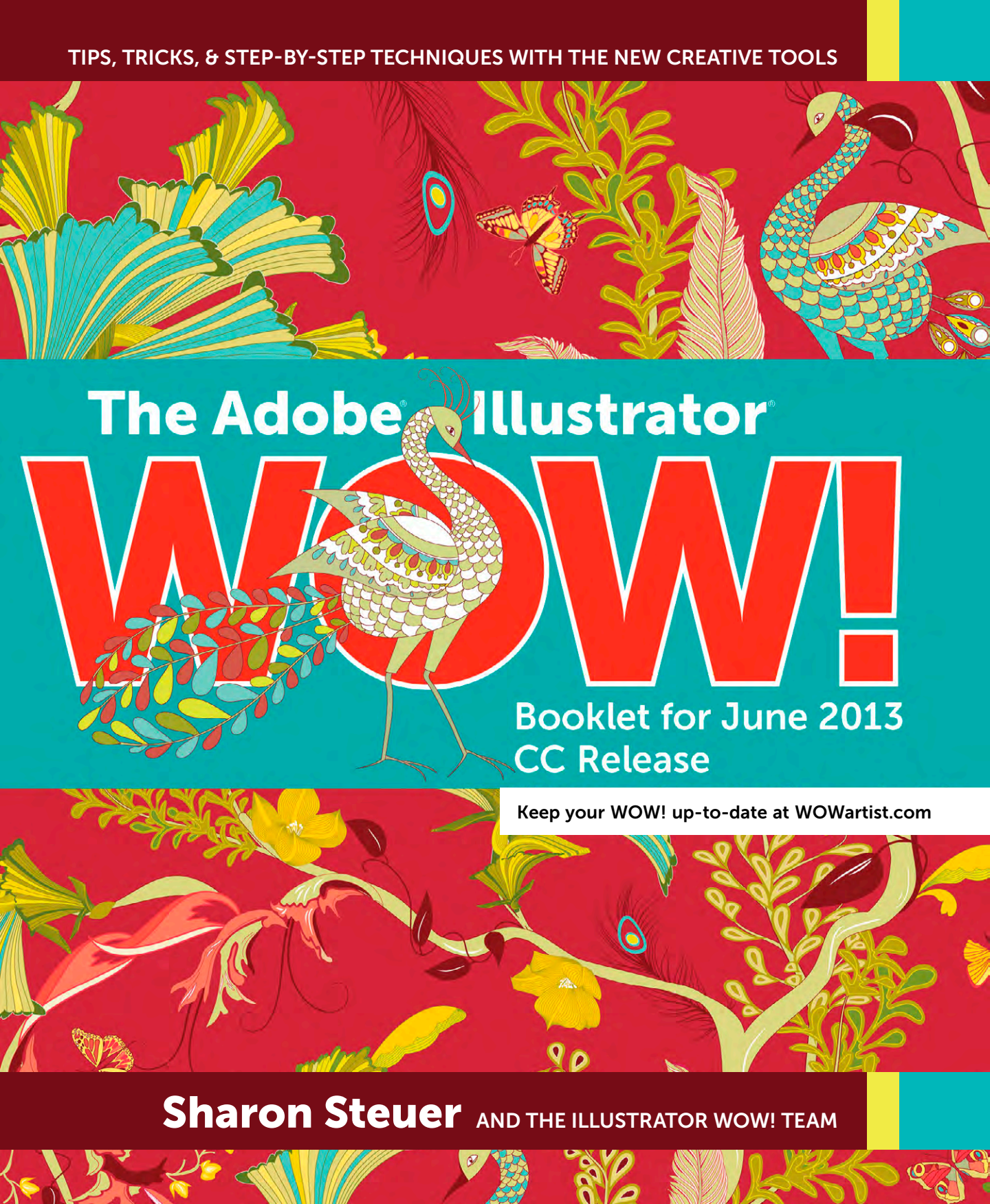


TIPS, TRICKS, & STEP-BY-STEP TECHNIQUES WITH THE NEW CREATIVE TOOLS



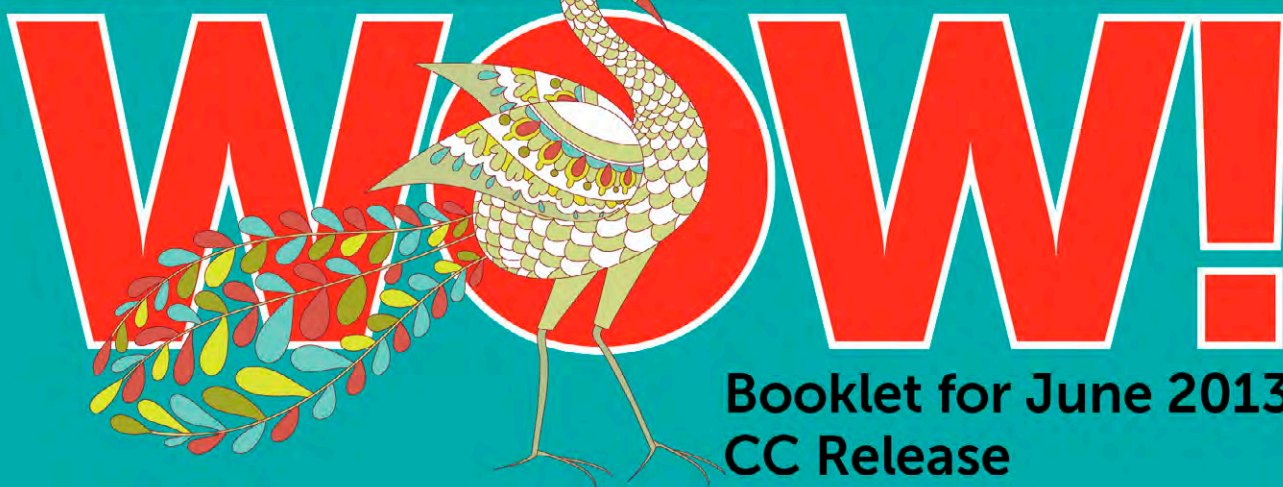
# The Adobe® Illustrator® **WOW!**

Booklet for June 2013  
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**Sharon Steuer** AND THE ILLUSTRATOR WOW! TEAM

