

Paper Folding Architecture

Folding Techniques for Designers Folding in Architecture Folding Architecture Origami Architecture Kit Origami Architecture (booklet & downloadable content) The Paper Architect *All Things Paper* Origami Tessellations Frank Lloyd Wright Paper Models The Art of Folding Le Corbusier Paper Models Origami⁶: I. Mathematics *Complete Pleats* Ondori Pop-up Origamic Architecture Origami City Cut and Fold Techniques for Pop-Up Designs 10-Fold Origami Folding Tech Advanced Origami Mind-Blowing Modular Origami Folding Paper Architectural Origami Kirigami *Modular Origami Paper Pack* *Paper Sculpture* *Creative Origami and Beyond* Fabricate 2020 *The Geometry of Environment* Paper Folding Templates for Print Design Ullagami The Phaidon Atlas of Contemporary World Architecture Origami for Her Advances in Architectural Geometry 2010 Great American Buildings Origami Chiyogami Paper Pack Book *How to Fold It* American Landmarks: Miniature Models to Cut and Assemble *Origami for Him* 10-Fold Origami *Architecture of Consequence*

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Great American Buildings Dec 31 2019 Provides simple paper models of the Chrysler Building, Trump Tower, Statue of Liberty, Empire State Building, Capitol Building, Golden Gate Bridge, and other structures

Fabricate 2020 Aug 07 2020 Fabricate 2020 is the fourth title in the FABRICATE series on the theme of digital fabrication and published in conjunction with a triennial conference (London, April 2020). The book features cutting-edge built projects and work-in-progress from both academia and practice. It brings together pioneers in design and making from across the fields of architecture, construction, engineering, manufacturing, materials technology and computation. Fabricate 2020 includes 32 illustrated articles punctuated by four conversations between world-leading experts from design to engineering, discussing themes such as drawing-to-production, behavioural composites, robotic assembly, and digital craft.

Folding Tech May 16 2021 Space probes, self-assembling robots, crash-absorbing cars, and designer proteins all have one thing in common: their use of folding technologies. To develop these technologies, engineers are taking inspiration from an unusual source—origami, the ancient art of paper folding. Examine origami's origins, how it intersects with mathematics, and how it became a tool to solve some of the most complicated challenges in engineering, architecture, technology, and medicine today. Plus, get a close-up look at these technologies with two augmented reality

images included in the book!

Origami Architecture (booklet & downloadable content) Jun 28 2022 Build detailed models of your favorite iconic buildings with this easy origami ebook! Master paper crafter and preeminent designer Yee, brings origami folders this extraordinary boxed architectural craft ebook which brings some of the worlds' most recognized architectural feats to life. Yee started folding paper as a child in Hong Kong. He didn't have any toys and so learned to make his own from old newspapers. This origami ebook allows you, the paper folder to make some of his best works. Once assembled, the paper models can be displayed in 3D form on a table or shelf or they can be folded flat for easy storage and carried in a bag or briefcase to show your friends. This origami ebook contains: Detailed step-by-step origami book Over 150 full-color photos 20 sheets of high-quality, pre-cut card stock Since there is no complicated cutting or painting required, the origami models are simple enough to be considered origami-for-kids projects and are a great way for those with no previous paper folding experience to learn origami. Origami Architecture contains downloadable folding papers which gives you all the materials to get you started with assembling the scale models. The facade designs are based on the real architecture of the buildings. The decorative details are colored black to reduce the cutting work, but for those origami enthusiasts who love to cut, the black colored details can be removed, making the paper structures even more stunning. Origami projects include: The Eiffel Tower The White House The Sydney Opera House
All Things Paper Apr 26 2022 Make decorative, simple do-it-yourself projects with this friendly guide to paper crafting. You and your family will love to spend hours making beautiful paper art, jewelry, and decorations with All Things Paper. This easy paper crafts book comes with simple-to-follow instructions and detailed photos that show you how to create colorful and impressive art objects to display at home—many of which have practical uses. It is a great book for experienced paper craft hobbyists looking for new ideas or for new folders who want to learn paper crafts from experts. Projects in this papercrafting book include: Candle Luminaries Citrus Slice Coasters Mysterious Stationery Box Everyday Tote Bag Silver Orb Pendant Fine Paper Yarn Necklace Wedding Cake Card Perfect Journey Journal And many more... All the projects in this book are designed by noted paper crafters like Benjamin John Coleman, Patricia Zapata, and Richela Fabian Morgan. They have all been creating amazing objects with paper for many years. Whether you're a beginner or have been paper crafting for many years, you're bound to find something you'll love in All Things Paper. Soon you will be on your way to creating your own designs and paper art.

