

00:27:11 Raghvendra Vanjari: Hello  
00:27:21 Raghvendra Vanjari: Glad to see you all  
00:27:30 Myrah Group B: hi  
00:27:56 Jasmine R: Hi Brian!!!  
00:28:03 Emma Cavill: Hi everyone!  
00:28:12 Yvea: Yay!!! Hi Brian and everyone!  
00:28:25 Panaena and Alex: Thank you! We are loving it so far.  
00:28:39 Martina: Hi from Northern Germany!  
00:28:39 Karen Houlding: Thank you for all your hard work & organizing!  
00:28:40 Natalie: Hey y'all so excited to be here :D. Thank y'all for putting this on!  
00:28:45 Ayoka Kaiser: Bethan and Jules have worked SOOO hard - please donate if you can!!  
00:29:00 Brian Higginbotham (INJW-Tech support): Hello everyone! Let us know where you're joining us from. Any tech questions can go to me. Any questions for Liz can be sent to Jules or posted in the general chat.  
00:29:40 pat kuenning: here from Claremont, Calif.  
00:29:45 Karen Houlding: Hi from Sammamish, WA (Seattle eastside!)  
00:29:54 Julene's iPad: Joining in from Oregon!  
00:29:56 Trudy Harrold: Hi from Lamont, Alberta!  
00:29:58 Lucia Ruane: hi from Kilkenny Ireland, thanks for this session  
00:29:59 jean ottosen: here from Nova Scotia, Canada.  
00:30:03 Sally: Hello from Dorset in the UK!  
00:30:04 Cindy Beaver: Hi from Boulder, Colorado  
00:30:05 Stephanie: Hi from Sacramento, CA  
00:30:07 Amy Shamansky: Luanco, Spain!  
00:30:10 Della Bossart: Joining in from foggy Monterey Peninsula.  
00:30:14 Rebecca Rolnick: Hello from Syracuse, NY! (Haudenosaunee Onondaga Nation land)  
00:30:14 Ayoka Kaiser: Hi from Germany! So lovely to be here with you all and learn together!  
00:30:18 Cindy HW: Howdy from Texas! 🤘  
00:30:20 Panaena and Alex: Hi from rainy Southern Indiana  
00:30:24 Jennifer Schneller: Hello from Central Ohio  
00:30:28 Sue Nickoley's iPhone: Hi everyone from Webster NY  
00:30:30 Syona | SGB Mediator: Hello from Bangalore, India : )  
00:30:43 Karin: Hello and sunshine from south-Germany  
00:30:47 Hank Dahlstrom: Hi, I'm Hank from Falls Church, Virginia, Thanks to all you volunteers!  
00:30:48 Dr Sneha ( She/Her) Rooh: from Bangalore, India Too :)  
00:30:50 Timothy Joe: Hey Liz!!!  
00:30:52 Valerie Kellum: Good Morning from Bishop, California...the Eastern Side of the Sierra  
00:30:56 Natalie: Hello from Binghamton, NY  
00:31:05 Carol Greenstreet: Hi from Pacific Grove, CA  
00:31:12 Suzanne Marshall: Hi from Ashland, Oregon  
00:31:37 Nithya: Hello all :) from Bangalore, India