# The Adobe® Illustrator®



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PEACHPIT PRESS



# The Adobe Illustrator **WOW!** Booklet for June 2013 CC Release

Sharon Steuer

Peachpit Press

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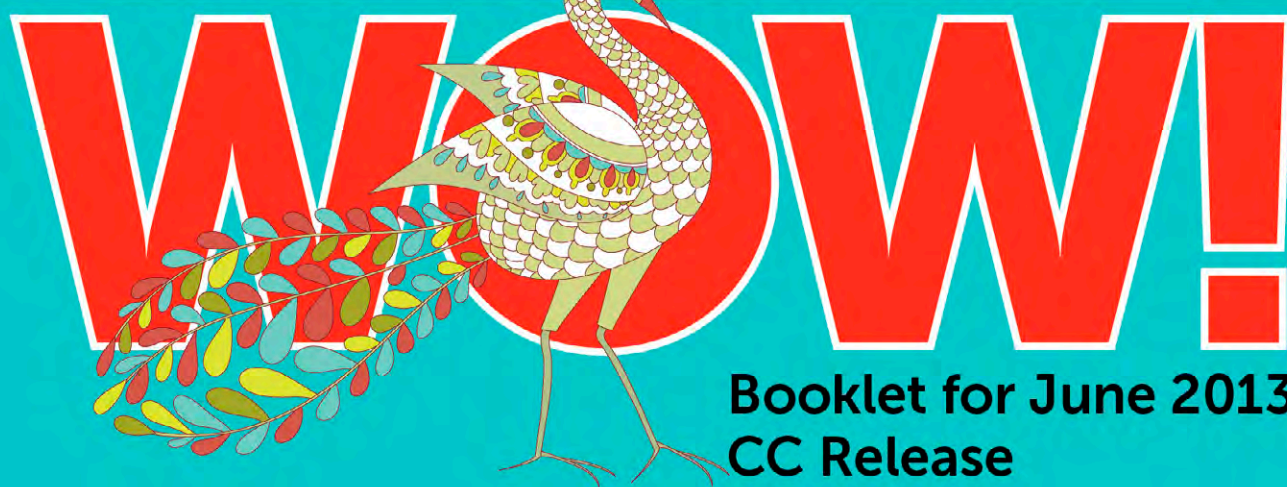
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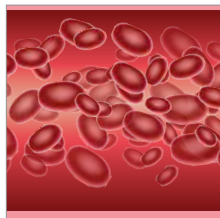
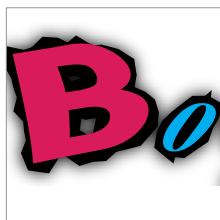


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**TIPS, TRICKS, & STEP-BY-STEP TECHNIQUES  
WITH THE NEW CREATIVE TOOLS**

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Touching Type: *Modifying Editable Letter Characters*

Steve Gordon

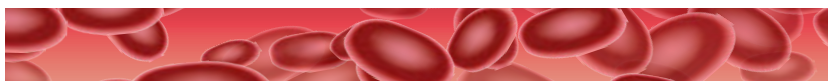


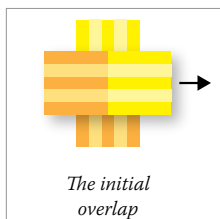
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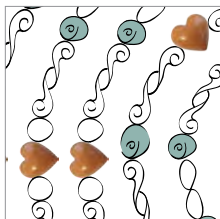
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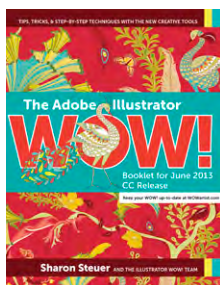
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# The Adobe Illustrator **WOW!** Team

*for June 2013 CC Release*

**Sharon Steuer** has been teaching, exhibiting, and writing in the digital art world since 1983. Sharon is the originator and lead author of **The Illustrator **WOW!** Book** series (twelve editions), and author of **Creative Thinking in Photoshop: A New Approach to Digital Art**. In between book projects Sharon is a full-time artist working in traditional and digital media ([www.sharonsteuer.com](http://www.sharonsteuer.com)). She lives with the love of her life, her audio professor husband Jeff Jacoby ([jeffjacoby.net](http://jeffjacoby.net)). As always, she is extremely grateful to **WOW!** team members (past and present), Peachpit, Adobe, and of course the amazing **WOW!** artists for constant inspiration, and for making this book possible. Stay up-to-date with new **WOW!** content from **WOWartist.com**, and find out about her **lynda.com** digital art courses on [sharonsteuer.com/lynda](http://sharonsteuer.com/lynda). You can keep in touch with her via [SharonSteuer.com/contact](http://SharonSteuer.com/contact), [facebook.com/SharonSteuer](https://facebook.com/SharonSteuer), and [@SharonSteuer](https://twitter.com/SharonSteuer) (Twitter).



**Jean-Claude Tremblay** is the owner of Proficiografik, a consulting and training service for the graphic and print community, designed to help clients work efficiently. He is an Adobe Certified Expert Design Master and an Adobe Community Professionals member. He has been deeply involved as chapter representative for the InDesign User Group of Montréal and Quebec City. After serving as a magnificent **WOW!** tester, Jean-Claude returns for his fourth mandate as the **WOW!** technical editor, chief advisor, and resident magician. You can find him hanging out on Twitter [@jctremblay](https://twitter.com/jctremblay). He lives in the greater Montréal area with his wonderful daughter Judith.