Modular Origami Paper Pack Nov 09 2020 This paper pack contains 350 sheets of high-quality origami paper printed in 14 different colorful patterns. Modular origami is the art and technique of folding multiple sheets of paper and then combining and interlocking them to create a larger composite geometric model—the results are truly astounding! This origami paper pack includes: 350 sheets of high-quality origami paper A variety of sizes, colors and attractive designs A full-color instructional booklet Instructions for 6 easy origami projects Clear step-by-step instruction Easy-to-follow diagrams The individual modules are folded separately and then assembled to form larger constructions typically by inserting tabs into specially created pockets. Friction and tension between the tabs and pockets hold the models together so no scissors or glue are required—folders can start right immediately after opening the box! Modular Origami Paper Pack is great for any modular paper folder and for those who want to get started in crafting these eye-catching geometric origami models.

Le Corbusier Paper Models Dec 23 2021 Le Corbusier is a Modernist icon whose buildings and theories have influenced structures the world over. Now you can create 10 of his most important

works using the art of kirigami (cutting and folding). Each project features step-by-step instructions, cutting tips, and a template that you can remove from the book. Photos of each finished model show the final design. All you need is a craft knife, a cutting mat, and a ruler. When you are done, simply display your model and admire your handiwork. *Le Corbusier Paper Models* is a must for Corb fans and architectural model enthusiasts.

The Paper Architect May 28 2022 Furnishes detailed instructions, removable templates with color-coded fold lines, patterns, and step-by-step photographs to help readers create twenty origami replicas of world-famous buildings, including the Taj Mahal, Eiffel Tower, and the Coliseum, along with colorful trivia, architectural details, and original floor plans for each building. 12,500 first printing.

The Phaidon Atlas of Contemporary World Architecture Apr 02 2020 A condensed version of the information contained in the ground breaking *Phaidon Atlas of Contemporary World Architecture*, this travel edition is pocket sized and portable, ideal for the holiday or business traveller. Organized geographically and illustrated with global, regional and sub-regional maps, locating each building, plus twenty seven city orientations, the book contains 1,052 buildings, each of which is illustrated with a single image, and is accompanied by a brief description as well as the address and telephone number

Paper Folding Templates for Print Design Jun 04 2020 *Paper Folding Templates for Print Design* is a comprehensive visual resource for anyone who designs or produces folded materials for print and direct mail. Brought to you by the industry's authority on folding, Trish Witkowski of foldfactory.com, Trish provides content that is both enlightening and interesting to read. Based upon 15 years of studying and collecting folded materials from around the globe, she starts with folding basics and quickly moves on to trends, techniques and low budget tricks that will help you break out of your folding rut. On a budget? *Paper Folding Templates* will take you way beyond the tri-fold without breaking the bank. Got a special project? The high budget splurges chapter does not disappoint. *Paper Folding Templates* will surprise you with folded formats and techniques you've never thought of, and will introduce you to additional categories such as dimensional, proprietary and branded solutions. Trish also shares gorgeous full-color photos of selected pieces from her world-famous folding sample library in special gallery sections placed throughout the book.

Origami for Him Aug 26 2019 40 varied designs for boys of all ages, including animals, boats, masks and accessories. Build impressive modular designs and impress your friends with 11 different paper aeroplanes! The 112 double-sided pull-out origami papers are all cut to the right size so you can get started straight away. Plus there are 2 pages of fun stickers to decorate your finished models. Every design is accompanied by practical diagrams and the handy difficulty levels show you which projects are best to start with.

