

00:26:26 Lisa Vosbeek - MISF: <https://native-land.ca/>

00:26:47 brent.rehfuss: Brent (he/him) not minnesotan

00:27:07 Jennifer Klaers: Good morning! My name is Jennifer (she/her) from Dakota.

00:27:36 jsmisek:Julie Smisek (she/her) Wahpekute

00:30:05 Lisa Vosbeek - MISF: <https://www.sli.do/>

00:31:18 Marie Fargo (she/her): 148 653

00:31:24 janeyoung: 148653

00:32:01 janeyoung: Green Careers - environmental engineers

00:32:17 janeyoung: environmental geologists

00:50:24 Lisa Vosbeek - MISF: What are 2 climate solutions that reduce emissions specifically in cities? Think of small and large solutions.

00:50:43 jsmisek:Can hear but not see

00:50:47 Colleen (she/her): I can not see the video

00:52:55 Lisa Vosbeek - MISF: What are 2 climate solutions that reduce emissions specifically in cities? Think of small and large solutions.

00:53:40 jsmisek:Public transportation/bikes vs. individual cars

00:53:54 Lisa Vosbeek - MISF: Bike routes being added to city streets

00:54:11 Lisa Vosbeek - MISF: Ride sharing programs

00:54:29 Jennifer Klaers: Restaurants using compostable take out containers.

00:54:43 jsmisek:Green roofs

00:55:06 Colleen (she/her): Encouraging large delivery companies to either come up with more ecofriendly packaging or be taxed for non recyclable materials

00:55:07 Jennifer Klaers: Public Education (not sure how) on how to help Climate Change

00:58:23 dusty He/His/to learn: Work with others

00:58:56 dusty He/His/to learn: Feet on ground

01:02:10 Marie Fargo (she/her): <https://drawdown.org/solutions>

01:03:12 Marie Fargo (she/her): <https://drawdown.org/solutions>

01:08:08 Jennifer Klaers: Efficient Aviation:

01:08:37 jsmisek:Geothermal Power-geologists, mechanics (drilling), hydrologists, chemists, engineers, ecologists, etc.

01:08:41 Colleen (she/her): Efficient Trucks. Fuel-efficiency is critical to reduce road-freight emissions. Existing fleets can be retrofitted, while new trucks can be built to be more efficient or fully electric.

01:09:07 Colleen (she/her): Engineering, mechanics, civil engineers

01:09:07 Jennifer Klaers: Careers are in Mechanical Engineering including material engineering, product and design engineering, Quality control, management positions: related to Aviation Efficiency.

01:09:08 brent.rehfuss: Alternative refrigerants - must get better!!

01:09:44 janeyoung: What a great website! I only had time to explore it and see what a wonderful resource it is!!!!

01:10:19 brent.rehfuss: In a previous life I worked at 3M reformulating asthma inhaler gases

01:12:00 Marie Fargo (she/her): <https://climatefriendlycars.climatecentral.org/>

01:12:37 Marie Fargo (she/her): -Select "Where do you live?"

01:12:54 Marie Fargo (she/her): -Choose a state other than MN

01:13:10 Marie Fargo (she/her): -Share the state you chose, the most climate-friendly car suggested, and its fuel source in the chat

01:13:19 jsmisek:Oregon, Mitsubishi-MiEV, all electric

01:13:52 Lisa Vosbeek - MISF: State of Texas - BMW i3 BEV

01:13:57 Colleen (she/her): Arizona, BMW i3 BEV 60 ah, all electric

01:14:04 Jennifer Klaers: Alaska: 4/5 leaves all electric

01:14:35 brent.rehfuss: I got 6 choices Minnesota the BMW also but the Prius too

01:15:12 Jennifer Klaers: Conventional Hybrid: WI

01:18:39 Marie Fargo (she/her): <https://climatefriendlycars.climatecentral.org/>

01:19:15 jsmisek:Oregon-hydroelectric

01:20:47 Colleen (she/her): AZ - Coal

01:21:50 Marie Fargo (she/her): <https://sunroof.withgoogle.com/>

01:23:19 jsmisek:"Sorry, Project Sunroof hasn't reached that address yet" is the message I'm getting.