**Cristen Gillespie** has contributed to other **WOW!** books, including coauthoring **The Photoshop **WOW!** Book**. She has recently also authored articles for **CreativePro.com**. With a decades-long enthusiasm for the digital world of art and multimedia, and an equal interest in digitally preserving and presenting family histories, Cristen tackles step-by-step Techniques, Galleries, and Introductions with avid interest and commitment. She looks forward with every edition of the book to learning from wonderful artists and writers, and hopes she'll be part of the **Illustrator **WOW!**** family for many years to come.

# The Adobe Illustrator **WOW!** Team

## *for June 2013 CC Release (continued)*

**Steven H. Gordon** is a returning coauthor for step-by-step Techniques and Galleries. Steven has been an ace member of the team since **The Illustrator 9 WOW! Book**. He has too many boys to stay sane and pays way too much college tuition. Steven runs Cartagram ([www.cartagram.com](http://www.cartagram.com)), a custom cartography company located in Madison, Alabama. He thanks Sharon and the rest of the **WOW!** team for their inspiration and professionalism.

**Lisa Jackmore** writes both Galleries and step-by-step Techniques. She is an artist both on and off the computer creating artwork for nearly anyone who asks nicely. Lisa's doodles and designs are often inspired by her life's events and observations—whether the mundane or the extraordinary— and is continually grateful for those who provide the inspiration for her illustrated thoughts. She so thoroughly enjoys being a part of the **WOW!** team that she doesn't consider it work at all.

*Additional members of this team:*

**Our line-editor: Eric Schumacher-Rasmussen** has been writing and editing copy since long before it was his job. He's currently a freelance writer and editor, as well as editor of *Streaming Media* magazine ([www.streamingmedia.com](http://www.streamingmedia.com)), and is returning as our amazing line-editor for the **WOW!** book.

**Our fabulous WOW! testers for this edition:** For over 20 years **Gary Ferster** has been a freelance illustrator and animator ([www.garyferster.com](http://www.garyferster.com)). He's been a featured artist in **The Illustrator WOW! Books** since the first edition, is an Adobe Certified Expert in Illustrator, and is excited to also now be a new tester for the **WOW!** book. **Gustavo Del Vechio** is a designer, teacher, and author of books on Adobe Illustrator published in Brazil (in Portuguese). He is an Adobe Certified Expert in Illustrator since CS2 and has been a featured artist in the **WOW!** book for a number of editions. **Federico Platón** likes to re-create urban scenes and common objects using the wide variety of Illustrator tools, using a close realism approach. **Nini Tjäder** is a Mac nerd (since 1984) with a love for photography, imaging, flowers, the Internet... and a lot of other things. She is a former educator in most Adobe applications since the end of the 80s. **Chana Messer** is an artist; designer; Adobe Certified Expert in Illustrator, InDesign, Photoshop, and Lightroom, and the manager of the LA Adobe Illustrator User Group. **Monika Gause** is a graphic designer, illustrator, teacher, and author of books on Adobe Illustrator published in Germany and is a featured artist in **The Adobe Illustrator CS6 WOW! Book**.



### If you're a beginner...

Beginners are most welcome to find inspiration in this book. However, the assumed user level for this booklet is intermediate through professional. If you're a novice user, please supplement this book with basic Illustrator instruction, including free training videos from the Adobe TV website (<http://tv.adobe.com/product/illustrator/>), and from the Learn section in the Creative Cloud (<https://helpx.adobe.com/creative-cloud/products.html>).

### Where & What is WOW! ONLINE?

The best way to really learn how to make things in Illustrator is to examine complex artwork created by professional artists using Illustrator. You're in luck! ALL of the artists in this booklet have allowed us to post their works for you to pick apart. When you see this icon, you'll find related artworks on



**WOW! ONLINE.** To access **WOW! ONLINE** files, register your purchase of this booklet at [www.peachpit.com/register](http://www.peachpit.com/register). **WOW! ONLINE** also includes a PDF excerpt of **The Adobe Illustrator CS6 WOW! Book** (you can also download it here), plus a sample *Design Tools Monthly* newsletter with discount coupon and link to download more issues.

## Important: Read me first!

First of all, I am very excited about this continuation of the **Illustrator WOW!** series. In order to bring you materials in a much more timely manner, we've decided to release smaller, topic-specific **WOW!** booklets, and in this first PDF booklet we are focusing on the creative features introduced between Adobe Illustrator CS6 and the June 2013 release of Adobe Illustrator Creative Cloud (CC). This smaller format should make it possible for us to better keep up with the continually updating Creative Cloud, and to deliver these materials in a more timely manner. We are designing these booklets to function as both stand-alone resources for getting up to speed with new features, and as updates to **The Adobe Illustrator CS6 WOW! Book**. This booklet continues our tradition of emphasizing creating art and design with Adobe Illustrator, leaving both the more basic and most technical aspects of the program to other authors and instructors.

Creating the **WOW!** books is a truly collaborative project, and this one has been lovingly created for you by an amazing team of international experts. As I plan and oversee the project, our technical editor Jean-Claude, and the entire team of writers, as well our stellar **WOW!** testers, actually test and critique every page as it develops. This amazing group of experts, scattered around the globe, come together by email, iChat, [acrobat.com](http://acrobat.com), Facebook, and Twitter to deliver the **WOW!** books to you, our reader.


All lessons are deliberately short to allow you to squeeze in a lesson or two between clients, and to encourage the use of this book within the confines of supervised classrooms.

I'm immensely proud of and grateful to everyone working with me on this project. And I welcome you to the **WOW!** team.

Most sincerely,

Sharon Steuer

# How to use this book...

This **Adobe Illustrator WOW! Booklet** has been designed and tested for intermediate through professional-level users of Adobe Illustrator, and we assume that you will be making your own art as you follow along with our instructions. To inspire you even further, this icon  tells you to look for the featured artwork within that chapter's folder at **WOW! ONLINE** (see Tip, “Where & what is **WOW! ONLINE?**” on the previous page for details).