Folding Paper Feb 10 2021 This beautiful origami art book is a collection of the best contemporary pieces from some of the worlds most renowned papercraft artists. Thanks to pioneering masters such as Dr. Robert J. Lang, origami has transcended its humble roots as a traditional Japanese papercraft to take its place among the global fine arts. In *Folding Paper: The Infinite Possibilities of Origami*, Dr. Lang and Asian art curator Meher McArthur chronicle origami's remarkable evolution and showcases the widespread applications of paper folding solutions in the fields of contemporary mathematics, engineering, design, and the international peace movement. Based around a groundbreaking museum show by the same name, *Folding Paper* features the work of more than forty leading origami artists from around the world. It traces the development of paper folding in both the East and the West, recognizing the global

influences on this international art form. Now in the early twenty-first century, origami is a sophisticated fine art form consisting of many different styles, from representational to geometric, abstract, and even conceptual. It has become a symbol of peace, an inspiration for engineers, and a conduit for scientific advancement. Featured origami artists include: Brian Chan Erik Joisel Erik and Martin Demaine Tomoko Fuse Daniel Kwan Michael LaFosse Jeannine Moseley Akira Yoshizawa Combining Dr. Lang's and McArthur's illuminating narrative history with lavish color photographs of more than sixty breathtaking works—from Joel Cooper's haunting Cyrus mask to Linda Tomoko Mihara's delicate Crane Cube to Eric Joisel's lifelike Pangolin model—*Folding Paper* is an enthralling introduction to the contemporary art of paper folding.

Complete Pleats Oct 21 2021 Paul Jackson's major new title *Complete Pleats* is the most comprehensive book about pleating on the market. It explains how pleating systems can be stretched, compressed, flared, skewed, multiplied, and mirrored, showing how from simple ideas, a huge number of original pleat forms can be created. Each technique is explained with a series of step-by-step photographs and line illustrations, enabling the designer to work through the basic principles of pleating and then adapt them to their specific needs. *Complete Pleats* also features more than 60 examples of pleats from the worlds of architecture, fashion, and product design. Paul Jackson has taught pleating techniques to students of Fashion Design for 30 years, in both paper and fabric. *Complete Pleats* is the definitive practical guide for anyone wishing to create and make pleats. The book includes a DVD featuring 23 videos of pleating techniques.

Origami City Aug 19 2021 Introducing fold-by-number, a revolutionary origami new concept in paper folding. Created by the founder of Taro's Origami Studio, *Origami City* marries the joy of paper folding with the foolproof appeal of paint-by-number with the imaginative play of LEGO or Playmobils. This ingenious book is an all-in-one kit for a complete origami metropolis: 75 realistic pieces to fold with step-by-step instructions; an illustrated paper play mat; and over 100 sheets of preprinted origami paper with numbers and lines for folding. The models—houses, office buildings, cars, emergency and construction vehicles, an airport, even dogs and squirrels to run in the parks—are meticulously detailed, illustrated by Brooklyn-based artist Simon Arizpe. For ages 7 and up.

Kirigami Dec 11 2020 Many people enjoy origami, the ancient Japanese art of paper folding, and delight in the variety of shapes that can be created. *Kirigami* adds a new dimension by combining folding and cutting. Within this book, you will find a brilliant and diverse range of projects that will show you the essentials of kirigami and build your skill in this fascinating art. From delicate snowflakes and dragonflies to decorative ornaments and attractive greetings cards, these beautiful items offer hours of pleasure in the making and are perfect presents for family and friends.

Paper Sculpture Oct 09 2020 Paper is readily available and inexpensive in comparison to other sculptural media, and can be manipulated with a set of simple tools. It is a tactile medium, which can be formed into three-dimensional shapes quickly and immediately through folding and cutting. This hands-on element is something I feel is important -- it allows the artist to engage immediately with the material, resulting in something physical and tangible. It is, perhaps, these factors that make it so appealing, not only as a tool to apply in different fields, such as model making for architecture, but as an activity for its own sake. A section of this book is dedicated to a selection of the techniques I use in the creation of my work, and which I demonstrate in my workshops. My aim is to show the basic principles of form-making in paper, which can then be expanded on and explored as the reader wishes. Also included are my sources of inspiration and details of my working practice, which shows the evolution of an initial idea into a final artwork. I

hope this book offers an insight into my work, while offering inspiration to those who wish to explore the creative potential of paper.

