



Photoshop for Geeks

Photoshop Scripting for Beginners

Photoshop World

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Photoshop for Geeks

What you will get out of this class

- **What is Scripting?**



Photoshop for Geeks

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- **Examine some existing scripts.**



Photoshop for Geeks

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Photoshop for Geeks

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- **Look at the Photoshop DOM.**



Photoshop for Geeks

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- **What is Scripting?**
- **Examine some existing scripts.**
- **Make scripting more approachable.**
- **Look at the Photoshop DOM.**
- **Write some beginner scripts.**



Photoshop for Geeks

What you will get out of this class

- **What is Scripting?**
- **Examine some existing scripts.**
- **Make scripting more approachable.**
- **Look at the Photoshop DOM.**
- **Write some beginner scripts.**
- **Use templates to create more complex scripts.**



Photoshop for Geeks

What is Scripting and how is it different from Actions?



Photoshop for Geeks

How is Scripting different from Actions?

- **Actions are easy to use. You hit record, do your steps, hit stop and play back.**
- **Actions while powerful enough for most users, are basically “monkey see, monkey do.”**



Photoshop for Geeks

With Scripting you can:

Get information from Photoshop

- **Intelligent renaming of files.**
- **Perform Conditional Actions.**



Photoshop for Geeks

With Scripting you can:

Process multiple Images

- **Process folders of images.**
- **Process all open documents.**
- **Create documents from scratch.**



Photoshop for Geeks

With Scripting you can:

**Process multiple parts of
documents**

- **Layers**
- **Layer Comps**
- **Channels**



Photoshop for Geeks

With Scripting you can:

Create text files with information
from processed images

- **.csv/spreadsheets**
- **.xml**
- **.html**
- **.js/javascript**



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With Scripting you can:

Manipulate the file system

- **Create new folders.**
- **Save, copy, and move files.**



Photoshop for Geeks

With Scripting you can:

Design User Interfaces

- **Create easy to use dialogs for non-scripters.**



Photoshop for Geeks

What is Scripting?

- Photoshop supports 3 scripting languages:
 - AppleScript
 - VB Script
 - JavaScript
- AppleScript and VB Script are platform specific scripting languages.



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What is Scripting?

JavaScript

- Cross-platform, and widely used in web creation.
- ExtendScript is Adobe's flavor of 'extended' JavaScript.
- JavaScript, ExtendScript, ActionScript are all flavors of standardized ECMAScript.



Photoshop for Geeks

What is Scripting?

JavaScript

- JavaScript is NOT Java.
- JavaScript is not compiled.
- Requires only a text editor to edit & create.
- Like HTML, it's easy to start with templates, and/or learn from someone else's code.



Photoshop for Geeks

Existing Scripts

Shipping Scripts

File>Scripts>

- Export Layers to Files
- Layer Comps to Files
- Layer Comps to PDF
- Layer Comps to WPG
- Iterate over elements in a single document.



Photoshop for Geeks

Existing Scripts

Shipping Scripts

File>Scripts>

- Image Processor
- Load Files into Stack (Photoshop Extended Only)

- Iterates over multiple files



Photoshop for Geeks

Existing Scripts

Shipping Scripts

File>Scripts>

- **Script Events Manager**
- **Attach a script or action to run after a specified event has occurred.**



Photoshop for Geeks

Case Studies

Modified Scripts

- Export Layers to Files_PNG



Photoshop for Geeks

Case Studies

Custom Scripts

- Airtight Postcard and SimpleViewer Scripts.
- PayPal Web Photo Gallery Script.