00:31:54 Debi: Hello Everyone from Escondido, CA  
00:32:12 Sugata: London uk  
00:32:18 Jan Schwartz: Tucson, AZ  
00:32:19 Donna Acord: Hi! Portland, OR here.  
00:32:27 Paula: Hello from central Virginia, USA.  
00:32:40 Ayoka Kaiser: Adorable!!!  
00:32:58 Myrah Tanul: hi I am Myrah I am from Mumbai India  
00:33:05 Leilah Sherback: Leilah from whistler, BC Canada  
00:33:15 Sonja Bochart, Phoenix, AZ.: hello all from Phoenix AZ!  
00:33:17 Rebecca Rolnick: Hello my friends Yvea, Raybonto, Amy S, and Jasmine!  
00:33:33 Amy Shamansky: Hi!!  
00:33:33 Emma Cavill: I'm from Somerset, in England 😊  
00:33:36 Jasmine R: Hi Rebecca <3  
00:34:18 Christian Bergman: Norrköping, Sweden  
00:35:03 D. Finley: What size is journal?  
00:35:04 Jasmine R: Hey Christian!!  
00:35:04 Elizabeth Moore: Hello and thank you for doing this.  
00:35:08 John Muir Laws: It is great to watch your first lines!  
00:35:12 Martina: Is there a link for the photo reference somewhere?  
00:35:18 Heather's GoPad Pro: Do you also work on watercolor paper with gouache?  
00:35:26 Sylvie Laurence: Bonjour de Montréal, Québec, Canada  
00:35:37 Bushra Rehman: Hello from Pakistan  
00:36:29 Christiane Weismüller: Hello from Germany!  
00:36:40 Liz Clayton Fuller (she/her): <https://pixabay.com/photos/wren-carolina-wren-bird-nature-3619826/>  
00:36:50 Martina: Thanks!  
00:37:54 Jasmine R: Good morning Yvea <3  
00:38:04 rhodaschaffer: Please type in type of watercolor paper. Thanks.  
00:38:34 Christiane Weismüller: Hi Rebecca, nice to meet you here :)  
00:38:41 Rebecca Rolnick: Hi Christiane  
00:38:43 Rebecca Rolnick: ! :D  
00:38:53 Jules INJW: I think Aquarello, I'll double check in a minute  
00:39:07 Brian Higginbotham (INJW-Tech support): Liz was using hot press Fabriano Artistico paper. Aquarello, as Jules said.  
00:39:24 rhodaschaffer: thanks  
00:39:53 Trudy Harrold: How did you decide on scientific illustration as a career?  
00:39:59 Jennifer Schneller: name of sketchbook she is working from?  
00:40:24 Karin von May | Tucson | Natural Science Illustrator: Stillman + Bern toned paper  
00:40:40 Jules INJW: Thank you  
00:41:07 raybonto: im really interested about your career id be happy if you speak about it  
00:41:10 Natasha: How did you become a scientific illustrator?  
00:41:30 Natasha: What are your bird anatomy resources?  
00:41:51 Mary Zehner: Good references for bird anatomy?  
00:42:00 jean ottosen: Do you have a reference for basic bird anatomy? Especially wings?

00:42:44 Donna Acord: Do you always sketch the bird on the same scale as the photo you are using? Re: your measurements with the pencil

00:43:17 Yvea: Good morning Jasmine and Rebecca <3

00:43:45 Donna Acord: How would you suggest learning about bird anatomy? any helpful resources?

00:44:21 Brian Higginbotham (INJW-Tech support): The Laws Guide to Drawing Birds, by John Muir Laws is an excellent resource for anyone looking to draw and paint birds. <https://johnmuirlaws.com/product/the-laws-guide-to-drawing-birds/>

00:44:45 Karin: Yes, that's really great

00:44:45 Nithya: Just curious, Which was the first bird that you first sketched or any illustration that has a special memory? :) Thank you!

00:45:38 Rebecca Rolnick: Yes!! I have that book from my Ornithology class

00:45:39 John Muir Laws: ooh I love the Manual of Ornithology.. great line drawings.

00:45:53 Brian Higginbotham (INJW-Tech support): Manual of Ornithology: <https://yalebooks.yale.edu/book/9780300076196/manual-ornithology>

00:46:25 Jennifer Schneller: Thank you for the links!

00:46:39 jean ottosen: thank you! :)

00:46:40 John Muir Laws: I also love love love Birding Basics by David Sibley. Really good insight into bird structure and anatomy.

00:47:58 John Muir Laws: I love your work Liz!

00:48:13 Paula: I am looking for online classes in scientific illustration. Serious classes, not beginner ones, maybe leading to a degree or certification of some sort.

00:48:26 John Muir Laws: Hey everyone, Draw along with Liz as she works, match her strokes line for line to learn her methods.

00:48:57 Jules INJW: Great to have you here Jack!

00:49:09 Syona | SGB Mediator: What are the other things you like to draw, apart from birds?

00:49:46 Heather KiNCH Studio: Erasers are also drawing tools. I love them for graphite drawings!

00:50:27 Mary Larson: I love that there is a career and a market for scientifically illustrated birds even in this technical digital 21st century — who are the customers/consumers of your analog work?

