FREE PLAYING WITH POP-UPS: THE ART OF DIMENSIONAL, MOVING PAPER DESIGNS PDF

Helen Hiebert | 144 pages | 01 May 2014 | Quarry Books | 9781592539086 | English | United States

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Join author Helen Hiebert as she guides you through materials, tools and pop-up basics including parallel folds, angle folds, combinations and variations, and layered pop-ups. Enjoy creating 20 projects to play with ranging from cards and books to buildings, graphic design pieces, and

more. Featuring a high-end gallery of artists, whose beautiful work will inspire you to make your own amazing paper art, Playing with Pop-Ups Playing with Pop-Ups: The Art of Dimensional teach you to create interactive pieces that everyone will enjoy.

Helen has an extensive network of paper colleagues around the world and her interest in how things are made from paper keeps her up-to-date on current paper trends. Reviews Review Policy. Published on. Original pages. Best for. Web, Tablet. Content protection.

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Playing with Pop-ups: The Art of Dimensional, Moving Paper Designs – ReMoticol

Playing with Pop-ups by Moving Paper Designs Helen Hiebert is an activity book on creating pop-ups. It's a beginners book that goes through the basic techniques of creating cuts and folds. The instructions are clear and simple to follow. The book starts off with the materials required and then proceeds on quickly to the 20 hands-on projects.

The designs of the pop ups are included in the book with instructions to photocopy them into different sizes. You don't want to cut the pages off from this beautiful book.

The pop-up designs are also available for download on the publisher Quarry Books website. The first five are elementary projects to start you off. The next 15 are more interesting and you can create pop-up subjects like city skyline, robot, dragon, carousel book, and more. Some are quite elaborate designs requiring many cuts, folds and gluing. The end result is often delightful and charming, Playing with Pop-Ups: The Art of Dimensional as the recreation of an interior room, or a volvelle a rotating paper mechanism.

The last chapter features a gallery of artworks from paper engineers and artists. Highly recommended to pop-up beginners. This review copy is provided by book seller and distributor APD Singapore website facebook.

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Every effort has been made to ensure that credits accurately comply with information supplied. We apologize for any inaccuracies that may have occurred and will resolve inaccurate or missing information in a subsequent reprinting of the book. Each copy is hand-cut and folded by the artist.

The Pop-Up Concertina is an accordion-folded booklet with cut-out pop-ups, covered on both sides with detailed pen illustrations. As the viewer manipulates the pages into different configurations, the cut-outs, folds, and Moving Paper Designs interact in various combinations. I found a two-dimensional rendering of this three-dimensional alphabet so intriguing that I set out to fabricate the block letters in three dimensions—literally. Soon afterward, I discovered origamic architecture OAa Japanese form of paper sculpture.

I returned from Germany and created a series of sculptures based on OA techniques I learned by studying the few books on the subject and created my first body of work for my college art thesis based on the art form. After college, I Moving Paper Designs to New York City and my Playing with Pop-Ups: The Art of Dimensional of working with paper continued.

And along the way, I discovered book arts and took courses from masters in the field at the New York Center for Book Arts. The pop-ups come to life when the viewer shines a flashlight on the pop-up animals, casting shadows onto the pages.

When given the opportunity to write this book, I decided the best approach would be to ask paper engineers from around the world to contribute projects. Thankfully, they were up to the task and designed a smashing array of projects that will introduce you to a wide variety of pop-up techniques. The gallery section Moving Paper Designs the back of the book shows off the professional work of these amazing artists and serves to inspire. Knowing that, my deduction is that we are Moving Paper Designs capable of paper engineering if we put our minds to it, Moving Paper Designs I have no doubt that there are countless pop-ups waiting to be born!

The animals are brought to life as the viewer plays with a mini flashlight packaged with the bookcasting shadows onto panels behind the pop-ups. Pop-ups are magical. It is surprising. Created inLibro dela Cosmographia by Peter Apian is an incredible example of one of the earliest volvelles created. Photo: J.

Some of the earliest movables were created in the thirteenth century in the form of volvelles, rotating paper disks, which were Moving Paper Designs calendars try your hand at making a volvelle, see page Flaps that were adhered to a page and could be lifted to reveal something underneath were another early invention, commonly used in anatomical illustrations. Soon, a variety of mechanisms started appearing on the pages of books, bringing them to life, such as hinged flaps that folded out of the page and shaped pieces that pulled out of Moving Paper Designs.

Tunnel books you can make your own, see page 76 appeared in the eighteenth century, evolving from traveling peep shows that were often carried on the backs of showmen.

Czechoslovakian artist Vojtech Kubasta was an innovator in the field around the middle of the century, developing new mechanisms and illustrating shaped books with windows cut out of the covers, as well as large-format pop-ups. During the s, book packagers companies that coordinate entire book projects, from conception to shipping helped revive the pop-up book industry, which had slowed down during World War II and the Great Depression.

The term paper engineer became official, and paper engineers began receiving credit for their work. In the s, numerous pop-up Moving Paper Designs wielding innovative engineering were produced, Moving Paper Designs the term pop-up became a household term. Up until this time, movable books were almost always educational and geared toward adults. Some notable names from the early days are Ernest Nister, a nineteenth-century German publisher who, among other things, produced movables with dissolving images, in which a pull tab enables one set of images to slide over another.

Blue Ribbon, an American publishing house founded inactually registered the term pop-up to describe movable Moving Paper Designs, and paper engineering branched out to include greeting cards and advertising around this Moving Paper Designs as well. Tabs on the cover slide from Moving Paper Designs to side moving the eyes and mouth of Father Christmas.