## HOW THIS BOOK IS ORGANIZED...

Where we include keyboard shortcuts, our convention is to always begin with Macintosh shortcuts first, then the Windows equivalent (⌘-Z/Ctrl-Z). Please also see the Glossary section at the back of this booklet for a full explanation of the terms that we use in the **WOW!** books.

This booklet contains several different types of information. The Introduction section opens this booklet. Here you'll find densely packed information you'll likely want to refer to again as you get more comfortable with the new tools. Mainly in the introduction, but also in the lessons and galleries, you'll find useful information organized into short Tip boxes for easy reference.

Following the introduction you'll find step-by-step Techniques (lessons) and Gallery pages. All of the lessons and galleries focus on helping you to integrate the new creative Illustrator features (added after CS6 and through the June 2013 CC Release) into your workflow. Although this booklet focuses mainly on the new features, you can often explore other aspects of how an image is created by examining the actual artwork from **WOW! ONLINE** (see Tip “Where and What is **WOW! ONLINE**” on the previous page).

The final sections in the back of the booklet include valuable tips from *Design Tools Monthly*, the Mac and Windows Glossaries of **WOW!** terms, an appendix that lists our **WOW!** artists, and coupon codes for **The Adobe Illustrator CS6 WOW! Book** (35% off), and Sharon's Illustrator brushes courses on lynda.com (7-day FREE trial).

## What's new in CC?

Major new features for CC include auto-generated corners for Pattern brushes, and using raster artwork in Art, Scatter, and Pattern brushes. Find fonts and swatches with improved searching methods, place multiple files in one step, unembed art, and package files for output with their links and fonts included. Export CSS and SVG code to your HTML editor, and transform text and artwork with a new interface that works with touch devices.

## Tip boxes

Look for these gray boxes to find Tips about Adobe Illustrator.

## Keep in touch with us!

Join us at **WOWartist.com**, where you'll be able to keep up-to-date on the latest **WOW!** happenings, including future booklets covering Adobe Creative Cloud releases, topical ebook and print editions of **WOW!** books, free course outlines for use with the books, links to CreativePro **WOW!** articles, and more. From **WOWartist.com** you'll also be able to find out more about Sharon's lynda.com online video courses in Illustrator, sign up for Sharon's occasional newsletters, subscribe to her blog (updated a few times a month), access her daily Twitter and Facebook posts, or contact her directly.



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**Escape the Grid**

To hide the Perspective Grid in Illustrator CC, simply press the Esc key. To show the grid again, reselect the Perspective Grid tool after you've selected any other tool, or select the command View> Perspective Grid> Show Perspective Grid (⌘-Shift-I [Mac]/Ctrl-Shift-I [Win]). If the Perspective Grid tool is active when you hide the grid with the Esc key, clicking on the tool again won't do anything.

**How Big is a Megapixel?**

A megapixel is roughly one million pixels. Multiply W x H in pixels to get the total area. A filled rectangle 1024 x 1024 px is the maximum usable size, but can sometimes be larger if the artwork boundaries contains fully transparent pixels.

**Place Those Guides Quickly**

To create guides, you no longer have to drag out each guide from a ruler onto the artboard. Now, double-click anywhere on a horizontal ruler, for instance, to place a vertical guide where you clicked, or Shift-click to force the guide to the nearest tick mark. Holding ⌘ (Mac)/Ctrl (Win), click-drag from the upper-left corner of a ruler to create crossing horizontal and vertical guides on your artboard.

The newest “feature” in Illustrator is that it's now fully part of the Creative Cloud subscription model. To get any of the other new features, users will have to purchase a monthly or annual subscription, either for Illustrator as a stand-alone application, or for all the applications and services in the Creative Cloud. Support for CS6 will continue, but only for an as-yet-undetermined period of time. In the following pages, we'll cover most of the features that have been tweaked or added since CS6, with the emphasis on those features that impact our creative workflow. The lessons and galleries that follow will focus mainly on new features that affect brushes and type.

**BRUSHES****Image Brushes**

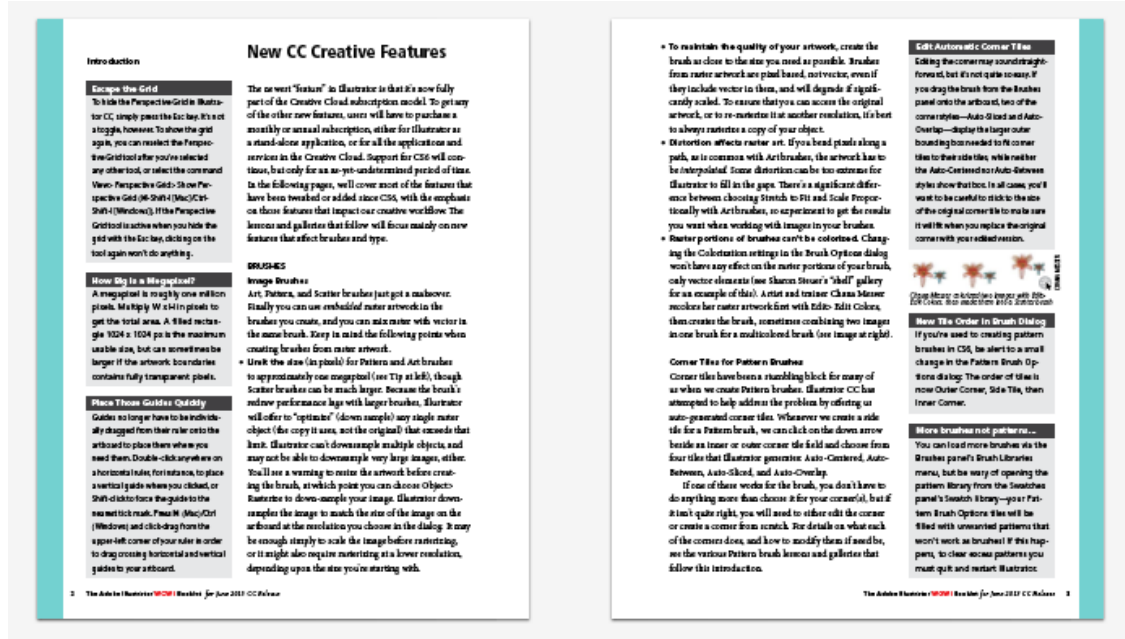
Art, Pattern, and Scatter brushes just got a makeover. Finally you can use *embedded* raster artwork in the brushes you create, and you can mix raster with vector in the same brush. Keep in mind the following points when creating brushes from raster artwork.