00:51:31 Heather KiNCH Studio: Do you use digital tools as well like procreate and photoshop?

00:52:52 joanne: what do you use to sketch on black toned paper?

00:56:07 e: did you have an exhibit of your work at cornell ornithology lab ?

00:57:37 Anne: Will the video and chat be available when zoom is over. Wondering if I should be taking notes. Fantastic information

00:58:00 Karin von May | Tucson | Natural Science Illustrator: The GNSI conference is online this year. It is happening later next month and registration is open to both members and non-members.

00:58:26 John Muir Laws: I love the way the line of the head wraps around the ball of the body. That shows me the rounded form

00:58:31 Paula: Thank you, Karin von May!

00:58:34 Myrah Tanul: can we use colour pencils I don't have paints

00:58:37 Jules INJW: The recording will be available on the website.

00:59:01 Karin von May | Tucson | Natural Science Illustrator:  
<https://www.gnsi.org/2021vconf> Registration opens June 7th

00:59:02 Hannis, Sarah D.: Can you paint over the graphite pencil? I always seem to make the pencil quite thick/fuzzy...which shows through in watercolour. I've not used gouache

01:00:24 Hannis, Sarah D.: Thanks so much for all the art supplies tips :) I'm definitely going to look at those teeny stick erasers

01:01:17 Elizabeth Moore: Can you repeat the name of the stick eraser again? Please.

01:01:46 Karin: There are two sizes made by tombow

01:02:02 Karin von May | Tucson | Natural Science Illustrator: Tombow Mono - eraser

01:04:19 Karin von May | Tucson | Natural Science Illustrator: Ha ha love that

01:04:54 e: I think I saw it!

01:05:08 Libby McFarland: I am hearing a Carolina wren right now in Kansas City Missouri area!

01:05:17 e: it's a great organization

01:05:49 Brian Higginbotham (INJW-Tech support): I am going to close the chat now that we are shifting to the painting. As a reminder, send your zoom questions to me and your questions for Liz to Jules.

01:08:36 Liz Clayton Fuller (she/her): [https://www.amazon.com/Watercolor-Palette-24-Well-Airtight-Watercolors/dp/B07DYNHGKY/ref=asc\\_df\\_B07DYNHGKY/?tag=hyprod-20&linkCode=df0&hvadid=241997769560&hvpos=&hvnetw=g&hvrnd=17745504947447329286&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmld=&hvlocint=&hvlocphy=9013190&vtargid=pla-666220218416&psc=1](https://www.amazon.com/Watercolor-Palette-24-Well-Airtight-Watercolors/dp/B07DYNHGKY/ref=asc_df_B07DYNHGKY/?tag=hyprod-20&linkCode=df0&hvadid=241997769560&hvpos=&hvnetw=g&hvrnd=17745504947447329286&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmld=&hvlocint=&hvlocphy=9013190&vtargid=pla-666220218416&psc=1)

01:09:24 Jules INJW: <https://www.amazon.com/Professional-Moisturizing-Watercolor-Palette-Painting/dp/B07FNVGZQP>

01:19:35 Brian Higginbotham (INJW-Tech support): The chat is reopened.

01:19:50 Barbara Golden: awesome, thanks!

01:21:57 joanne: does gouache tend to act more like watercolor than acrylics? sorry new to this medium :)

01:23:47 joanne: yes thanks!

01:23:50 Barbara Golden: very well explained!

01:25:09 Sally: how do you deal with mixing enough of a colour? I find it really difficult to make the same colour again if I run out!

01:25:17 Barbara Golden: Have to go to teach my own online class now ::)) Thank you so much for sharing your knowledge and insights!!!

01:27:52 Sally: Thankyou! As soon as you started answering a Eurasian Wren started singing outside!

01:28:07 Colleen: What brand is your gouache pans you are in the field with?

01:28:10 Heather KiNCH Studio: Do you ever use a hair dryer to dry the paint?

01:29:47 Heather KiNCH Studio: Caran d'ache makes sets of gouache pans.

