISDOM

These large-format coloring/poster books allow readers to color and decorate uplifting, motivational words and beautiful artwork. Printed on perforated paper, each page can be easily removed for display.

Lights, Camera, Action!

This book will help you write all kinds of scripts – scary ones, exciting ones, and hilariously silly ones. It's full of tips and ideas that will help you every step of the way – from planning and writing, to putting on your very own shows.





Bringing characters to life

Your characters are the beating heart of your story. So how do you make up a good one? One way is to answer a few questions.

Pick one of the characters you created on the previous page and answer this questionnaire about them. Not all the details you invent will come up in your script, but your answers will help you understand what makes your character tick.

Name:

Age: Gender:

Goal:

Conflict:

Where does your character live?

Who does your character live with?

What does your character do every day?

What three words best describe your character's personality?

What does your character look like?

How does your character speak?

What's a typical day like for your character?

12

It's a good idea to answer questions like these for all the important characters in your scripts.

Loves?

Hates?

Best qualities?

Worst flaws?

Best friend?

Biggest enemy?

Deepest secret?

Biggest fears?

How do your character's flaws, secrets and fears create problems?

What kind of animal is your character most like, and why?

What is your character's earliest memory?

13

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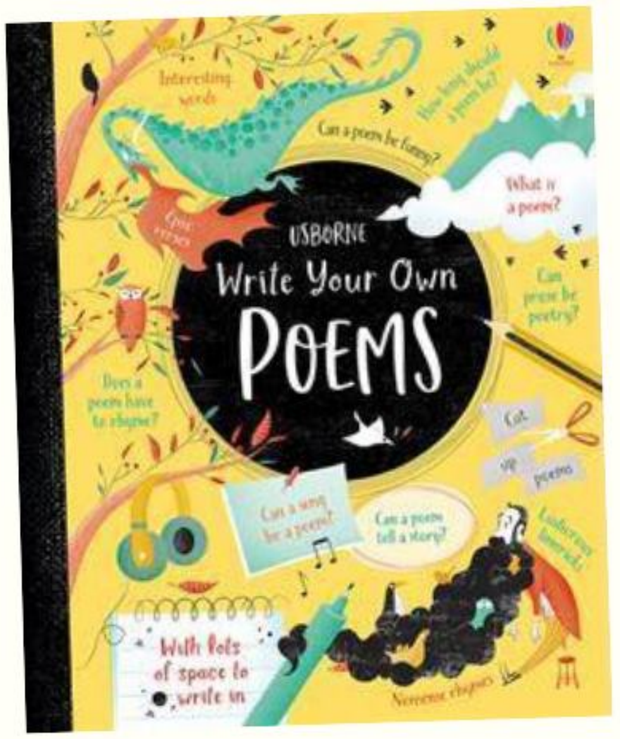
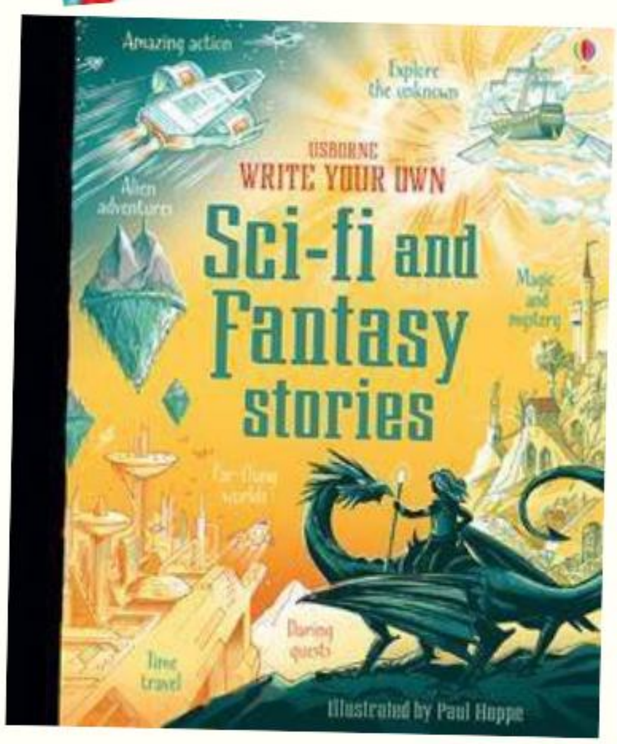
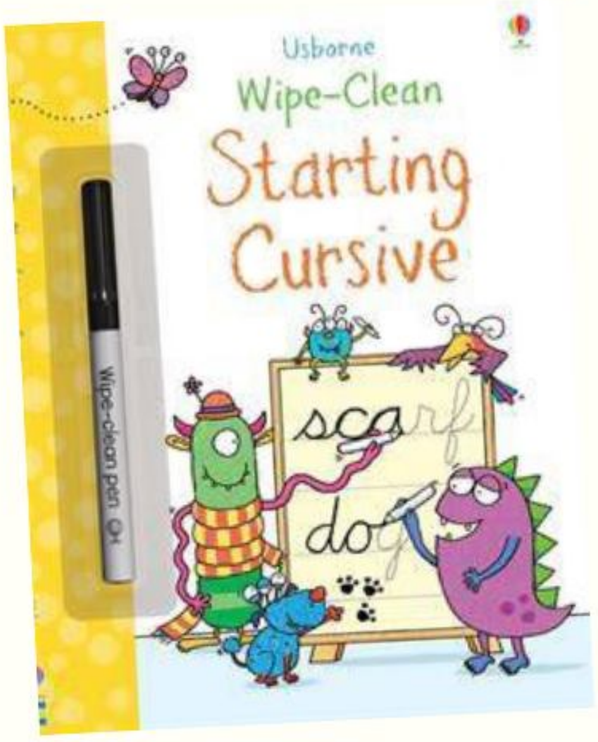
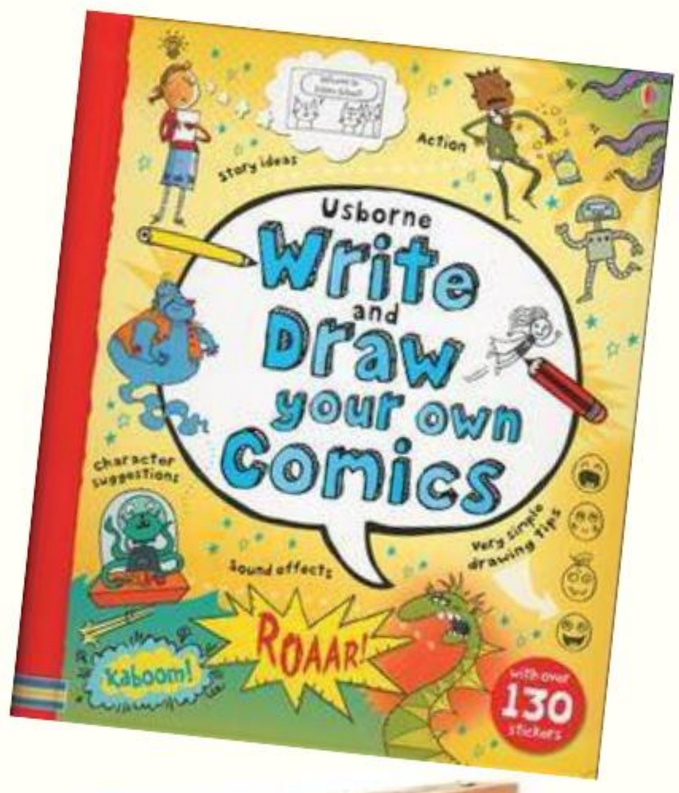
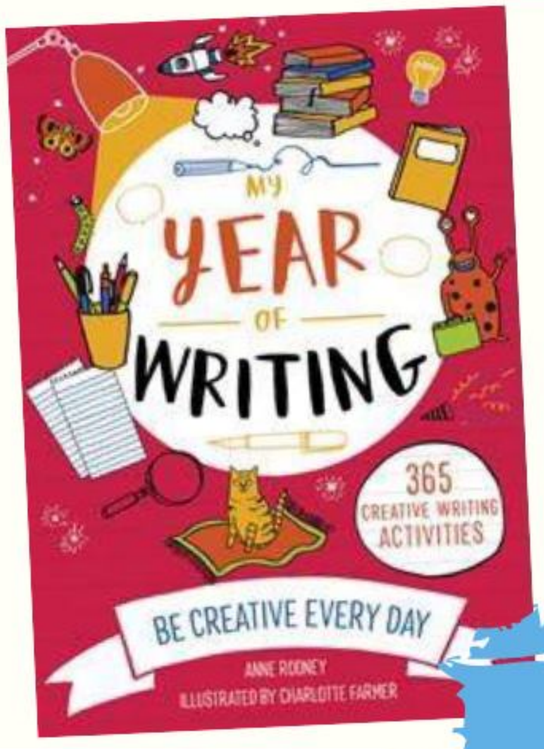
BOOKS & MORE