10-Fold Origami Jun 16 2021 Make impressive origami projects in just 10 steps with this beautiful and easy origami book. 10-Fold Origami features a completely original take on a very classic subject in this papercraft book, which features beautiful full-colored illustrations and easy-to-follow diagrams for 26 wide-ranging origami models. This origami book includes: 96 page, full-color origami book 26 original origami projects Easy-to-follow directions Helpful diagrams and photographs Paper folding basics and tips A difficulty rating is assigned to each paper crafts project, so you choose how advanced your next piece will be. For a rewarding craft that calms the spirit and sharpens the mind, look no further than 10-fold Origami. Origami projects include: Pinwheel Sunny Side Up Picture Frame Wedding Ring Goose and Golden Egg

Origami Architecture Kit Jul 30 2022 Yee is today's preeminent practitioner of origami architecture and a master paper crafter who has dedicated his life to creating scale paper models of the world's most famous buildings. Origami Architecture Kit features three of Yee's most popular designs, each a stunning example of architectural and engineering genius: The Eiffel Tower The White House The Sydney Opera House This extraordinary origami kit contains twenty sheets of high quality, pre-cut cardstock, allowing you the fun of punching out the more than fifty-five individual pieces and assembling these masterpieces. A detailed full-color instruction booklet with more than 150 photos guides your paper crafting adventure. Once completed, the paper models can be displayed as three-dimensional buildings or folded flat for easy storage and transport. Origami Architecture Kit is the perfect gift for architecture enthusiasts, paper crafters, and you!

The Art of Folding Jan 24 2022 Beginning with the simplest possible form, The Art of Folding addresses all major folding techniques, showing how they are related and giving examples of both traditional and modern variations.

Cut and Fold Techniques for Pop-Up Designs Jul 18 2021 Introducing techniques for making pop-ups from one sheet of card, the third title in this series on paper engineering takes folding techniques into the third dimension. Each chapter introduces a new technical idea and shows how that technique can be adapted in many different ways, or combined with techniques from earlier chapters. These 3-D techniques can be incorporated into any design where typography and/or illustration are used, including mail-shots, personal publicity, invitations, business cards and greetings cards. With their emphasis on surface design over complex cutting, the pop-ups have an instant appeal for designers. Following the elegant, easy-to-follow style of Paul Jackson's other titles for Laurence King, *Cut and Fold Techniques for Pop-Up Designs* is an essential resource for marketing professionals and design students.

Frank Lloyd Wright Paper Models Feb 22 2022 Frank Lloyd Wright (1867–1959) is the most renowned and popular architect and designer in America. His buildings, including Fallingwater and New York's Guggenheim Museum, are iconic landmarks. Now you can create 14 of his best loved buildings using the art of kirigami (cutting and folding). Each project features step-by-step instructions and a template that you remove from the book. You follow the lines on the template, cutting and folding to make your own model. All you need is a craft knife, a cutting mat, and a ruler. Clear cutting tips help you with the tricky stages, while photos of the finished model show you the final design. To make things easier, the most intricate parts of the templates are pre-die-cut. Then simply display your finished model and admire your handiwork. Suitable for folding experts and beginners alike, *Frank Lloyd Wright Paper Models* is a must for Wright fans and architectural model enthusiasts.

***Folding Techniques for Designers* Nov 02 2022** Many designers use folding techniques in their work to make three-dimensional forms from two-dimensional sheets of fabric, cardboard, plastic, metal, and many other materials. This unique book explains the key techniques of folding, such as pleated surfaces, curved folding, and crumpling. It has applications for architects, product designers, and jewelry and fashion designers An elegant, practical handbook, *Folding for Designers* explains over 70 techniques explained with clear step-by-step drawings, crease pattern drawings, and specially commissioned photography. All crease pattern drawings are available to view and download from the Laurence King website.

