

17:00:14 From NAAEE Staff : Hi everyone! Welcome to the webinar. All audio lines are muted, please use this chat box to give us your questions and comments. We'll get started in a couple minutes!

17:01:16 From NAAEE Staff : Where is everyone tuning in from tonight? NAAEE is in its Philly office today!

17:01:27 From Brittany Kennedy to All panelists : Cary, North Carolina!

17:01:29 From Dan Gruhlke : I'm from the moderate Minnesota

17:01:35 From Lucy Atkins : Bowdoinham, Maine

17:01:37 From Lia Keller : Anchorage, AK

17:01:38 From Lynn Jobe : Calgary, Alberta, Canada

17:01:42 From Stephanie Dean to All panelists : Washington D.C.

17:01:43 From Jennie Long : Emporia, KS

17:01:44 From Jodi Sikma : Hamilton Michigan

17:01:48 From natasha rathlev : Portland Maine

17:01:50 From Jan Ward to All panelists : I'm in Libertyville, IL

17:01:50 From Elizabeth MacDonald to All panelists : Bolton, CT

17:01:51 From Karen Harrison to All panelists : St. Paul, Minnesota

17:01:52 From victoriazablocki : Midland, Michigan

17:01:56 From Jessica Kiley : Charlottesville, VA

17:01:56 From Hannah Hazewinkel : Alpena, Michigan

17:02:01 From Betty Olivolo to All panelists : I'm in Kittery, ME

17:02:01 From doug givens to All panelists : im in Ohio

17:02:06 From Sim Barrow to All panelists : Fayetteville, Arkansas

17:02:09 From Winnie Smith to All panelists : Winnie Smith from Concord Ma

17:02:09 From Rod Diercks to All panelists : Crete, NE

17:02:12 From Lily Grbavach to All panelists : Bend, Oregon

17:02:12 From Landere Naisbitt : Keene, New Hampshire

17:02:21 From Winnie Smith to All panelists : Jon Byrd from Concord MA

17:02:26 From Amy Butler to All panelists : Hello everyone! Amy Buttler from Vermont

17:03:08 From Andrew Leary : Denver, Colorado

17:03:34 From Allison Martin to All panelists : Belen, New Mexico

17:03:36 From Jenni Mabrier : Northern Wisconsin

17:03:49 From NAAEE Staff : Wow - lots of geographic representation here tonight! Welcome! Let us know what you want to hear about in 2019: <https://www.surveymonkey.com/r/N3M29BP>

17:03:53 From Andrea Kurth to All panelists : Leadville, CO

17:03:58 From Dan Gruhlke to All panelists : Thanks for the link in the Chat.

17:03:59 From Karen Biermann-Miller to All panelists : Yorkville, IL

17:04:07 From Kelly White to All panelists : New Mexico

17:04:26 From Jennifer Thomas to All panelists : Shawnee, Kansas

17:04:30 From Anita Smith to All panelists : central Maine

17:04:37 From Julie Eperjesi : Nashville TN!

17:04:50 From Julia McLeod : Bowdoin, ME

17:05:19 From Jennifer Davies to All panelists : transplanted New Englander in Central Indiana 😊

17:06:17 From Dan Gruhlke : Ah, the "Daddy Dash"

17:07:25 From Dan Gruhlke to All panelists : Was that "Four School" or "Forest School"

17:07:48 From Jacob Jeswiet to All panelists : Kenora, Ontario

17:07:55 From Sarah Doxon : Denver, CO

17:08:12 From Dan Gruhlke : I'm really glad that the speakers are experienced in kindergarten or EC!

17:08:15 From Missy Sherburne : Asheville, NC

17:09:10 From Dan Gruhlke : Yes

17:10:00 From Dan Gruhlke to All panelists : Literally, are you able to later include photos/pictures, so we can "see" some things, too?

17:10:59 From Eliza Minnucci : <http://forestkinder.org/forest-day-blogs/>

17:11:13 From Dan Gruhlke to All panelists : Thanks.

17:11:39 From Dan Gruhlke to All panelists : Was that 3rd highest rating a dramatic change from previous years?

17:13:14 From Jennifer Thomas to All panelists : Do you have these wild spaces near you schools?