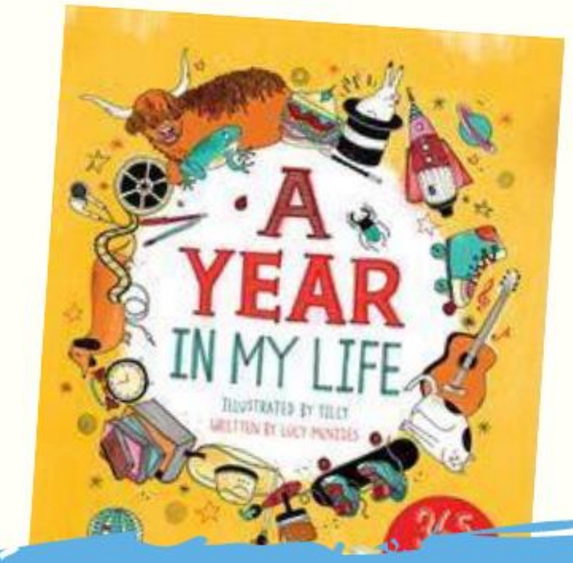


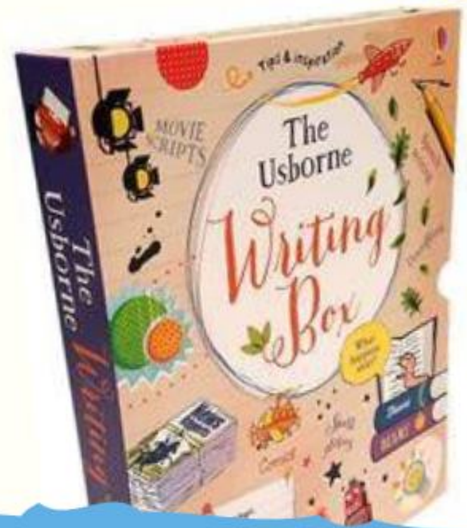












WRITE AND CREATE

easy DIY steps

HMM... WHAT SHOULD I WRITE ABOUT?

REVIEWS AND INTERVIEWS

USBORNE

FUN TO DO

WRITE and DESIGN YOUR OWN MAGAZINES

CUTTING & PASTING

STORIES
ARTICLES
DRAWINGS & PHOTOS

comics

...pictures

...pictures by cutting out
... This technique is known
...uing."

Try painting or decorating paper to cut shapes from.

Things don't have to make sense – let your imagination go wild.

Cut out pictures from old newspapers and glossy magazines to make into new pictures.

...could take your ...hotos to cut out ...se in a collage.

...the pieces first. ...lue them down ...ou're satisfied ...ow it all looks.

Old newspaper or sheet music can make interesting patterns in pictures.

Cut-and-paste characters

Collage is a great way of inventing extraordinary characters to use in comics or to illustrate articles and stories. These characters might even inspire new ideas.

TIP
Keep leftover snippings to make cut-and-paste doodles and to decorate pages.

You could draw on extra details.

I'm Librosaurus – a living, breathing library that always knows what magazine you should read next.

Experiment with different options for legs.

If your character appears more than once, instead of gluing the pieces down, photograph them in one position...

...then rearrange the pieces, adding any extra bits you need, and photograph them again.

AH...

...TCHOO!

Goooorgeous darling – hold that pose!

Making magazines is fun and easy – and this marvelous title will help you every step of the way.

A new addition to the popular Write Your Own series!

USBORNE
BOOKS & MORE