

15:06:24 From Amelia Dupuis (KidsGardening) - She/Her : Jamboard:
<https://jamboard.google.com/d/1I81MdNdfEospa-S72M6DDMGfC7qcCKbW6mAxBXvIPEQ/viewer?f=0>

15:07:19 From Alisha Howard (she/her) Deep Rootz Worms : Also a school gardening coordinator in the making!

15:08:18 From Alisa Anania : Alisa Anania Tidewater School in Maryland

15:08:20 From Jennifer Bove : Jen Bove, School Garden in East Hampton CT

15:08:30 From Jena Simms : Jena Simms science teacher. Kansas.

15:08:35 From Vanessa Conley : Vanessa Conley, school gardener at Vogel Alcove in Dallas, TX

15:08:38 From John Fisher - Life Lab, Santa Cruz, CA : John Fisher, Santa Cruz, CA Life Lab

15:08:39 From Marisa Hrbal : Marisa Hrbal School Gardens Northwestern Michigan

15:08:53 From Elena Mosher : Elena Mosher, Farm to School Coordinator at Northwest Education Services in Traverse City, MI

15:08:53 From Madeline Delaney : Hi Everyone! Madeline Delaney, I am the Administrative Coordinator at KidsGardening, located in Vermont

15:08:54 From Alatera McCann (she/her) : Alatera McCann, Community Programs Coordinator with Plains Art Museum in Fargo, ND.

15:08:59 From Carol Walsh : Carol Walsh Corvallis, Oregon just getting involved

15:08:59 From Michelle Bower : Michelle Bower, Alaska: CCS Early Learning

15:09:02 From Angie King : Angie King. California, KY. start up composting at elementary school.

15:09:04 From Alicia Rodriguez : Hi! I'm Alicia Rodriguez and I started a gardening program this year at an elementary school in Stafford County. Composting novice here but excited to start!

15:09:05 From Shirley Nagg : Shirley Nagg, Rochester NY, school gardens a passion, connected to Rochester urban gardening as well

15:09:07 From Kessa McEwen : Kessa McEwen, Education Coordinator at Berkshire Botanical Garden in Western Massachusetts

15:09:13 From Melinda Thomasson : Hi! I am Melinda Thomasson. I am from the Dallas, Texas area and I have no composting experience.

15:09:14 From Noel Nicholas (She/Her) KidsGardening : Hello! Noel Nicholas from the KidsGardening team. I'm in Los Angeles, CA where I also teach in the school garden at 3rd Street Elementary Pre-K through 5th Grade.

15:09:19 From Alicia Rodriguez : Virginia!

15:09:20 From Sarah Pounders : Sarah Pounders, The Woodlands, Texas

15:09:25 From Alisha Howard (she/her) Deep Rootz Worms : Lots of cold places

15:09:34 From Lynne Proskow : LOVE, love , love composting. Lifelong composter, various methods including Bokashi . NJ

15:09:36 From Kathryn from Subpod : I am Kathryn from team Subpod - a below ground vermicompost system that schools use to divert food waste. I am based in Byron Bay in NSW Australia. We love supporting schools to compost and have some great resources to share if anyone is interested in adding compost to their schools garden 😊

15:09:44 From eigh Trembath : Hi! This is Leigh from Clear Lake, Iowa. I volunteer at a public garden and focus on the kids garden. We have a tumblin composter and offer gardening activities in the garden every Friday morning during the summer. We are adding a bin composter for this next year. Love LifeLab materials!

15:10:00 From Elizabeth McSwain : Hello Everyone, I am Elizabeth McSwain I am the Founder of Caramel Connections Foundation, we created the Seeds of Joy Community Garden located in Ontario, California. We currently divert an average of 600 pounds of Food Scraps weekly . We would love to love more about Vermicomposting.

15:10:01 From Alisha Howard (she/her) Deep Rootz Worms : Hello Carol from Corvallis!

15:12:26 From Susan Silverman : Susan Silverman, Tucson Unified School District, School Garden Network. I've been composting for the last 40 years and have lots of experience with Biodynamic composting, vermicomposting, Bokashi composting, and many other methods.

15:12:48 From Alisha Howard (she/her) Deep Rootz Worms : I am a Farm to School Coordinator at Ecotrust in Portland as well.

15:13:44 From Kathryn from Subpod : www.subpod.com

15:13:47 From Kathryn from Subpod :
https://cdn.shopify.com/s/files/1/0184/7630/2400/files/Compost_Guide_For_Educators_by_Subpod_and_KidsGardening.pdf?v=1628038438

15:14:45 From Kathryn from Subpod : <https://subpod.com/>

15:15:39 From John Fisher - Life Lab, Santa Cruz, CA : here is large collection of resources related to school composting. Photos, videos, background info, lessons, district and school level. <https://lifelab.org/composting/>

15:16:08 From John Fisher - Life Lab, Santa Cruz, CA : click around to see what is relevant to you

15:19:14 From Alicia Rodriguez : I love the idea of encouraging our classroom teachers to use worm bins in their rooms to collect snack waste. Any suggestions for types of small bins for this purpose?