- **Limit the size** (in pixels) for Pattern and Art brushes to approximately one megapixel (see Tip at left), though Scatter brushes can be much larger. Because the brush's redraw performance lags with larger brushes, Illustrator will offer to “optimize” (down sample) any single raster object (the copy it uses, not the original) that exceeds that limit. Illustrator can't downsample multiple objects, and may not be able to downsample very large images, either. You'll see a warning to resize the artwork before creating the brush, at which point you can choose Object> Rasterize to down-sample your image. Illustrator down-samples the image to match the size of the image on the artboard at the resolution you choose in the dialog. It may be enough simply to scale the image before rasterizing, or it might also require rasterizing at a lower resolution, depending upon the size you're starting with.

# The Adobe Illustrator **WOW!** Booklet for June 2013 CC Release

## Tips, Tricks, & Step-by-Step Techniques with the New Creative Tools

(Thumbnail Preview of Introduction pages 2–3)



# The Adobe Illustrator **WOW!** Booklet for June 2013 CC Release

## Tips, Tricks, & Step-by-Step Techniques with the New Creative Tools

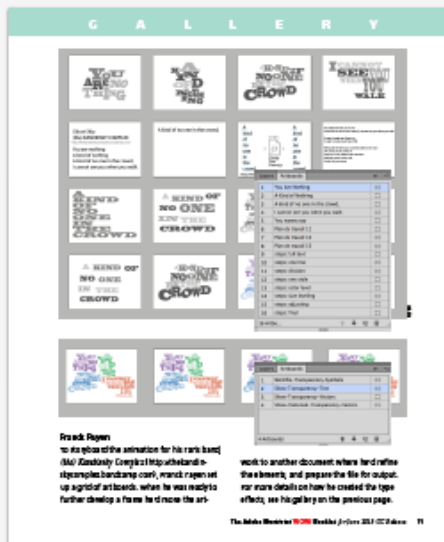
(Thumbnail Preview of Introduction pages 4–7)



# The Adobe Illustrator **WOW!** Booklet for June 2013 CC Release

## Tips, Tricks, & Step-by-Step Techniques with the New Creative Tools

(Thumbnail Preview of Type Lesson and Galleries pages 8–11)

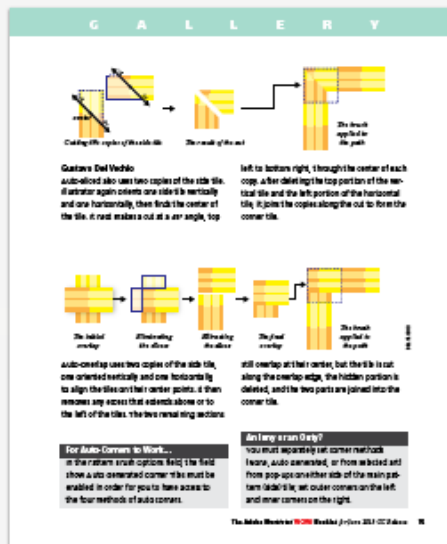
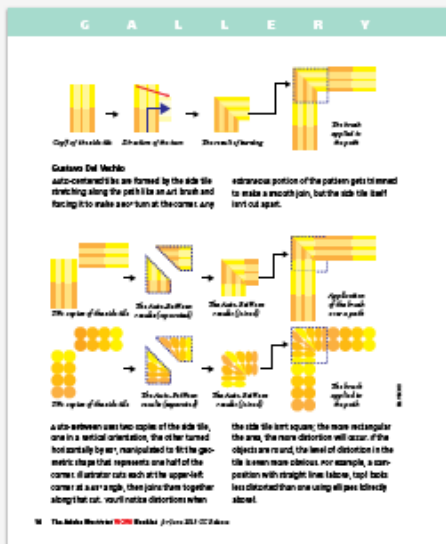
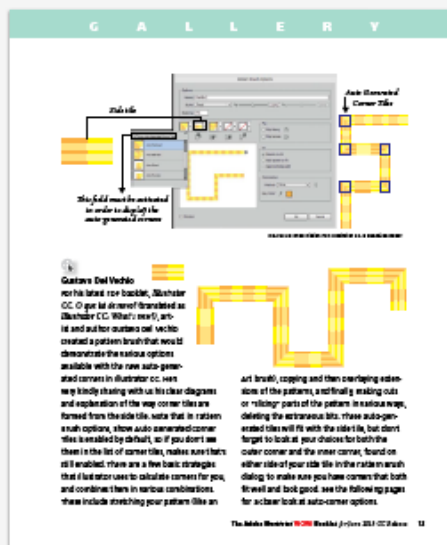
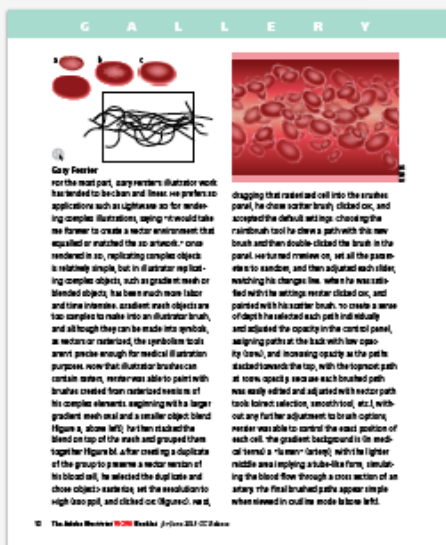