17:14:50 From alexis to All panelists : static can't understand speech

17:15:17 From Sarah Sheldon to alexis, All Panelists : still static?

17:15:31 From alexis to All panelists : not at the moment

17:15:34 From Dan Gruhlke to All panelists : Is that review in C&NN or can you link here in the chat?

17:15:35 From alexis to All panelists : thank u

17:15:37 From Sarah Sheldon to alexis, All Panelists : fabulous! thanks

17:16:08 From Elizabeth Harder : Can you share what those research resources were..I didn't have a chance to write down the names!

17:16:24 From Elizabeth MacDonald : Children and Nature Network

17:16:38 From Jenni Mabrier : Eliza, how many stakeholders have taken you up on the offer and come out with you?

17:17:14 From Elizabeth MacDonald : They have a research library. I missed the peer reviewed articles.

17:17:37 From Peter Dargatz : in terms of our rating, it's a relatively new system, but we've had improvements every year. similarly, our outdoor time has increased during that same period

17:17:52 From heather mutch to All panelists : Jaqueline what public school are you at in Ottawa and how can I contact you for more info

17:18:04 From Dan Gruhlke : Thanks, Peter.

17:18:09 From Missy Sherburne : <https://www.childrenandnature.org/research-library/>

17:18:32 From Karen Harrison : Peter, did you respond to a question that was shown only to participants. I would be interested in knowing what the question was.

17:18:37 From Dan Gruhlke : Missy, do you know how to further define the search in C&NN?

17:18:43 From Karen Harrison : panelists, sorry.

17:18:45 From Eliza Minnucci to All panelists : Hi Jenni, Parents and Grandparents have come frequently. Principals as well. Retirees have come with structured programming.

17:19:12 From Marie Robinson : I am very excited that more people are

interested in integrating nature based programming in the public school. I am a PK-12 building principal in northern Maine and am working with teachers to develop a nature based early learning program. I am also working on my PhD focused on nature and learning. This is great for kids!

17:19:20 From Eliza Minnucci : Hi Jenni, Parents and Grandparents have come frequently. Principals as well. Retirees have come with structured programming.

17:19:31 From Renee Gracon to All panelists : Do you have any problem with some students who are more impoverished having adequate clothing? Do you have a big bin of extra gloves, hats, etc. in case anyone isn't prepared?

17:19:42 From heather mutch to All panelists : what do you say/how do you reassure parents or guardians who are nervous about the use of tools in the program (knife, axe)?

17:20:19 From natasha rathlev : Wondering if Eliza, if you have had any push back from parents about ticks

17:21:33 From Allison Martin to All panelists : I see Peter left... maybe baby!

17:21:35 From Dan Gruhlke : For wind chill or even air temp. do you use a site-based thermometer, or do you rely on an online measurement system?

17:21:51 From Dan Gruhlke to All panelists : Do you have a template of your risk assessment?

17:21:58 From Jennifer Davies to All panelists : our district's insurance risk assessor came out and surveyed our new natural play space and was actually really encouraging and helpful. we do look at the National playground standards but have a little wiggle room as it's not a proper playground. a lot has to do with consistent training/protocol for the educators on duty...

17:22:05 From Eliza Minnucci : Site based thermometer. And we have many bins of extra clothing we have acquired to share.

17:22:19 From Peter Dargatz to All panelists : Im still here:)

17:22:40 From Dan Gruhlke : Can you put these contacts in the Chat?

17:22:47 From Sarah Sheldon : anne stires

17:22:49 From Sarah Sheldon : Amy butler

17:22:51 From Karen Harrison : Minnesota Children and Nature Network Committee has been working on a "recreation immunity and discretionary immunity" for nature play spaces.

17:22:53 From Sarah Sheldon : Both in Maine..

17:23:18 From Dan Gruhlke : THanks for that info., Karen.

17:23:39 From Dan Gruhlke to All panelists : Thanks, Sarah, for those two names.

17:24:06 From Andrew Leary : How do nature-based educators balance tactile interaction with the outdoors and concepts around stewardship (aka Leave No Trace)?