15:21:18 From Elizabeth McSwain : We are part of the Community Composting for Green Spaces Initiative we meet every Thursday. We receive scraps from farms and juice it up type restaurants.. We typically breakdown 10 to 15 black totes weekly.

15:21:22 From John Fisher - Life Lab, Santa Cruz, CA : <https://lifelab.org/2011/09/worms/>

15:22:37 From Alisha Howard (she/her) Deep Rootz Worms : Precomposting!!!

15:22:49 From John Fisher - Life Lab, Santa Cruz, CA : <https://lifelab.org/2017/08/garden-stations/#Compost>

15:23:49 From Susan Silverman : We have learned that worms do not like alliums (onions, garlic, etc.), citrus, oil, or large amounts of cooked food. We segregate our compost for the worms.

15:24:07 From Alisha Howard (she/her) Deep Rootz Worms : See if there are hauling services/businesses in your city

15:25:00 From Alisha Howard (she/her) Deep Rootz Worms : Also, you can start the decomposition process by storing scraps in the deep freezer!

15:26:58 From Vanessa Conley : Does anyone use animal manure in their hot piles?

15:27:02 From Kathryn from Subpod : Worms are fine with onions, etc in a Subpod as they can go out into the soil if anything gets too strong and come back when the microbes have started to break it down - and adding carbon (brown dry matter) always keeps things happy 😊

15:27:29 From Alisha Howard (she/her) Deep Rootz Worms : ^^^

15:27:41 From John Fisher - Life Lab, Santa Cruz, CA : <https://lifelab.org/composting/>

15:29:49 From Shirley Nagg (she/her) : See the whole range of Life Lab's signage - EXCELLENT!

15:30:28 From Alisha Howard (she/her) Deep Rootz Worms : Yes to animal manure

15:30:36 From Alisha Howard (she/her) Deep Rootz Worms : I use rabbit manure

15:30:40 From Lynne Proskow : Do soldier flies in compost impact the worm populations in compost piles? I have had them in my compost pile this year and it helped to break down the pile more quickly, which was great, but I worry about impacting my worms negatively, should I worry? Thank you.

15:32:11 From John Fisher - Life Lab, Santa Cruz, CA : If you you use animal manures your pile will heat up better - it is a good Green source. Use herbivores not ominvores. Wash your hands!

15:32:35 From Angie King : chicken is hot, correct?

15:32:44 From Vanessa Conley : Thanks! There is a historic park across from our school that has donkeys and sheep that they are willing to share manure

15:32:47 From Kathryn from Subpod : Cow manure is great as it has a good population of microbes which the worms love!

15:32:49 From Michelle Bower : Is there a resource to check what is hot or cold to use in compost piles? I really like the diagram on layers, it helps to visualize this. :)

15:32:59 From Alicia Rodriguez : What about paper in the recycling bin at school for brown material...are printer inks ok? Or just plain paper?

15:34:10 From Shirley Nagg (she/her) : Be careful with animal manure - if the animals have been treated with chemicals, medicines, this can be present in the waste and therefore go into the produced compost and be taken up by the plants.

15:34:29 From Kathryn from Subpod : Paper is a great carbon source - some black ink is fine - the glossy colour paper not so great - if you can use unbleached paper its best - again a mix of carbon sources is best

15:36:56 From Susan Silverman : All paper materials will compost well as long as they are sufficiently wet. In my experience, shredded cardboard works best. Watch out for animal compost that has been treated with de-worming meds, otherwise worms love

hot compost in combination with layers of other materials. I encourage everyone to incorporate recycling with their composting efforts. Don't pay for fancy hay if you don't have to.

15:39:38 From Shirley Nagg (she/her) : ALL CHEMICALS used to treat animals will pass through into their waste!

15:42:00 From Susan Silverman : Earthworms are amazing digesters and can even be used to safely compost humanure!
<https://www.redwormcomposting.com/worm-composting/human-waste-vermicomposting/>

15:42:16 From John Fisher - Life Lab, Santa Cruz, CA : @michelle fresher/greener materials and manures that are mixed with the browns and mixed with enough moisture "wet as wrung out sponge" them piled close to 3x3x3 feet should heat up to about 140 degrees, Use a compost thermometer to measure temperatures. (16 inch + length)

15:45:26 From Vanessa Conley : Susan, do you have a time efficient way to shred cardboard?

15:46:11 From Kathryn from Subpod : Free range worms! Thats why we designed Subpod

15:46:30 From Emily Ciffone : Can a worm bin stay out through a New England winter?