# The Adobe Illustrator **WOW!** Booklet for June 2013 CC Release

## Tips, Tricks, & Step-by-Step Techniques with the New Creative Tools

(Thumbnail Preview of Scatter Brush Gallery and Special Pattern Corner Guide pages 12–15)



# The Adobe Illustrator **WOW!** Booklet for June 2013 CC Release

## Tips, Tricks, & Step-by-Step Techniques with the New Creative Tools

(Thumbnail Preview of Pattern Brush Lesson and Galleries pages 16–19)

### Brush Corners

Robert Jackson shows how to create a corner brush.

**Overview:** Decide a part of a photo to use as a corner brush by creating a mask for it in Photoshop or ImageLab, export image and Illustrator, and create image, create a Pattern Brush from the raster image, use the Pattern Brush Options to specify the attributes.



Applying a Pattern Brush along a path is fairly simple, and now Illustrator can help create the corner for you. In fact, Illustrator can assist in creating corners for raster brushes!


- Preparing a Raster Image to use as a brush in Illustrator:** In Photoshop, like Jackson selected the mask from the photo, clicked the Layer Mask icon (to make it visible) with the main selection active the close image. Crop to trim the file to the size of the mask. To bring the image into Illustrator as an embedded image, she then saved it as PNG to keep the file size as small as possible. You can use either JPEG or PNG to bring in a masked image with opacity. Jackson opened the image directly in Illustrator. Alternatively if you choose File > Place, you can disable the Link option, or if it's already linked image in your document you can click Shift from the Control Panel. Jackson then moved the image to the corner size for the frame she intended to make (holding Shift when she dragged the corner of the bounding box).
- Creating the Pattern Brush:** Jackson dragged the image to the Brushes panel, selected Pattern Brush, and clicked OK. For the first version of her brush, in the Pattern Brush Options, she named the brush, kept the scale fixed (locked), Spacing on. She selected the Corner Corner

**The Adobe Illustrator WOW! Booklet for June 2013 CC Release**

Tile and chose Auto-Centered, then clicked on the Inner Corner Tile and chose Auto-Centered as well. Jackson chose Approximate Path and Spacing on. She made a rectangle with the Rectangle tool and selected the Mask/Pattern Brush icon in the Brushes panel. Jackson chose the Approximate Path option and Spacing on, her mask/Pattern Brush evenly distributed around the path with no gaps between the individual, and no gaps between. However, depending on the size, it adjusts the path size to accommodate the pattern tile. The smaller the pattern, the less your pattern will be modified as it's applied. She can reduce the scale of your pattern by just adjusting the stroke weight in the Control panel.

**Experimenting with Brushes:** When experimenting with brushes it's always best to work with a duplicate. To do this, drag the brush you wish to modify to the New Brush icon in the bottom right of the Brushes panel. Then to modify this brush, double-click it in the panel. In Pattern Brush Options you can then try the different spacing options as well as a different type of Auto-Centered, Fit, and Scale. Jackson chose Auto-Centered to make the modification that you chose, and click OK. You can then apply this brush to another path, or you can duplicate the original path, and then apply the modified version so you can compare the brushes.

You can continue to make new brushes and you've experimented with all the different parameters, and if the brushes are meaningfully named, you'll be able to figure out if there is a different combination of Corner, Fit, and Scale you want to try. If your image is a complicated shape, or has a repeating pattern, it will be more challenging to find the right Auto-Centered. If you find you do not like the Auto-Centered results, you may have to go back into your image editor and make adjustments to the image and then try the Auto-Centered again. If that doesn't completely fit your corner, you can manually edit the corners in Illustrator (see the following gallery for more about updating brush definitions).



**Existing image crops**  
Make and crop your image in Photoshop to the desired size rather than trying to apply a clipping mask to the placed image in Illustrator, because Illustrator will use the entire placed image dimensions—not just the intended crop dimensions—as the tile size.  
—Cory Doctorow

**Auto-Centered Corner Tile, Auto-Centered Inner Corner Tile**

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### GALLERY

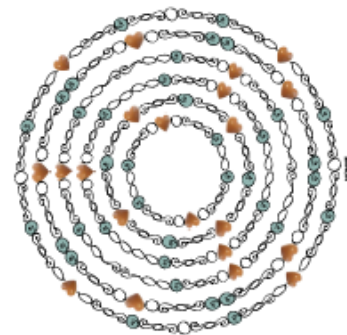
Like Jackson, like Jackson created a raster image within her pattern brush using variable width with profile. She began by drawing the bottle, the text, one set of circles, and the blue head with a slight tilt. Jackson then placed the raster image into the pattern brush, and she selected the path, switched to the width tool, and then selected several points. She held the Shift key down while dragging one point to uniformly modify the width. She continued until the bottle looked as though they were lying flat, with some of the hearts slightly larger than others. She saved the profile by clicking the add to profile icon in the variable width profile menu in the control panel. With her main elements in place, Jackson added background color with a bottle brush and the text and flowers with a calligraphic brush. Jackson saved the profile in the application settings, she now has access to this outline profile to apply to paths of any type, including brushes. Jackson created several variations of the original brush that she can now substitute for the original; you can see some in the opposite page.



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### GALLERY

Like Jackson, with just a few adjustments to her design, like Jackson was able to very quickly make variations to her pattern brushes. As shown at right are several pattern brush variations created for the opposite page, which are then applied to circle paths above.