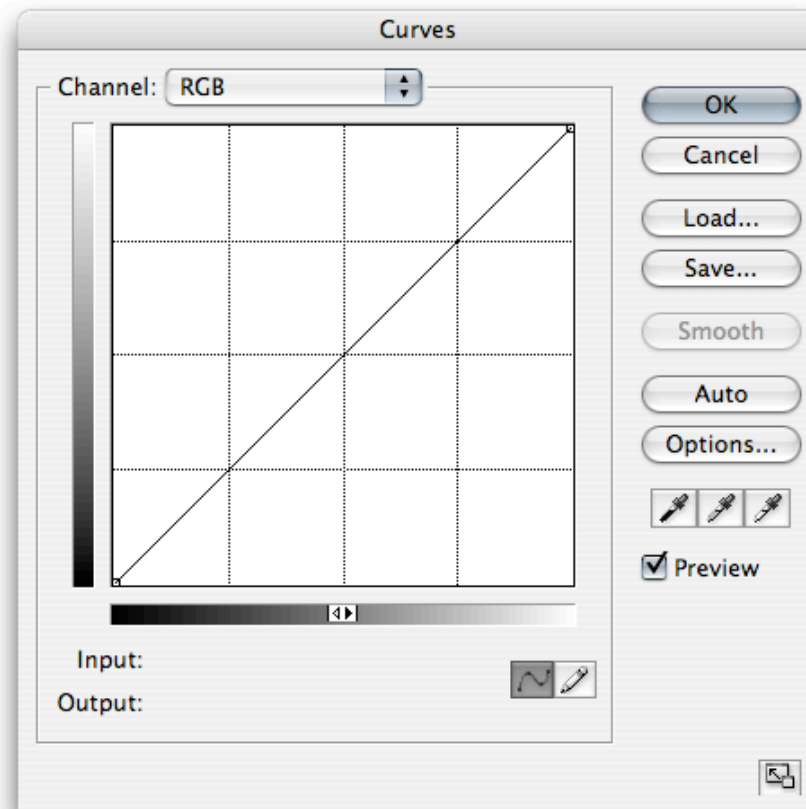
Photoshop for Geeks

Where do you begin scripting?



Photoshop for Geeks

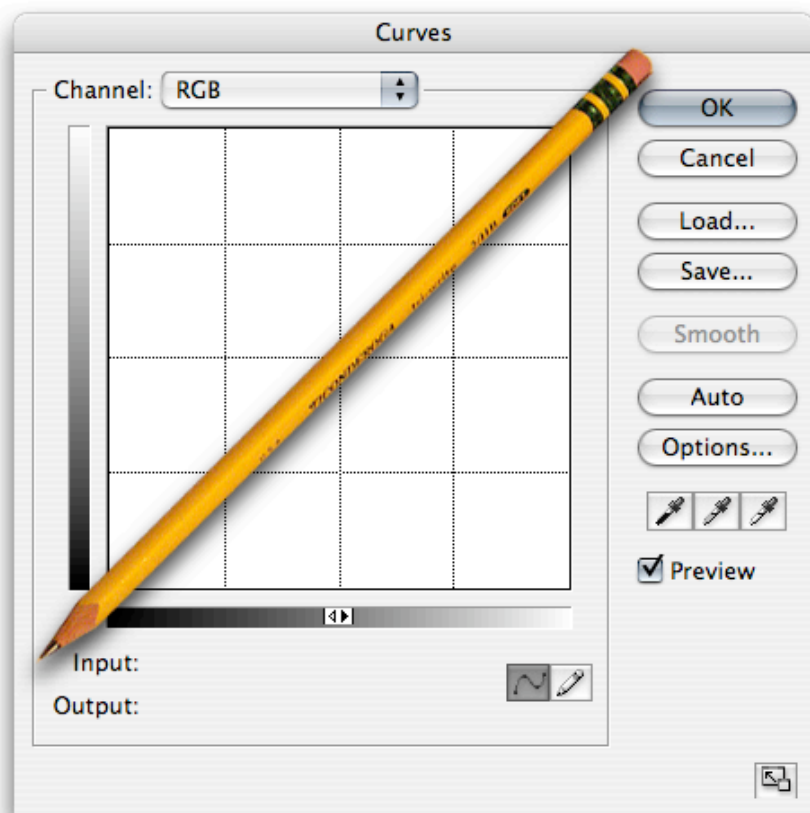
**Where do you begin scripting?
Metaphors**