17:24:44 From Dan Gruhlke : I

17:24:53 From Amy Butler : Hi everyone! I am listening in tonight and so happy to hear from these passionate educators! Feel free to contact me anytime. <https://northbranchnaturecenter.org/educating-children->

outdoors-eco/

17:25:19 From Sarah Sheldon to Amy Butler, All Panelists : THANK YOU!!

17:25:20 From Dan Gruhlke : Thank you, Amy.

17:25:28 From Mary Franklin : as just mentioned having someone who knows the area is a great benefit. i hear from a lot of our teachers that they're hesitant to move beyond playground and bringing traditional materials outside because they don't feel confident or knowledgeable about the plants and nature. what's the best way to build this confidence or learn more about the wild spaces?

17:25:33 From Heidi : Thanks Amy!

17:25:41 From Eliza Minnucci : HI Andrew, definitely a balance. But, especially with young children I want the children to interact and learn about their effect on the environment. Learning rare plants and habitats is something we do on a case by case basis together in the moment.

17:26:06 From Dan Gruhlke : I

17:26:09 From Dan Gruhlke : I

17:27:13 From natasha rathlev : Andrew, that is a great question. I work for a land trust so there is definitely a balance between a space that is for preserving and also for learning. When I do an education program outdoors, I first go into the classrooms and teach the students about what we do at a land trust and how our job is to protect the land, and by going into that space, they too are protectors of the land

17:27:46 From Dan Gruhlke : Okay, I, I, I--I kept hitting the "enter" key. What I'm trying to spit out is what do you do with an environment that's turf-heavy. We have 80 acres, but it's mainly turf. Tree-wise we have 15 deciduous and 118 conifers. What are we to do?

17:28:09 From Karen Harrison : We use Project Learning Tree's Earth Manners. Students explore appropriate to treat nature and create their own rules.

17:28:18 From Lucy Atkins : In my forest day program, we informally rotate areas we play in so we don't trample everywhere.

17:28:24 From Jennifer Thomas to All panelists : How do you handle poison ivy, oak, etc.? This is part of risk management, but some are more reactive to it then others.

17:29:24 From natasha rathlev : dan, are you able to put in a classroom garden at your school? perhaps a raised bed?

17:29:45 From victoriazablocki : Mary, I work as a naturalist at a nature center and we pair our staff with teachers in the classroom either once a week or once a month to be the leader to model teaching outside with the students and teachers during their class time. We are available via email or phone call for the teachers to help support them when they are on their own.

17:30:28 From Dan Gruhlke : Yes, Natalie, we do have a portion where we have raised beds. Being in central Minnesota, though, and the growing season mostly outside school days, we don't get to experience much with that.

17:31:17 From Anita Smith : I'm a community volunteer. How can we

support teachers who want to take kids outside but have serious behavioral issues and safety is a big concern?

17:31:51 From Marie Robinson : Eliza – do you travel and do PD with other teachers? We have a lot of willing teachers who just need some support with the planning to make the outdoor time intentional that supports vocabulary building, literacy and math development

17:32:00 From natasha rathlev : Second anita's question! And in general, as an informal environmental educator, what can we do to best help teachers to get kids outside

17:32:14 From Dan Gruhlke : This is sounding very Emergent Learning. Am I hearing correctly?

17:32:15 From Andrew Leary : Thanks for the those replies to the balance between play and stewardship. I'm definitely in the camp of young learners (especially first time outdoor explorers) need to touch, feel, investigate, etc. I also believe, as one of the professional staff at the Leave No Trace Center for Outdoor Ethics, that there is a place to grow the energy that kids get for caring/having manners in the outdoors. I don't view play and stewardship on opposite ends of one spectrum. I see play and stewardship on dual spectrums that if done intentionally, can reduce the impacts the the outdoors while MAXIMIZING the learning and exploration in the outdoors

17:32:37 From Kristen (NAAEE) to Sarah Sheldon (Privately) : lots of questions! I can download this whole chat and pull out questions/requests to share w/ the group and they can fill out responses I can share with all registrants afterward?

17:32:39 From Eliza Minnucci to Marie Robinson, All Panelists : HI! I travel a little bit to do PD, get in touch with me at: eliza@forestkinder.org

17:32:42 From Jodi Sikma : Dan, Have you had a chance to look at Project Learning Tree or Project Wild teacher resources?