Advances in Architectural Geometry 2010 Jan 30 2020 Geometry lies at the core of the architectural design process. It is omnipresent, from the initial determination of form to the final construction. Modern geometric computing provides a variety of tools for the efficient design, analysis, and manufacturing of complex shapes. On the one hand this opens up new horizons for architecture. On the other, the architectural context also poses new problems for geometry. The research area of architectural geometry, situated at the border of applied geometry and architecture, is emerging to address these problems. This volume, presenting the papers accepted at the 2010 Advances in Architectural Geometry conference in Vienna, reflects the substantial progress made in this field. The interdisciplinary nature of architectural geometry is reflected in the diversity of backgrounds of the contributing authors. Renowned architects, engineers, mathematicians, and computer scientists present novel research ideas and cutting-edge solutions at the interface of geometry processing and architectural design.

***Creative Origami and Beyond* Sep 07 2020** The book takes traditional origami to new levels, guiding readers through an exploration of dynamic ways to fold paper, including prompts, tips, exercises and engaging step-by-step projects demonstrating both traditional and contemporary origami methods

Origami Chiyogami Paper Pack Book Nov 29 2019 New functional format, same high-quality paper! This origami paper pack from Tuttle Publishing has 256 sheets of richly saturated, double-sided origami paper. Held into place with an easy tear-out design, you won't have to worry about loose papers in your pack falling out or getting creased and crinkled. *Origami Chiyogami Paper Pack Book* includes: 256 6-inch folding papers 16 unique patterns, with a coordinating color on the reverse side 13 pages of full-color instruction, with origami tips and tricks Step-by-step directions for folding 8 origami models Chiyogami patterns are known for saturated colors and graphic patterns. They represent Japanese traditional style and are often inspired by Kimono fabric. Originally printed by woodblock, Japanese artists began to silkscreen Chiyogami designs by hand in the twentieth century, and continue to do so today.

Advanced Origami Apr 14 2021 Take your paper folding to an advanced level with this user-friendly origami book. From shimmering hummingbirds to magnificent bats, from a stunning panther mask to graceful sea turtles, Michael G. LaFosse's complex and beautiful origami projects are well known around the world. Focusing on models from nature, *Advanced Origami* provides unparalleled instruction on how to create master-class level 3D origami paper folding projects. The origami designs are challenging—they require some folding experience—but the results are more origami art than craft. Paper folders will create projects that can be displayed or given as gifts. Sophisticated origami or paper crafts fans will appreciate the unique origami designs along with complete detailed instructions and easy-to-follow color photos and diagrams. *Advanced Origami* also features information on paper selection and preparation, advance techniques such as "wet folding" and making your own paper. This origami book contains: 128 page, full-color book 15 original and challenging projects Step-by-step instructions Colorful

diagrams and photographs Advanced techniques and tips In recent years origami has evolved beyond simple folding and creasing into a true art form akin to sculpture. For those seeking to learn origami at such a level, *Advanced Origami* provides all the essential information and techniques. Soon you will be able to design and fold your own origami sculptures! Origami projects include: North American Cardinal Koi Fish Origami Butterfly Pond Frog And many more...

Architectural Origami Jan 12 2021 With just a little skill in cutting and folding, you can make perfect miniature paper replicas of great architecture - small enough to fit into an envelope as a greetings card, beautiful enough to put on display. *Architectural Origami* offers easy-to-use templates for 15 structures, from the Taj Mahal to the Rialto Bridge, all demonstrated by leading architectural origami artists. There are basic principles to start you off and advanced guidance on designing buildings of your own, plus detailed architectural narratives and graphics describing the original buildings. A craft knife, pencil, a ruler and a cutting board are all you need to undertake this intriguing craft. You'll find it as absorbing as drawing and as reflective as origami. When you've absorbed all the basic principles and tried your hand at all the buildings in the book, you'll find that you've learned enough to start you off on designing origami architecture of your own. About the authors Maria Victoria Garrido Bianchini is an origamic architecture designer with a degree in Architecture and Urbanism, whose work has been exhibited in New York. Ingrid Siliakus has been an origamic architecture designer/artist for over ten years. Her work has been displayed in exhibitions all over the world.