15:46:47 From Elena Mosher : if you have indoor worm bins at a school, what do you do with them during the summer?

15:46:52 From Shirley Nagg (she/her) : Commercially provided meats may come from animals treated with growth hormones not usually made a big deal about by the providers - BUT the hormones will go into the compost and then into crops.

15:47:03 From Elizabeth Etienne : what was that recommendation?

15:48:29 From Elizabeth Etienne : Pods?

15:49:43 From Amelia Dupuis (KidsGardening) - She/Her : SubPod! Kathryn has some links to this earlier in the chat

15:50:02 From Susan Silverman : I use a thick layer of cardboard for the top layers of an in-ground worm bin. The cardboard gets wet on a regular basis. Wet cardboard is much easier and quicker to shred, especially once the microorganisms start breaking it down. Students of all ages are great shredders.

15:50:31 From Alisa Anania : We were able to get our SubPod through a local garden club grant.

15:50:37 From Vanessa Conley : Thanks Susan!

15:53:33 From Jennifer Bove : We hold a cooking club using produce from the garden and use the proceeds to fund the garden

15:53:33 From John Fisher - Life Lab, Santa Cruz, CA : over the summer we either send the worm bin home with someone if you can move it or have families sign up to feed and water if needed. In hot areas make sure to keep bins in shade. use lots of mulch (bedding)

15:53:36 From Alisha Howard (she/her) Deep Rootz Worms : School worm fundraisers are a thing

15:54:06 From Alisha Howard (she/her) Deep Rootz Worms : Donation based around Earth Day most of the time

15:54:26 From John Fisher - Life Lab, Santa Cruz, CA : our local municipal waste division gives grants for composting to divert materials from the landfill

15:54:57 From Alisha Howard (she/her) Deep Rootz Worms : ^^

15:55:05 From Alatera McCann (she/her) : Thank you all so much! Excited to bring this information to ND.

15:55:18 From John Fisher - Life Lab, Santa Cruz, CA : worms want to be 50 to 80 so heavy freeze areas need to be insulated (strawbales) or brought indoors

15:57:40 From John Fisher - Life Lab, Santa Cruz, CA : 50 to 80 degrees

15:57:53 From Vanessa Conley : Local breweries are a good source of spent grain

15:58:07 From Alisha Howard (she/her) Deep Rootz Worms : ^^

15:58:59 From John Fisher - Life Lab, Santa Cruz, CA : we do a compost bag lesson - kids mix organic and non-organic materials in a big zip lock and watch what happens.

15:59:42 From Shirley Nagg (she/her) : Thank you all - got to go!

15:59:49 From Susan Silverman : I have been making mini-worm bins with small recycled plastic containers (that don't have too many holes). This can be done at the classroom level. Same concept as the plastic bag composters.

16:00:04 From Amelia Dupuis (KidsGardening) - She/Her : Please take a minute to fill out our feedback survey for this chat: https://docs.google.com/forms/d/1GPp7d5c5CslEbXKioqMi65Ny9c5ck7FBN_OKohd9W-4/edit

16:01:02 From John Fisher - Life Lab, Santa Cruz, CA : this page has bio reactor lessons on it <https://lifelab.org/2014/02/composting-curriculum/>

16:01:22 From Amelia Dupuis (KidsGardening) - She/Her : Possibly the wrong link for the survey! Use this one: https://docs.google.com/forms/d/e/1FAIpQLSf3F4YfOyKRJFiyplh7aq_s9GaCazP6ialsHc4qb_xapXVruA/viewform?usp=sf_link

16:01:50 From Kathryn from Subpod : Thanks everyone for being curious and dedicated to diverting food waste and inspiring the world to do good things for this planet through composting!

16:02:18 From Alisha Howard (she/her) Deep Rootz Worms : Alisha Howard - deep.rootz.worms@gmail.com

16:02:23 From eigh Trembath : Thanks to everyone! This has been a wonderful conversation!

16:02:24 From Jena Simms : Thanks everyone. Keep nurturing nature my friends!

16:02:33 From Alisa Anania : Thanks to all! Great topic! Lots of good info!

16:02:34 From Mary Maloney : thank you for all the info.

16:02:37 From John Fisher - Life Lab, Santa Cruz, CA : www.lifelab.org/composting

16:02:39 From Sarah Pounders : <https://compost.css.cornell.edu/schools.html>

16:02:46 From Lynne Proskow : thanks so much for all this great information.

16:02:55 From Elizabeth McSwain : Wonderful presentation. Thank you

16:02:55 From Susan Silverman : susan.silverman@tusd1.org

16:03:08 From Alisha Howard (she/her) Deep Rootz Worms : Great book - Worms Eat My Garbage

16:03:12 From Jena Simms : 👍

16:03:22 From Elena Mosher : 👍

16:03:25

From Havilah Mills : 👍

16:03:36

From Vanessa Conley : 👍