17:33:07 From Dan Gruhlke : Jodi. Yep, I'm a PLT Facilitator and have PW curriculum.

17:33:19 From Amy Butler : Anita,..feel free to contact me to talk about behavior support and designing and growing a program to support SEL and students who experience regular distress. I am working with a school directly on this right now in 3 classrooms

17:33:37 From Dan Gruhlke : Just wondering what tricks and thoughts people have for a turf-heavy locale.

17:33:47 From Marie Robinson : Thanks, Eliza. I will!

17:34:19 From Anita Smith : Thanks Amy. I will!

17:34:20 From Marie Robinson : Our kindergarten teachers have seen a dramatic improvement in challenging behaviors since they have integrated more time outside.

17:34:35 From Heidi : Dan– where in MN are you located?

17:34:36 From Dan Gruhlke to All panelists : Will the Chat be available after this Webinar ends?

17:35:00 From Dan Gruhlke : Heidi--Monticello

17:35:16 From Kristen (NAAEE) to Dan Gruhlke, All Panelists : Hi Dan! Yes, we can make the chat available. You'll receive an email tomorrow evening with a link to the recorded webinar and the chat log

17:35:16 From Karen Harrison : Dan, you could consider adding some nature play items. Look at Garlough Elem., Parkview Elem, or St. David's.

17:35:18 From Amy Butler : Dan,...do you know Juliet Robertson's work? Creative Star Learning. She would be a great resource for you. She is based in Scotland

17:35:46 From Dan Gruhlke : Amy--No, that's new to me. Thank you.

17:35:51 From Jodi Sikma : Dirty Teaching by Juliet Robertson is another great resource.

17:36:04 From alexis to All panelists : what is the book name/Eliza author name?

17:36:23 From Dan Gruhlke : Thanks, Jodi. These are all helping.

17:36:25 From Eliza Minnucci : A Forest Days Handbook – Eliza Minnucci

17:36:26 From Emilian Geczi : You will find a powerful research article on what Peter just mentioned a minute ago -- that students pay better attention and do better in the classroom after spending time outside -- here: <https://www.frontiersin.org/articles/10.3389/fpsyg.2017.02253/full>

17:36:35 From Amy Butler : Yes,...and Messy Maths. She consults with schools throughout Scotland that have only tarmac and chainlinked fences,..she's a treasure trove of ideas

17:36:36 From Ingrid Norris : We are currently writing a grant to teach teachers how to use thier outdoor nature trails. Resource suggestions for this?

17:36:37 From Jodi Sikma : Juliet Robertson is thinking about coming to the US in 2021. She is looking for places to visit.

17:37:02 From Dan Gruhlke : Excellent!!!

17:37:33 From alexis to All panelists : what subjects do current panelist teach?

17:38:35 From Dan Gruhlke to All panelists : Panelists--Still wondering if the Chat will be available to view after the Webinar ends?

17:38:41 From Jodi Sikma : Eliza – This is a great idea.

17:39:11 From Vicky Flessner : Claire Warden of Mindstretchers in Scotland will be back at Fern Top Nature Preschool in Fairview, TN leading her nature pedagogy institute summer 2019. Dates still to be set.

17:39:12 From Dan Gruhlke to All panelists : Panelists--Also, wondering if you have Risk Assessment templates that can be Posted?

17:40:21 From victoriazablocki : Rachel Larimore has a couple of books too, “Establishing a Nature-Based Preschool” and “Preschool Beyond Walls: Blending Early Childhood Education and Nature-Based Learning”, even though focused on preschool are good resources for early childhood in general

17:44:03 From Marie Robinson : Peter – is this a document that you could share?

17:44:27 From Lucy Atkins : Yes, I would love to see the Play Profile you talked about

17:44:43 From Lynn Jobe : Engaging and Educating parents is so important !! Activeforlife.com has lots of free articles that you can

use. Use the search function to find articles on topics (outdoors, forest, ECE, risk) and see our Content Use Guidelines - <https://activeforlife.com/guidelines-for-reprinting-afl-content/>

17:47:29 From Marie Robinson : We are working through this process currently and it started very subtly when I shared a forest kindergarten book with one of our kindergarten teachers. This was last year. We now have transformed our kindergarten schedule and teachers of other grades are incorporated more lessons outdoors.