01:30:03 joanne: I have a pair of bewick's wrens nesting in my backyard :)

01:30:18 Karin von May | Tucson | Natural Science Illustrator:  
[https://www.amazon.com/Winsor-Newton-Cotman-Sketchers-14-Pieces/dp/B00004THXI/ref=asc\\_df\\_B00004THXI/?tag=hyprod-20&linkCode=df0&hvadid=167148482147&hvpos=&hvnetw=g&hvrnd=1574101862479674](https://www.amazon.com/Winsor-Newton-Cotman-Sketchers-14-Pieces/dp/B00004THXI/ref=asc_df_B00004THXI/?tag=hyprod-20&linkCode=df0&hvadid=167148482147&hvpos=&hvnetw=g&hvrnd=1574101862479674)

6391&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmld=&hvllocint=&hvllocphy=9030244&hvtargid=pla-125519798235&psc=1

01:31:01 Karin von May | Tucson | Natural Science Illustrator: I use this cheap lil pocket watercolor palette for on the go.

01:32:30 joanne: it sounds like (unlike watercolor) wet-on-wet isn't a technique for gouache?

01:33:24 Mary Larson: How would you approach this differently (besides just paper) if this was for a scientific illustration (vs. nature journaling sketch)?

01:33:50 raybonto: occaissionally I see wrens in our park in London uk so cute !

01:34:53 Shown Family: Can you mix watercolor and gouche together?

01:35:09 ik: can you mix up the painting with gouache and watercolor? For example, can I watercolor the beak and stick to gouache all over?

01:36:21 John Muir Laws: "It is more like a love letter to the subject..." a different mindset! LCF

01:37:01 Amy Shamansky: I LOVE that mindset!

01:37:57 Kathy Riggs: Nathan Fowkes has a great video on watercolor and gouache on schoolism.com. It's a landscape course butt very informative

01:38:38 Kathy Riggs: but

01:39:25 Karin von May | Tucson | Natural Science Illustrator: HAHAHA I love that! I had my partner leave through the back today to avoid his disturbing our white winged doves' nest in our front yard.

01:47:38 Elizabeth Moore: Once again, can we get the size of the smaller brush. Thank you.

01:48:07 Cyrene Slegona: Copy of wren image available?

01:48:19 Jennifer Schneller: if you are using tube gouache, can it dry on the palate and be reconstituted later?

01:48:47 Karin von May | Tucson | Natural Science Illustrator: I do the same Liz!

01:50:26 Amy Shamansky: Gotta go...thank you for sharing your process, Liz! It was delightful!

01:51:14 Libby McFarland: Thanks so much this has been wonderful.

01:52:42 Margaret Hart: I reluctantly leave this delightful company.

02:04:34 Bea Martin: thank you so much!

02:04:34 jean ottosen: Thanks Liz!

02:04:45 Elizabeth Moore: Thank you for teaching us today.

02:04:56 Jennifer Schneller: Thank you! This is a great gouache intro!

02:05:06 raybonto: can you tell us your email address?

02:05:17 Hannis, Sarah D.: do clients mostly find you through your website, or somewhere else? (word of mouth, social media etc?)

02:06:38 Michelle Clarke: It's been great to watch your lovely wren emerge from the page. Thank you for this session.

02:06:53 ik: Thank you Liz for an up"lift'ing wren

02:07:18 Brian Higginbotham (INJW-Tech support): If you're not aware, Liz has a wonderful class through Cornell, Nature Journaling and Field Sketching. Check it out: <https://academy.allaboutbirds.org/product/nature-journaling-and-field-sketching/>

02:08:01 Myrah Tanul: can I leave? I am kinda sleepy

02:08:20 Myrah Tanul: after sometime

02:10:26 raybonto: what kind of experience do you need to be considered for programmes like that of Cornell?

02:10:48 Bea Martin: YAY for gouache!

02:12:46 D. Finley: Thank you so much—love the pace of this demo!

02:14:40 Heather KiNCH Studio: So a solid portfolio for consideration?

02:15:17 e: was on a tour @cornell lab, think they said the internship program was pretty competitive

02:16:10 Bea Martin: what is the link to the internship she is discussing? thank you

02:16:17 e: many well qualified candidates

02:16:25 Sally: is there a standard size you paint your scientific illustrations- do they have to be bigger to fit in more detail?

02:16:38 raybonto: what is the name of the field guide?