One other form of pop-up that began in the s and deserves recognition is origamic architecture; its development is attributed to professor Masahiro Chatani — of Japan. Chatani published more than fifty books on origamic architecture, exhibited his work, and frequently collaborated with Keiko Nakazawa and Takaaki Kihara, who are both still active in the field today.

There are many different mechanisms that can make this happen, and there is no formal dictionary of pop-up terms. Some people call the same mechanism by different names for example, a twister can be called a transformer or opposing angles with a tent. Movable books and paper engineering are broader terms that include other types of mechanisms that do not interact with the turn of a page, such as a Playing with Pop-Ups: The Art of Dimensional tab or a volvelle a rotating disk.

A few of the projects in this book the Puppy, the Volvelle, and the Rib Cage are not true pop-ups, but incorporate paper engineering techniques and are considered movables. Folio, spread, or base card b A paper engineer is someone who designs pop-up or movable books, pop-up greeting cards, or pop-ups for advertising.

Pop-ups have even been engineered for record and CD cases and have appeared on film sets. Mountain fold The Anatomy of a Pop-Up Here is a list of the parts of a pop-up, as well as common tasks you will perform to create your own. Mountain fold: when paper is folded so that it looks like a mountain peak when resting on a surface B. Valley fold: Moving Paper Designs paper is folded so that it looks like a valley or the letter V when resting on a surface C. They can be enlarged and cut out to create the pop-up projects in this book.

The templates also can be found online at www. Slit and Slot f Mechanism: a movable or pop-up structure. Tab: a small flap of paper that is glued to connect one part of a pop-up to the base card or to another piece of paper D. Slit: a cut, usually perpendicular to the edge of a sheet of paper E. Slot: a thin line cut within a sheet, into which another sheet of paper or a tab can be slipped E.

Spine g Spine: When a sheet of card stock is folded in half, the folded edge is often referred to as the spine F. Score line: a dent in card stock made with a scoring tool that helps the paper fold sharply and Playing with Pop-Ups: The Art of Dimensional.

You can score a sheet of paper by running a bone folder or another blunt object such as a paper clip along a straightedge and pressing into the paper as you do so, creasing the paper and enabling it to fold easily along the scored line G.

Basic paper engineering is still done by hand with paper, tape, and scissors. Some parts of the process have been computerized illustration and layout, for example but the actual assembly of pop-ups is still done by hand. Following Moving Paper Designs the steps from conception to completion. A prototype is produced as the paper engineer creates two- and three-dimensional sketches and performs the paper engineering B.

D Illustrations and type are added C. Once the publisher approves the idea, the paper engineering is refined to make it as simple as possible with production and cost in mind while still getting the message across D. E The mock-up is taken apart and the pieces are scanned to create digital patterns for die cutting. The final artwork is created, digitally or by hand, from illustration to engineering.

The artwork is then sent to the factory F. F H At the factory, the parts are laid out like a puzzle and fit onto a nesting sheet that contains all of the printed pieces that will be cut out. The parts are printed and then the printed sheets are die cut: Lasers are used to cut grooves into large wooden boards similar in size to the printed Moving Paper Designs and knife blades are inserted into the grooves.

Sheets of paper Playing with Pop-Ups: The Art of Dimensional fed into the die cutter one sheet at a time, and the blades cut the paper into the parts for the card G. An industrial designer plans the flow of the assembly, often employing fifty to seventyfive people to produce a complex pop-up book. Each person Playing with Pop-Ups: The Art of Dimensional the assembly line is responsible for assembling one part of the card or book h.

You might need a particular thickness for rigidity or a texture that allows the paper to slip and slide. For reference, I have included the type of paper used for each project in the book. There are often two steps to making pop-ups: practicing on a model and then making the real thing. Models can even be constructed with inexpensive office paper; once you determine your structural needs, a more appropriate paper can be picked out.

These are assorted card stocks available through Discount Card Stock see resources, page Playing with Pop-Ups: The Art of Dimensional is what happens when paper is folded against the grain. When manufactured commercially, paper fibers align in the direction that the fibers flow on the machine. When you buy sheets of paper, they have been cut down from larger sheets or rolls. The thickness of a sheet of paper is often measured with calipers and is typically given in thousandths of an inch.

The weight of a paper is described using a complex system in pounds in the United States and grams per square meter in Europe. Card stocks ranging from 65 lb.

Some papers are inherently acid-free due to their content percent cotton rag paper, for example and others are treated to make them pH neutral. Most paper suppliers offer information about the content of the papers they carry. Deco rating PaPer Most pop-up books we see are printed commercially in full color by the thousands. When you make your own pop-ups, you need to consider how they will be illustrated.

Throughout this book, you will see many illustration styles, ranging from the simplicity of pure white paper to digital art and collage. Use these as inspiration or embellish your projects in your own unique style. The sky is the limit! Knives and mats: Most of the projects in this book require a craft knife A.

My favorite type is the one that takes a 11 blade. Replace the blade often; as with knives in the kitchen, a sharp knife makes cutting easier, especially on thicker papers. A cutting mat B protects your work surface and Playing with Pop-Ups: The Art of Dimensional the knife blade from getting dull; most have grids printed on them, which makes it easy to measure and cut straight lines.

Cutting tools: I have a small paper cutter in my studio for cutting Playing with Pop-Ups: The Art of Dimensional sheets to size, as well as an assortment of scissors C.