17:48:45 From Lavinia Schoene : Boston! I taught in Boston for 13 years and took kids out easily: the esplanade, the public garden (there are scads of honey bees and bumblebees on the flowers...etc etc. It doesn't have to be your space.

17:50:49 From Amy Butler : At one school, even here in Vermont, we use a hedgerow and a small dirt mound for a preschool forest day. It is small to the adults, but endless and wild to the children. They love and have adopted this space!

17:50:53 From Dan Gruhlke : Yes, Peter, you're seeing this audience correctly!

17:51:09 From CG Go : Marie, I am a parent to a kindergarten..and not a teacher. Which book did you share with your kindergarten teachers?

17:51:57 From Lavinia Schoene : One year I collected cockroaches in the lab of a friend and the kids made mazes for them and we did cockroach races outside. It didn't matter that they were not charismatic creatures (at first). They were alive and responding.

17:53:21 From Jim McCullough to All panelists : yes, Amy! mounds are great. I take kids to an area near a local library that is just a series of four mounds and a patch of thorny bracken. 😂 it is the best.

17:53:36 From Dan Gruhlke : Ah, Lavinia, a "Cockroach Coliseum"

17:54:20 From Marie Robinson : I shared the Forest Kindertent: The Cedar Song Way by Erin Kenny. I have since learned that there are better resources, but it certainly got things started for us.

17:55:12 From Heidi : Dan- we have 2 groups here in MN that are great resources for you [https://www.facebook.com/](https://www.facebook.com/MNEarlyChildhoodOutdoorLearningNetwork/)

[MNEarlyChildhoodOutdoorLearningNetwork/](https://www.facebook.com/MNEarlyChildhoodOutdoorLearningNetwork/) and [mncnc.org](https://www.mncnc.org)

17:55:15 From Marie Robinson : Peter - if you ever move to Maine apply to Katahdin Schools :)

17:55:32 From Peter Dargatz to Marie Robinson, All Panelists : will do :)

17:55:58 From Dan Gruhlke : Heidi--Yep, I've attended a few MnECO mtgs.

17:56:31 From Anita Smith : Anyone in central Maine interested in meeting at the China School's Forest to start an informal Professional Learning Community? I can be messaged at our facebook page. <https://www.facebook.com/chinaschoolsforest/>

17:56:34 From Marie Robinson : I am inspired to continue the hard work of leading change in the public school setting listening to all of you passionate educators! Thank you for all you do to be champions for kids!

17:57:15 From Lynn Jobe : I would love to connect with Jacqueline in

Ottawa - please email me at Lynn@activeforlife.com. Thanks!

17:57:34 From Jessica Kiley : Thanks everyone! Really helpful!

17:57:43 From Elizabeth MacDonald : This was so fantastic. Thank you all so much for your time and devotion to connecting children to the outdoors. So grateful!

17:57:44 From Lia Keller : This was fantastic!

17:57:47 From Amy Butler : come visit Eliza and I in Vermont! We have many teachers who would love to have you join them in the forest!

17:57:55 From Jim McCullough to All panelists : thanks

17:57:59 From Dan Gruhlke : Do you hear my clapping hands?

17:58:02 From Karen Biermann-Miller to All panelists : THANK YOU!

17:58:11 From Renee Olafson-Dyck : Thank you, everyone!!

17:58:17 From Peter Dargatz to Jessica Kiley, All Panelists : p_dargatz@yahoo.com with any questions :)

17:58:20 From Kristen (NAAEE) : Help us keep the webinar series going! Please take 5-10 minutes to give us your feedback on today's webinar: <https://www.surveymonkey.com/r/YYWWFSB>

17:58:22 From Jim McCullough to All panelists : Jessica Kiley! hi!

17:58:22 From Dan Gruhlke : Sarah, will it have the Chat included in the recording?

17:58:31 From Jacqueline Whelan to All panelists : Thanks for taking the time to hear our stories!

17:58:34 From Jennifer Davies to All panelists : great discussion! if your ever in Indiana. come visit Avon Outdoor Learning Center (we are on social media too)

17:58:50 From Jacob Jeswiet to All panelists : Thank you for sharing this. Take care and keep getting out there!