Ondori Pop-up Origamic Architecture Sep 19 2021

Architecture of Consequence Jun 24 2019 *Architecture of Consequence* began life as the Dutch presentation at the Sao Paulo Architecture Biennale in 2009. "Shape our country!" was the call that the Netherlands Architecture Institute (NAi) made to its public over a six-month period. The result was a deluge of proposals, as the people of the Netherlands rose to the challenge of naming their needs: new guidelines for food production, alternative energy sources, solutions for space shortage, social cohesion, a healthy living environment and the recalibration of economic value. Formulating responses to such fundamental questions of our time is, it seems, everyone's business. All of the above issues converge at spatial planning and design, where real opportunities for social innovation still await. For this project, the Netherlands Architecture Institute selected 22 Dutch architecture firms with genuinely innovative ideas on these seven imperatives and the will to do something about them. The result is an agenda for the future of our living environment and a proof that designers have the creative power to make it happen. *Architecture of Consequence* proves that any notion that architecture should be an "expression of its time," or should do no more than express the vanity of its commissioners, pales into insignificance when compared to its tremendous potential for resolving urgent societal problems.

Origami for Her Mar 02 2020 40 fun and pretty designs for girls, including jewellery, accessories and gifts. Create necklaces, earrings, brooches, bracelets, photo frames, mobiles and much more! Make gift boxes and write secret messages for your friends by folding cute mini envelopes. The 112 double-sided pull-out origami papers are all cut to the right size, so you can get started straight away! Plus there are 2 pages of stickers to decorate the finished models. The handy difficulty levels show you which designs are best to start with if you're brand new to origami.

Origami & Mathematics Nov 21 2021 is a unique collection of papers illustrating the connections between origami and a wide range of fields. The papers compiled in this two-part set were presented at the 6th International Meeting on Origami Science, Mathematics and Education (10-13 August 2014, Tokyo, Japan). They display the creative melding of origami (or, more

broadly, folding) with fields ranging from cell biology to space exploration, from education to kinematics, from abstract mathematical laws to the artistic and aesthetics of sculptural design. This two-part book contains papers accessible to a wide audience, including those interested in art, design, history, and education and researchers interested in the connections between origami and science, technology, engineering, and mathematics. Part 1 contains papers on various aspects of mathematics of origami: coloring, constructibility, rigid foldability, and design algorithms.

American Landmarks: Miniature Models to Cut and Assemble Sep 27 2019 Sixteen miniature scale models of famous U.S. architectural landmarks will captivate young and old alike. Includes the Statue of Liberty, Space Needle, Gateway Arch, Chicago Water Tower, Lincoln Memorial, Boston's Faneuil Hall, and more.

10-Fold Origami Jul 26 2019 Complete impressive origami projects in just 10 steps with this beautiful and easy origami book. 10-Fold Origami features a completely original take on a very classic subject in this papercraft book, which features beautiful full-colored illustrations and easy-to-follow diagrams for 26 wide-ranging origami models. This origami book includes: 96 page, full-color origami book 26 original origami projects Easy-to-follow directions Helpful diagrams and photographs Paper folding basics and tips A difficulty rating is assigned to each paper crafts project, so you choose how advanced your next piece will be. For a rewarding craft that calms the spirit and sharpens the mind, look no further than 10-fold Origami. Origami projects include: Pinwheel Sunny Side Up Picture Frame Wedding Ring Goose and Golden Egg

Ullagami May 04 2020 Amazing things emerge from ordinary paper with Guy Petzall's geometric kirigami designs. Starting with one of the many patterns beautifully presented in this volume, anyone with the ability to cut paper can make a pop-up card with an astonishing design - and then make it collapse again into a flat piece of paper. Ullagami Volume 1 starts with basic principles, then evolves them into ever more complex and beautiful patterns. The book also includes 8 pre-cut beginner's templates, ready to fold, so that there is an almost instant reward for those new to kirigami. Contents of each volume: Introduction, tools & techniques, 25 templates to cut, 8 pre-cut templates.