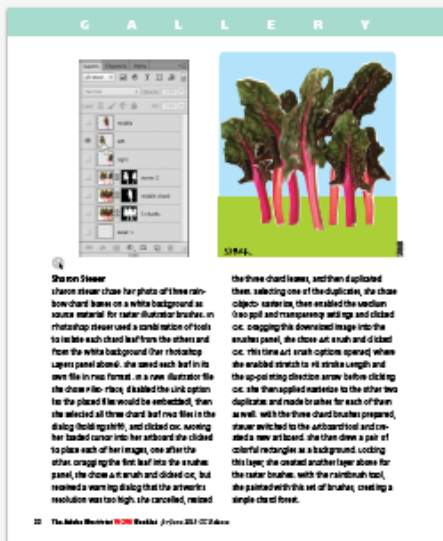


**The Adobe Illustrator WOW! Booklet for June 2013 CC Release**

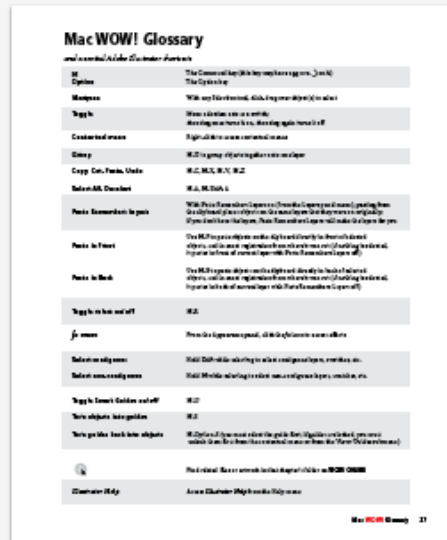
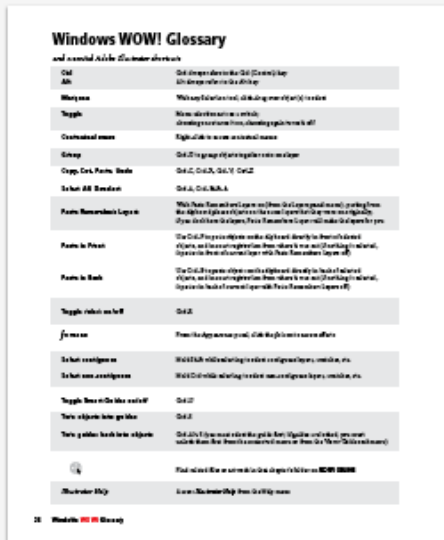
# The Adobe Illustrator **WOW!** Booklet for June 2013 CC Release

## Tips, Tricks, & Step-by-Step Techniques with the New Creative Tools

(Thumbnail Preview of Pattern and Art Brush Galleries pages 20–23)



(Thumbnail Preview of Design Tools Monthly Tips and **WOW!** Glossaries pages 24–27)





# Artists

## NOTE:

**Artists who contributed to this booklet are in black.**

**Artists not in this booklet, but who are in The Adobe Illustrator CS6 WOW! Book, are in gray.**

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# Acknowledgments

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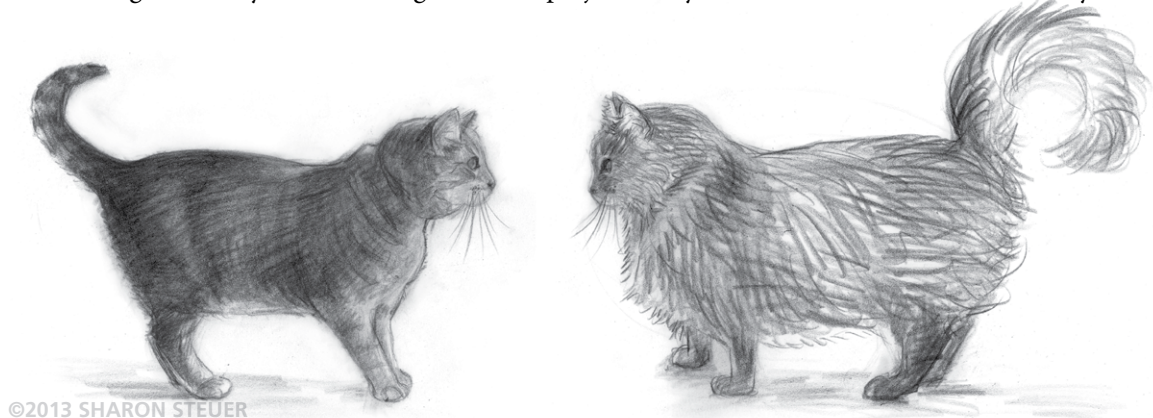
Special thanks to Jean-Claude Tremblay, our amazing technical editor. We are so lucky to have JC advising us on every technical detail of this project. Thanks to all the folks at Adobe who help answer our questions and solve our emergency issues, including Chris Kitchener, Terry Hemphill, Pallab Jyotee Hazarika, Vineet Punjabi, Anubhav Rohatgi, and of course Brenda Sutherland. Thanks Russell Brown for awarding the **WOW!** book with a zombie street value of 3 brains.

This revision is the result of a major team effort by an amazing group of friends and collaborators. Thankfully Cristen Gillespie is sticking with Illustrator **WOW!** Also blessedly returning were veteran **WOW!** artist/writer Lisa Jackmore and cartographer/writer Steven Gordon. Thank you to Gary Ferster, Gustavo Del Vechio, Franck Payen, Chana Messer, Monika Gause, Federico Platón, and Nini Tjäder for contributing artwork, explanations, and expertise as **WOW!** testers. Thanks to Sabine Reinhart for the wonderful cover art. Thank you Eric Schumacher-Rasmussen for returning as the master juggler of all our editing. Thank you Liz Welch for the proofreading.

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This booklet is dedicated to the most loyal of companions, who patiently kept me company while I sat glued to my chair working on **WOW!** projects—my sweet Puma and Bear. I will miss you.