Photoshop for Geeks

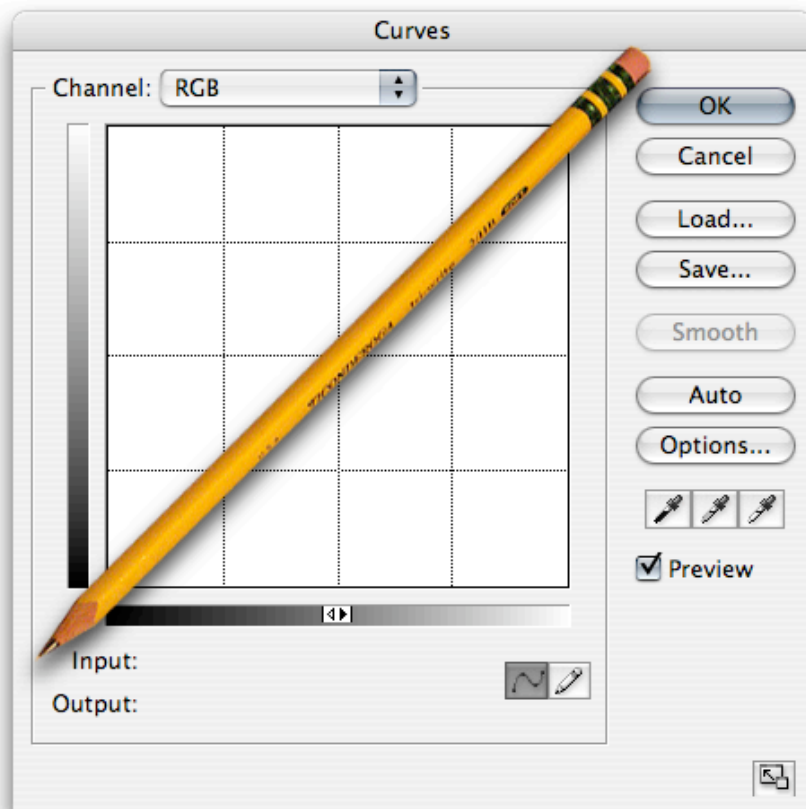
**Where do you begin scripting?
Metaphors**





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Where do you begin scripting? Metaphors





Photoshop for Geeks

Where do you begin scripting? Metaphors

MAD LIBS®

PILOT TO PASSENGERS

Ladies and gentlemen, welcome aboard smudged ADJECTIVE Airline's Flight 750. This is your captain and pilot, Julie Andrews CELEBRITY. We have a/an crotchety ADJECTIVE tailwind and will soon be flying through a heavy road NOUN storm. So I'll have to ask you all to fasten your hair raising ADJECTIVE belts and wallow VERB your trays to the long ADJECTIVE position. In the meantime, I hope you have a/an hard ADJECTIVE trip.

For tomorrow's Mad Libs® choose:

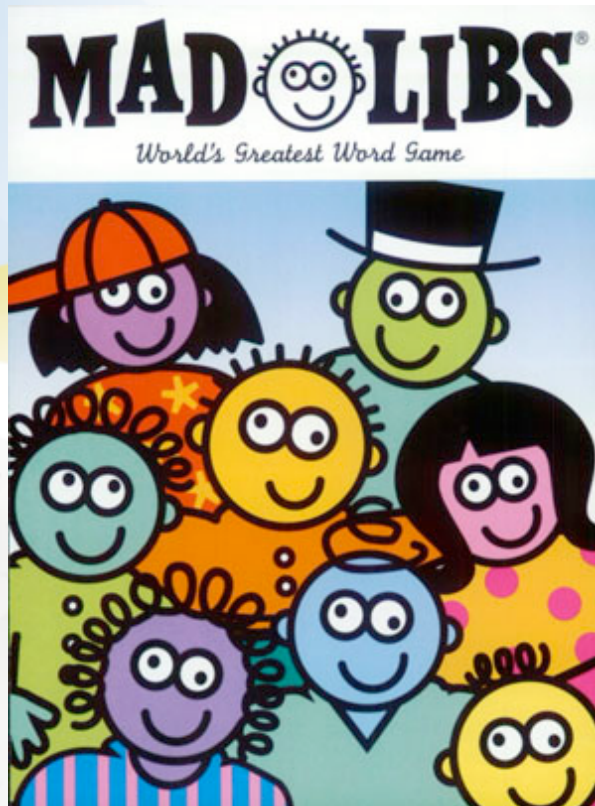


Ps

Photoshop for Geeks

Where do you begin scripting?

Learn scripting grammar



- You don't have to write the whole story.
- You just need to know a few things about grammar:
- Verbs, Nouns, & Adjectives



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Where do you begin scripting?

Learn scripting grammar

- You don't have to know how to write an entire script
- Nouns = Documents, Layers, and Channels
- Verbs = Methods/Functions





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Where do you begin scripting?

