



CHAT TRANSCRIPT
Filling the STEM Pipeline
Chris Rush
August 5th, 2021

00:26:10 Scott Kiessig - ScIC | PocketLab: Welcome everyone! Let's see who is in the chat with us. Tell everyone your job title and which science discipline you teach.

00:26:54 Rinita Hasa: Hello everyone from Albania 🇦🇱

00:27:03 Bailey Brewster: High School Spect ed science teacher Boston, MA

00:27:12 Melanie Kutschke: Middle School Science (grades 7 and 8) Haverhill Ma, US

00:27:19 Souleymane Faye: hello everyone.

00:27:25 Michael Bilica: High School Physics and Chemistry, Sutton, MA

00:27:29 Fiona Tunmer: Yukon, Canada

00:27:36 Souleymane Faye: souleymane faye, from Senegal

00:27:48 Diane Hinck: Hello - Illinois

00:27:50 Karen Modica: Hello Everyone! New York

00:27:56 Souleymane Faye: ief gossas

00:28:02 Parul Shah: Hello Everyone Parul from India High school Physics teacher

00:28:05 Souleymane Faye: grade 7, 8, 9

00:28:11 Tatiana Silva: Hello from Colombia

00:28:16 Jan Leslie: Hello from Calgary, Alberta, Canada - Grades 9 Math/Science

00:28:22 Lisa Slack: Hello from Ontario, Canada! Happy Thursday

00:28:29 Sunil Shah: helo everyone

00:28:32 Chad Allan: Hello Everyone! Middle School Science and Robotics



00:28:33 Janet Jordan: Janet stem hello from Fort Wayne Indiana
00:28:36 Martha Moore: HS Science -- Tennessee USA
00:28:36 Dave Bakker - ScIC | PocketLab: Hi Everyone!!
00:28:55 Bibha Paudel: hello
00:29:07 Sonia Kraljevic: Middle School Learning Commons teacher, British Columbia Canada
00:29:09 Sunil Shah: helo everyone . I am from nepal
00:29:18 Brenda Burke: Hello
00:29:18 Juanita Datuin: Hello! I'm Juanita from the Philippines. I teach grade 7 science and grade 11 earth science and biology
00:29:23 Sonia Kraljevic: Good Morning All!
00:29:40 Bibha Paudel: Namaste everyone its me Bibha Paudel from Nepal.
00:29:59 Lisa Slack: I'm a K-5 teacher, but I'm teaching 1/2 next yr.
00:30:01 Sunil Shah: good evening from Nepal to all
00:30:31 Steve Frankel: Hello from Eugene, Oregon USA. High School physics and earth/space science teacher here.
00:30:47 Jen Massey: Licensed K-6 teacher from North Carolina, but no longer teaching full-time in one classroom. I've been subbing for the last several years (3rd-12th), and I LOVE it!
00:31:01 Brenda Burke: Hello...I'm Brenda from Montreal Canada. I work as a Special Education Technician for high school and elementary students.
00:31:06 SULEIMAN LEWA: Greetings from KENYA, MATHEMATICS AND PHYSICS GRADES 9 to 13
00:31:25 Jen Massey: Oops! Thanks for the reminder, @Clifton!
00:31:31 Scott Kiessig - ScIC | PocketLab: Access the entire schedule at <https://f.hubspotusercontent10.net/hubfs/7934461/ScIC6/ScIC6%20Documents/ScIC6%20STEM%20Summit%20Agenda.pdf>
00:31:41 Faisal Fayyaz: Greetings to All,

FAISAL Fayyaz

gymnastfaisal@gmail.com

pakistan

<https://www.facebook.com/faisal.fayyaz.pk>

00:31:53 Marisa Calvo Sedano: Buenos días, Marisa desde Querétaro, México
00:31:54 Dave Bakker - ScIC | PocketLab: Hi Everyone! Welcome :)
00:32:10 Yonten Jamtsho: Greetings from Bhutan...
00:32:29 Jay Pequiras: Hello from Philippines
00:32:36 Scott Kiessig - ScIC | PocketLab: Welcome everyone! Let's see who is in the chat with us. Tell everyone your job title and which science discipline you teach.