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# The Adobe Illustrator **WOW!** Book Production Notes

*for June 2013 CC Release*

## Interior Book Design and Production

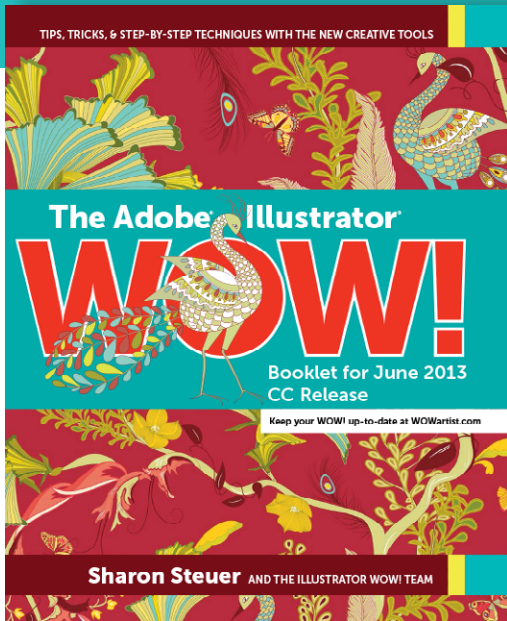
This book was produced with InDesign CS5.5 and CS6 using Adobe's Minion Pro and Frutiger LT Std OpenType fonts. Barbara Sudick is the artist behind the original **Illustrator WOW!** design and typography, using Jill Davis's QuarkXPress layout of **The Photoshop WOW! Book** as a starting point. Cary Norsworthy and Mimi Heft (who also designed our book cover) contributed to new page-design specs. Victor Von Salza modernized our style sheets and led the porting of our templates from QuarkXpress to InDesign. Not only is Jean-Claude Tremblay our technical editor, but his company Proficiografik produces (and troubleshoots) all the PDFs for the book.

## Additional Hardware and Software

Although most of the **WOW!** team uses Macintosh computers, we have testers and writers who do Windows (or both Mac and Win). In addition to Adobe InDesign CS5.5 and CS6, we used Adobe Illustrator CC (of course!), Adobe Photoshop CS5/CS6/CC, and Ambrosia Software's Snapz Pro X for the screenshots. We used acrobat.com and Adobe Acrobat 9/10/11 for distribution of the book pages among the authors, testers, editor, indexer, Peachpit, and proofreaders. Many of us use Wacom tablets and Art Pens.

## How to Contact the Author

If you would like to submit artwork that you've created using Illustrator's new features for consideration in future **Illustrator WOW!** books, please email a link to a web page containing samples of your work (no files please!) to Sharon at **SharonSteuer.com/contact**. For timely updates about all things digital, including future announcements about upcoming print and digital forms of the **WOW!** books, please stop by **WOWartist.com**, where you can also sign up for Sharon's newsletter and subscribe to her blog. For more frequent updates you can also find Sharon at **facebook.com/SharonSteuer** and **@SharonSteuer** (Twitter).



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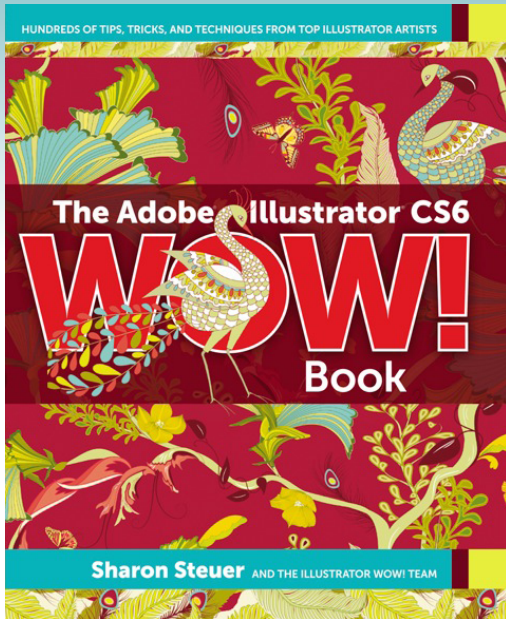
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Adobe Illustrator is the indispensable vector drawing tool used by digital artists around the world. As a key component of Adobe's Creative Cloud and Creative Suite, Illustrator provides artists with powerful drawing tools, unparalleled typographic controls, and much more.

In this concise standalone update to the award-winning **Adobe Illustrator CS6 *WOW!* Book**, Sharon Steuer and her **WOW!** team focus on the new creativity-enhancing features included in the June 2013 update to the Creative Cloud edition of Adobe Illustrator. This digital booklet includes tips, tricks, and step-by-step techniques designed to help Intermediate through professional users of Illustrator to efficiently integrate changes in workflow and get up to speed on the more creative features of this software update (register the booklet to download sample art files). Find additional **WOW!** content, course outlines, and further Creative Cloud updates at [WOWartist.com](http://WOWartist.com).

For the past three decades, **Sharon Steuer** has pioneered the merging of traditional and digital art forms. Sharon's recent artwork weaves together oil paintings, digital paintings, drawings, photographs, and personal artifacts in an exploration of fragmented childhood memory. She is the author of the bestselling *Adobe Illustrator WOW! Books* and *Creative Thinking in Photoshop*, and she regularly contributes to CreativePro.com, hosts and curates the #DigitalArtistSpotlight at AstuteGraphics.com, and teaches digital art courses on lynda.com ([www.sharonsteuer.com/lynda](http://www.sharonsteuer.com/lynda)). Sharon has been honored to receive the Faber Birren Color award, a Windsor Newton Painting award, three Benjamin Franklin Awards, and an Artist Fellowship Grant from the Connecticut Commission on the Arts. Sharon's painting studio is in the Mission district in San Francisco.

Find out more about Sharon and all things **WOW!** at [www.WOWartist.com](http://www.WOWartist.com).



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