02:17:02 Brian Higginbotham (INJW-Tech support): The internship is distinct from the continuing education courses Cornell also offers. There are many options depending on your interest.

02:17:38 Bea Martin: thank you for the answer!

02:18:43 Hannis, Sarah D.: do you get a royalties fee from science book sales like fiction picture books, or is it an up front amount you are paid?

02:18:47 Heather KiNCH Studio: Sorry I missed the name of the field guide?

02:20:22 Hannis, Sarah D.: thank you so much for answering all the questions!

02:20:36 Jennifer Schneller: do you ever turn the page to get a specific angle in a drawing or painting?

02:20:40 Zeffie: Proper floof angle.... new terminology! Thank you so much for the wonderful workshop.

02:20:55 Sally: thankyou, I've never seen a magnifying glass like that before!

02:21:39 Anne: Wonderful class, interesting and informative. Many thanks.

02:21:55 Sonja Bochart, Phoenix, AZ.: thank you for a great class!

02:21:57 Hannis, Sarah D.: do you ever paint backgrounds, or just the birds?

02:23:02 Ayoka Kaiser: Is your Cornell class teaching how to use gouache or watercolor or both?

02:23:30 John Muir Laws: "Be kind to yourself and keep going" LCF

02:23:47 Jennifer Schneller: I must go, but thank you all again, Brian, Jules and Liz!!

02:24:15 Jasmine R: I'm not sure if this has been asked earlier so feel free to ignore: what is the brand of brush for the size 1 brush Liz was using for the fine "floofs"?

02:25:05 e: thank you, liz for doing this session-very interesting in all aspects. thanks again to all the organizers and all others involved in INJW!

02:25:29 Colleen: Is the color names of your palette listed on your website?

02:25:48 Ayoka Kaiser: Magic :-)

02:26:26 Sally: thankyou to everyone for the wonderful class :)

02:26:30 Ingrid Hyde: Hi Liz, thank you so much for your time a great session

02:26:34 Ayoka Kaiser: Wow - forest in the eyes... that's amazing detail!!

02:26:39 e: so beautiful and cute!

02:26:42 Kathy Riggs: Thank you for a great class. Good explanations.

02:26:43 John Muir Laws: birdie has a soul!

02:27:07 e: aspire to be able to draw like this

02:27:12 Elizabeth Moore: Awesome job and now I am wanting to use gouache.

02:27:23 Ayoka Kaiser: This has been so lovely - missed part of it as the beginning, will come back and rewatch

02:27:26 ik: to station her somewhere, is there an easy technique?

02:27:31 Josephine Franklin: Gorgeous and a lovely relaxing manner you have!

02:27:33 Heather KiNCH Studio: Thank you Liz!!!!

02:27:33 Ayoka Kaiser: Have you tried Acryagouache as well?

02:27:39 Kathy McCarthy: Thank you so much!

02:27:49 Ayoka Kaiser: Acrylagouache

02:27:55 Nat (she/ they): Thank you liz!

02:28:08 Zeffie: Thank you! what a wonderful class!

02:28:10 ik: Thank you!

02:28:13 Brian Higginbotham (INJW-Tech support):  
<https://www.lizclaytonfuller.com/>

02:28:15 Cindy HW: Great class. Thank you!

02:28:19 Hannis, Sarah D.: Thank you so much, that was the best class ever, never used gouache before, thank you!

02:28:23 Ayoka Kaiser: If you ever do a gouache class, let us know!

02:28:29 joanne: thank you so much Liz! you're a delightful teacher :)

02:28:30 John Muir Laws: Thank you so much, we loved it!

02:28:33 dannie: What a joy filled way to start the day! Thank you!

02:28:36 Rachel:Fantastic workshop, thank you!

02:28:39 raybonto: thank you

02:28:39 Bea Martin: Acryla gouache is acrylic! There are watersoluble gouache, careful about this difference!

02:28:39 Donna Gause: Thank you for all the tips

02:28:40 Natasha: thank you!

02:28:49 Panaena and Alex: Thank you!

02:28:52 Karin von May | Tucson | Natural Science Illustrator: Thank you!

02:28:54 Yvea Moore: Thank you Liz!! :D

02:28:54 Mary Larson: wonderful!

02:28:58 Shown Family: thanks