
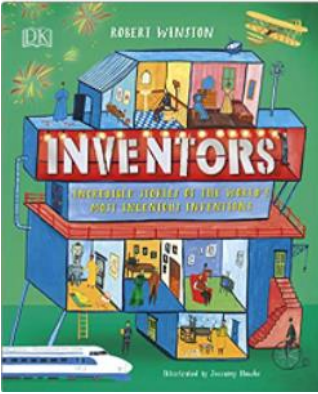



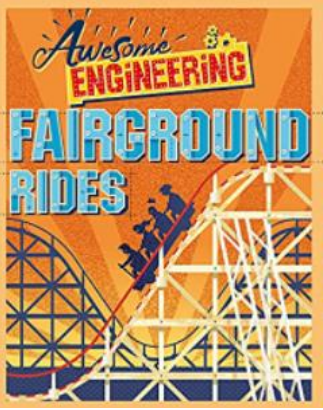
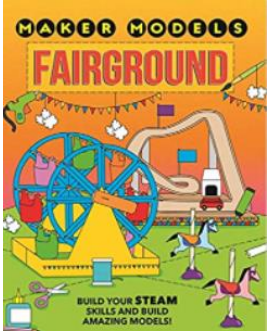
DT book list 2022 (for discussion)



The book list will updated each term.

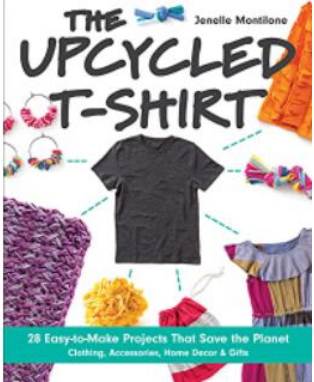
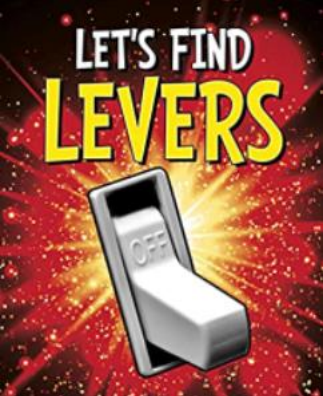
Book and author	Description	Possible areas of use
<p>Oliver's Fruit Salad by Vivian French</p> 	<p>Oliver, star of Oliver's Vegetables, is back from his healthy week eating vegetables at his grandpa's house. Suddenly, the fruit at home doesn't seem quite good enough for Oliver. What is his mum to do?</p>	<p>EYFS/KS1 – Cooking and Nutrition</p>
<p>Oliver's Vegetables by Vivian French</p> 	<p>Do you like chips? Oliver does. In fact, he won't eat anything else - until he plays a game with his grandpa. Whatever vegetable Oliver finds in the garden, he must eat. On Monday, he pulls up carrots, on Tuesday, it is spinach . . .</p>	<p>EYFS/KS1 – Cooking and Nutrition</p>
<p>Let's Find Wheels and Axles by Wiley Blevins</p> 	<p>Did you ride a bike today? Then you've used wheels and axles! These simple machines are all around. Take a look inside and discover 13 different ways we use wheels and axles.</p>	<p>KS1 - Mechanisms</p>
<p>Bob the Builder e.g. Bob and the Bandstand by Bob the Builder</p>	<p>Bob and the team build a bandstand for a big concert in the park.</p>	<p>EYFS – Design and Make - Construction</p>

		
<p>Inventors: Incredible stories of the world's most ingenious inventions by Robert Winston</p> 	<p>Step into Leonardo da Vinci's workshop, relax on board Hideo Shima's speedy bullet train, and join movie star Hedy Lamarr to bounce ideas around in between takes. Inventors looks at the towering achievements of more than 50 inventors in great detail. The stories are as unusual as they are unique. From Mr. Kellogg, who accidentally created cornflakes after leaving grains boiling for too long, to the ancient Turkish polymath Ismail al-Jazari, who decided the best way to power a clock was with a model elephant, to Sarah E. Goode's fold-up bed space-saving solution--the inventors of this book have all used tons of creativity to find ways to improve our world. These groundbreaking inventions include the very earliest discoveries to modern-day breakthroughs in science, food, transportation, technology, toys, and more.</p>	<p>KS2 – Evaluation (key individuals and events)</p>
<p>Inventors Discover Amazing People by Campbell Books and illustrated by Nila Aye</p>	<p>Discover the inventors who changed our world in My First Heroes: Inventors! Push, pull and slide the scenes to find out about Archimedes, Patricia Bath, George Stephenson and Hedy Lamarr, and be inspired by their incredible work. With scenes to explore, fun facts to learn and bright, bold illustration by Nila Aye, this is</p>	<p>EYFS</p>

	<p>the perfect introduction for inquisitive preschoolers to these amazing inventors. The My First Heroes books have been endorsed and recommended by Dr Amanda Gummer's Good Play Guide.</p>	
<p>This Books Thinks You're an Inventor: Imagine. Experiment. Create. by Harriet Russell</p> 	<p>This activity book helps children to think like an inventor by introducing key engineering concepts in a highly visual and entertaining way. Through fun activities and Harriet Russell's playful illustrations, it encourages readers to engage with new ideas and think about problems in a creative way.</p> <p>The book explores the six key aspects of engineering that are essential to any successful inventor: problem-finding, designing, making and testing, improving your invention, building techniques and how to find new uses for existing objects. Each spread centres on an open-ended question that introduces a different way of approaching an invention. Activities include making a bridge from toothpicks and mini marshmallows; inventing a way to lift this book without touching it; building a painting robot; designing your own remote control; and harvesting electricity from a banana. At the end of the book is a tinkering lab, which includes paper-based crafts and engineering activities.</p>	<p>KS2- Design, Mechanical Systems, Structures ...</p>
<p>How It Works Book of Great Inventors & Their Creations by Imagine Publishing</p>	<p>This book celebrates some of history's greatest minds, whose intelligence and perseverance has helped shape the modern world. Among others, you will</p>	<p>KS2 – Evaluation (key individuals and events)</p>