How to Fold It Oct 28 2019 What do proteins and pop-up cards have in common? How is opening a grocery bag different from opening a gift box? How can you cut out the letters for a whole word all at once with one straight scissors cut? How many ways are there to flatten a cube? With the help of 200 colour figures, author Joseph O'Rourke explains these fascinating folding problems starting from high school algebra and geometry and introducing more advanced concepts in tangible contexts as they arise. He shows how variations on these basic problems lead directly to the frontiers of current mathematical research and offers ten accessible unsolved problems for the enterprising reader. Before tackling these, you can test your skills on fifty exercises with complete solutions. The book's website, <http://www.howtofoldit.org>, has dynamic animations of many of the foldings and downloadable templates for readers to fold or cut out.

The Geometry of Environment Jul 06 2020 Originally published in 1971 The Geometry of Environment is a fusion of art and mathematics introducing stimulating ideas from modern geometry, using illustrations from architecture and design. The revolution in the teaching of mathematics and the advent of the computer in design challenge traditional ways of appreciating the space about us, and expand the 'structural' understanding of our surroundings through such concepts as transformations, symmetry groups, sets and graphs. This book aims to show the relevance of 'new maths' and encourages exploration of the widening intellectual horizons of environmental design and architecture.

Mind-Blowing Modular Origami Mar 14 2021 Modular origami is the latest craze in paper

folding! These three-dimensional models are created from a number of small pieces of paper that are easily folded and then cleverly fit together to form a spectacular shape. They range from paper polyhedra to bristling buckyballs that are reminiscent of sea urchins—to ornate flower-like spheres. Each piece of paper is held by the tension of the other papers—demonstrating the remarkable hidden properties of paper, which is at the same time flexible but also strong! Author Byriah Loper has been creating modular origami sculptures for just five years, but in that time, he's pushed the upper limits of the art form with some of the largest, most complex geometric paper constructions ever assembled. While many geo-modular origami artists focus on creating dense floral spheres, Byriah has pioneered the open, linear "wire frame" approach, which results in a very complex-looking model that reveals the interior of its form. He exhibits his sculptures annually at the Origami USA convention in New York, and was recently a featured artist at the "Surface to Structure" exhibition at the Cooper Union gallery in the East Village. A great way to learn origami, the easy-to-follow diagrams and step-by-step instructions in this book show you how to fold the paper components and then assemble them to create 22 incredible models. Each model is a new challenge, and the paper sculptures you create look fantastic on your desk or shelf!

Folding Architecture Aug 31 2022 A relatively new trend in architecture, folding is a playful method that opens up the design process to spontaneity and surprise. Folding Architecture presents the results of research into the technique, which was carried out in The Netherlands by the architectural faculty at the TU in Delft. It is an enlightening and inspiring survey that is vividly illustrated and presents all of the much-discussed concepts, projects and buildings in which this process has been applied. And as the book implies the possibilities are endless. Compulsory reference material for any architect or student of architecture who wishes to design outside of mainstream. Sophia Vyzoviti is an architect and teaches design method at the TU in Delft.

Folding in Architecture Oct 01 2022 This seminal book from Architectural Design was originally published in 1993, at a time of crucial change and on the eve of the digital revolution. It brought together a series of essays that many believe created the favourable environment in which computer-based design could thrive. Considered one of the most influential architecture publications of the 1990s, this book ranks as a classic and in itself is a crucial chapter of history, though one that has been out of print since 1999. This faithful reprinting includes a substantial new introductory essay by Mario Carpo, Head of the Study Centre at the Canadian Centre for Architecture, which examines the impact of the original texts and their ongoing significance. Thereafter, the book is true to its original content showcasing projects by ground-breaking architects such as Greg Lynn, Jeffrey Kipnis, Bahram Shirdel, Frank Gehry and Philip Johnson.

Origami Tessellations Mar 26 2022 Eric Gjerde demonstrates 25 of his favorite tessellations and turns them into projects for newcomers as well as experienced origamists. With step-by-step instructions, illustrated crease patterns, and how-to photos, you'll learn to create these wonderful designs yourself. Eric's first book covers the fundamentals of origami tessellations, provides history, and describes simple beginning techniques with detailed illustrations and photographs. An extensive gallery showcases tessellations folded by the world's leading origami fine artists---inspiring you to experiment, innovate, and eventually create your own unique designs.

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