01:23:33 Marie Fargo (she/her): <https://sunroof.withgoogle.com>

01:23:57 jsmisek:The site works, but doesn't bring up my address as findable.

01:25:34 Marie Fargo (she/her): -Share in chat: Is solar a viable option for your school? How could you use this activity with your students?

01:25:38 Colleen (she/her): My school will be moving to a new building next year and this would be a great way to incorporate green planning & student engagement into the new building

01:26:28 jsmisek:Can't get anything for my town, but can see other cities.

01:26:38 jsmisek:I guess we don't have enough sun. LOL!

01:27:12 Lisa Vosbeek - MISF: Net savings for my roof is \$4000

01:27:52 Lisa Vosbeek - MISF: 1,208 hours of usable sunlight per year

Based on day-to-day analysis of weather patterns

1,092 sq feet available for solar panels

Based on 3D modeling of your roof and nearby trees

01:28:51 Lisa Vosbeek - MISF: 1. What did you learn today that you most want to share with others?

01:29:04 Lisa Vosbeek - MISF: 2. How can you incorporate Green STEM Careers into your classes and lesson plans?

01:29:28 brent.rehfuss: That alternatives are available and we need to start now...

01:29:38 janeyoung: The websites were fabulous! I mostly tuned in to get resources as I work on the environmental unit this year and you gave me many! Thanks!

01:31:22 Lisa Vosbeek - MISF: Excellent resources!

01:31:41 Jennifer Klaers: I want to share that there is hope. One way to do this is to explore the Climate Generation Instructional Supplement. I think using the Skills Spectrum activity is a great way to incorporate STEM careers in the classroom and get the dialogue started!

01:31:54 dusty He/His/to learn: Green careers are a viable and important part of sustaining this world we live in. I will take away and reflect with my students that green careers are here to stay and we need young people to maintain this world we live in...there is only one world we get to live in

01:32:57 Marie Fargo (she/her): Curriculum Resources:<https://www.climategen.org/our-core-programs/climate-change-education/curriculum/>

Host-a-Visit: <https://www.climategen.org/take-action/act-climate-change/host-a-visit/#education>

Teach Climate Network: <https://www.climategen.org/our-core-programs/climate-change-education/teachclimate-network/>

Workshops: <https://www.climategen.org/our-core-programs/climate-change-education/professional-development/>

01:32:59 Lisa Vosbeek - MISF: Green STEM Career resources:
https://docs.google.com/document/d/1XZU8f0yOndLAsOt6_Q4ReZX0qJSrjS47dPdQDR8PoTU/edit#
Climate Generation's Instructional Supplement download: <https://www.climategen.org/our-core->

programs/climate-change-education/curriculum/green-careers-for-a-changing-climate-instructional-supplement-for-grades-6-8/

01:33:20 Marie Fargo (she/her): Curriculum Resources:<https://www.climategen.org/our-core-programs/climate-change-education/curriculum/>

Host-a-Visit: <https://www.climategen.org/take-action/act-climate-change/host-a-visit/#education>

Teach Climate Network: <https://www.climategen.org/our-core-programs/climate-change-education/teachclimate-network/>

Workshops: <https://www.climategen.org/our-core-programs/climate-change-education/professional-development/>

01:34:17 Lisa Vosbeek - MISF: Thank you, Marie! The next session begins at 10:15 am.

01:34:23 Colleen (she/her): thank you

01:34:31 janeyoung: Thanks!!!! This was the best!

01:34:39 Marie Fargo (she/her): Resource document:
https://docs.google.com/document/d/1XZU8f0yOndLAsOt6_Q4ReZX0qJSrjS47dPdQDR8PoTU/edit

01:35:07 jsmisek:Thank you! Great presentation and resources.

01:36:11 dusty He/His/to learn: Great job! very informative

01:37:10 Marie Fargo (she/her): NOAA

01:37:15 Marie Fargo (she/her): EPA, Project Drawdown

01:37:22 jsmisek:NOAA is a great site for other science topics as well.

01:37:54 jsmisek:Thanks again!

01:40:28 Marie Fargo (she/her): Yale Climate Connections

01:40:36 Marie Fargo (she/her): Six Americas