	<p>encounter brilliant mathematicians, celebrated scientists and photography pioneers. Get an insight into their careers and grasp the innovative spirit and determination required to change the course of history.</p>	
<p>Awesome Engineering: Fairground Rides by Sally Spray</p> 	<p>Follow the development of fairground rides, as they have grown taller, scarier, and more fantastical through engineering skill, design and ambition.</p> <p>Get to grips with the mind-boggling advances that have been made in engineering. Find out about awe-inspiring buildings and technology. The books in the Awesome Engineering series are filled with impactful artwork, diagrams and explanations that make the awesome feats of engineering easy to understand.</p>	<p>Upper KS2 – Mechanical Systems (stimulus)</p>
<p>Fairground by Anna Claybourne</p> 	<p>Get ready to build your very own fairground! From a carousel to the big wheels and roller coasters, step-by-step projects will give you all the instructions you need to make every element a model fairground needs. Learn about principles of design and engineering as well as craft techniques to unleash your creativity!</p> <p>Every project has been designed to work using things you can find lying around at home, like disposable containers and packaging, and basic art and craft equipment.</p>	<p>Upper KS2 – Mechanical Systems</p>

	<p>Why not check out the other books in the Maker Models series? Each book focuses on a place and will go through creating various parts of the structure. You could learn to make a space centre, a fairground, a transport hub, a mini-garden and biosphere or a theatre and film set and all the elements that constitute them.</p>	
<p>The Building Boy by Ross Montgomery</p> 	<p>All at once, it was as if the stars leapt closer. Grandma grabbed the boy, raising him high above the rooftiles on her head. She was alive!</p> <p>The boy's grandma was a famous architect. Her garden is still full of old building materials. Unwilling to accept she has gone, the boy builds a giant structure from the bricks and girders he finds. And then ... Grandma comes to life! The boy is whisked away on an epic adventure across fields, through oceans and atop roofs. But where is Grandma taking him?</p>	<p>EYFS/ Year1 – Construction /Structures</p>
<p>Traditional Stories The Three Little Pigs Three Billy Goats Gruff Rapunzel</p>	<p>These stories can inspire children to create and construct building</p>	<p>EYFS</p>
<p>Zaha Hadid – Little People Big Dreams by Isabel Sanchez Vegara</p> 	<p>Zaha Hadid grew up in Baghdad, Iraq surrounded by music. She was a curious and confident child, who designed her own modernist bedroom at nine years old. As a young woman studying at University in Beirut, she was described as the most outstanding pupil the teacher had ever met. With her spectacular vision and belief in the power of architecture, she founded her own firm and designed some of the most outstanding buildings in the world – including the London</p>	<p>KS2 – Evaluation (key individuals and events)</p>

	<p>2012 Olympic Aquatic Centre. This inspiring book features stylish and quirky illustrations and extra facts at the back, including a biographical timeline with historical photos and a detailed profile of the architect's life.</p>	
<p>The Upcycled T Shirt: 28 Easy-to-Make Projects that Save the Planet by Jennelle Montilone</p> 	<p>Did you know the average American throws away more than sixty-eight pounds of clothing each year? Join the revolution to reduce your carbon footprint—one T-shirt at a time!</p> <p>Widely known for her recycling efforts, environmental crafter Jennelle Montilone will show you how to upcycle tees into fun and fanciful quilts, accessories, toys, and gifts for the whole family. With nearly 30 easy-to-make ideas, you'll consume less and create more!</p>	<p>KS2- Textiles (sustainability)</p>
<p>Let's Find Levers by Wiley Blevins</p> 	<p>Did you use a fork today? Then you've used a lever! These simple machines are all around. Take a look inside and discover 13 different ways we use levers.</p>	<p>KS1 and KS2- Mechanisms/ Mechanical Systems</p>
<p>Simple Machines: Wheels, Levers and Pulleys By David A Adler And illustrated by Anna Raff</p>	<p>Machines make work easier--helping break things apart, lift heavy objects, and change the power and direction of force applied to them. In this accessible picture book, celebrated nonfiction author David A. Adler outlines different types of simple machines--wedges, wheels, levers, pulleys, and more--and</p>	<p>KS1 and KS2- Mechanisms/ Mechanical Systems</p>

	<p>gives common examples of how we use them every day.</p> <p>Anna Raff's bright illustrations show how simple machines work--and add a dose of fun and humour, too. Two appealing kids and their comical cat use machines to ride see-saws, turn knobs, and even eat apples.</p> <p>Perfect for classrooms or for budding engineers to read on their own, Simple Machines uses clear, simple language to introduce important mechanical vocabulary, and easy-to-understand examples to illustrate how we use machines to solve all kinds of problems.</p>	
<p>Make Games with Circuits: 4D An Augmented Reading Experience (Circuit Creations 4D) by Chris Harbo</p> 	<p>If you can build it, you can play it! Create fun games just by making a simple circuit. Learn about what a circuit is by creating your own. Each project contains a list of easy-to-find supplies and step-by-step instructions.</p>	<p>KS2- Electrical Systems</p>