Use Recipes



1 cup boiling water

1 pkg. Strawberry JELL-O

2 cups mixed berries

1 pkg. (8 oz.) PHILADELPHIA Cream
Cheese

1-1/4 cups cold milk

1 pkg. Vanilla JELL-O Instant Pudding

1 tub (8 oz.) COOL WHIP Topping,
thawed

1 pkg. (12 oz.) pound cake, cubed



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Where do you begin scripting?

Reuse complex Ingredients

Ingredients: sugar, gelatin, adipic acid (for tartness), less than 2% of artificial flavor, disodium phosphate and sodium citrate (to control acidity), fumaric acid (for tartness), and the colorant red 40.





Photoshop for Geeks

Writing your first Script



Extend Script Toolkit 2.0 (ESTK)

Macintosh:

Applications/Utilities/Adobe Utilities/ExtendScript Toolkit 2

Windows:

C:\Program Files\Adobe\Adobe Utilities\ExtendScript Toolkit 2



Photoshop for Geeks

Where to go for more help with scripting

<http://www.tranberry.com/>

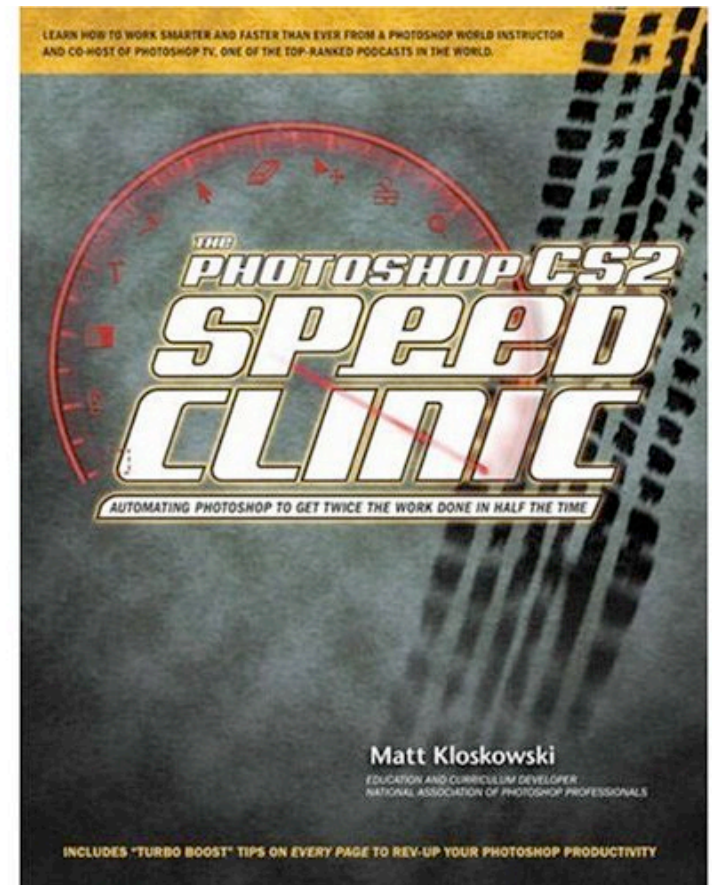


Photoshop for Geeks

Where to go for more help with scripting

The Photoshop CS2 Speed Clinic:
Automating Photoshop to Get Twice
the Work Done in Half the Time

by Matt Kloskowski





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Where to go for more help with scripting



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[Online Training Library™](#) » [Adobe](#) » [Photoshop CS2 Actions and Automation](#)

Photoshop CS2 Actions and Automation
with: [Deke McClelland](#)

6.5 hours of scripting training

Recording actions and automating common tasks saves time and makes performing repetitive tasks more efficient. In *Photoshop CS2 Actions and Automation*, Certified Adobe instructor Deke McClelland teaches users how to build actions more efficiently and reliably, identifies places where automation functions can be improved, and provides an understanding of JavaScript commands to dramatically expand automation possibilities. Better still, he discusses how to troubleshoot when things go wrong. The instructor also explores the power of workspaces and batch processing, and describes Droplets inside out. The training shows how to turn Photoshop into an industrious, image-crunching, timesaving tool -- and the instructor shares his top insights and techniques. This training title offers expert guidance and instruction to prepare users to automate common (and occasionally complex) tasks.



Photoshop for Geeks

Where to go for more help with scripting

Adobe Scripting: Your Visual
Blueprint to Scripting in
Photoshop and Illustrator

by Chandler McWilliams