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:32:42 Jane Hurley: Love the bobblehead! :D
00:32:47 Kelsey Kiessig - PocketLab: Hi Jen!
00:32:47 Lillian Isabel Macarayo Selarde: Greeting from Los Banos, Laguna, Philippines
00:32:51 Javeria Rana: Hello everyone from Pakistan
00:33:02 Małgorzata Krzeczowska: hello I AM Gosia from Poland
00:33:03 Sunil Shah: greeting from Nepal, grade 6 to 12 grade teacher
00:33:03 Luis Carlos SOLORZANO MENDOZA: HELLO FROM ECUADOR
00:33:08 Jen Massey: Hi Kelsey!!!
00:33:17 Dave Bakker - ScIC | PocketLab: Great to see everyone!
00:33:24 Lisa Slack: Elementary so K-5 science, but gr 1/2 next right now.
00:33:24 Beth Andrews: Hello from Tyrone, GA.
00:33:31 Jane Hurley: Education and Outreach Specialist with the largest water utility in Arkansas, USA (non-formal educator)
00:33:32 Jay Pequiras: Thanks Dave
00:33:38 Radoslava Topalska: Hi from Bulgaria :)
00:33:39 Lisa Senatore: 6th grade science teacher from NJ
00:33:42 Antonio Arredondo: Hello from Houston, Texas!
00:33:44 Desiree Powell: Hello Everyone from Cleveland, Ohio!
00:33:56 Jay Pequiras: Hi from Naga City Philippines
00:34:04 Fidel Gallegos: Hello from Managua, Nicaragua
00:34:06 Lynette Wilson: Hello Science Chair and 8th grade
00:34:11 Janet Castro: Hi from Ecuador
00:34:12 Nadya Rivera: Hello from Guatemala!
00:34:27 Jay Pequiras: 😊😊😊😊
00:34:31 Dave Bakker - ScIC | PocketLab: Wow great international audience! Welcome everyone!
00:34:32 Maria del Mar Diaz: Hi from Costa Rica
00:34:37 Jay Pequiras: Anyone from Italy?
00:34:41 Mary Ford- National Geographic Society: Hello from Washington DC!
00:34:45 Ouahiba Elbarzouzi: hello everyone
00:34:50 Martha Casquette: Hi from Texas
00:34:52 Dave Bakker - ScIC | PocketLab: I'm in San Jose California by the way
00:34:57 Jay Pequiras: Anyone from Toronto Canada?
00:35:00 Michael Lanstrum: Hello from Cleveland, Ohio
00:35:10 Vinita Singh: Columbus, OH
00:35:13 Seelush Chhetri: Hello Everyone
00:35:14 Jay Pequiras: Mabuhay from Philippines



00:35:14 Scott Kiessig - SciC | PocketLab: Let's see who is in the chat with us. Tell everyone your job title and which science discipline you teach.

00:35:15 Lisa Slack: I am Jay.

00:35:24 Zulmy Arrecis Alvarado: I am from Guatemala! Kevin Cordon's country!!!

00:35:28 Aisha Bano: Hi everyone. I am Aisha Bano from UAE. Elementary to Middle School Science Teacher. Dubai Modern Education School. United Arab Emirates

00:35:36 Seelush Chhetri: Hello everyone greetings and Namaste from Nepal 🇳🇵

00:35:42 Violeta Garcia: Native of El Salvador... in Denver Colorado :)

00:35:46 Shari Solomon-Klebba: Howdy from Utah, USA everyone!

00:35:56 Pushpa Raj Acharya: Hi Everyone,

00:35:56 Rafael Emiliano Aguilar Capetillo: Greeting from Mexico!

00:36:00 Noémie Jordi: Hello from Switzerland, I teach math and sciences in grades 7-9

00:36:00 Peter Baker: Hello, Hola, Ni Hao, Guten Tag, BonJour & Hi from Canada!

00:36:03 Martha Casquette: Janet Castro, from what part of Ecuador are you?

00:36:04 Lisa Slack: I hope everyone is doing well.

00:36:09 Jay Pequiras: I am Jay Oliver General Manager and Web Developer of Vrio Shoppe

00:36:14 Beth Hall: Hello from post secondary, GR Mi GVSU, Anchor Up!

00:36:17 Laura Hernández Lerma: Hello from Jalisco, México

00:36:34 Radoslava Topalska: Hi :) My name is Radoslava, I'm from Bulgaria, university teacher in faculty of pedagogy

00:36:34 Gustavo Requena Santos: Saying Hi from Connecticut (USA)

00:36:37 Jane Hurley: DAVE - you are rockin' the bobble head!!

00:36:45 Yusuf Satilmis: Hi. Kyiv/Ukraine

00:36:48 Jay Pequiras: Greetings to you Lisa

00:36:52 Jesse Teachman: Hi from Canada

00:37:00 Pushpa Raj Acharya: Pushpa Raj Acharya, from Nepal

00:37:03 Guilber Mesh: Hello Good Morning from Mother's Nature best kept secret (Belize). I teach Integrated Science and Biology at Bishop Martin High School! Guilber here!

00:37:04 Bumbaru Mariana: Primary teacher, second grade. We love STEM activities.

00:37:09 Alissa Lai: Hi everyone. I'm Alissa, a high school Chemistry teacher from Trinidad and Tobago.

00:37:09 Devalyn Rogers: Good morning All. I am from Houston, Texas



SciC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:37:09 Slavica Bernatović: Hallo from Slavica, Croatia.

00:37:14 Lisa Slack: And to you as well Jay. Happy Thursday.

00:37:25 Jay Pequiras: 🇵🇭

00:37:32 Slavica Bernatović: Good afternoon, from Croatia.

00:37:43 Irma Briceño: Hi, Good morning everyone. MATH teacher from Belize.

00:37:44 Vinita Singh: Namaste to all my Nepali friends. I'm an Indian in US

00:37:45 Kalpna Kumari: Hi from Pakistan

00:37:46 Michelle Steinberg: hello

00:37:47 Scott Kiessig - ScIC | PocketLab: Welcome everyone! Let's see who is in the chat with us. Tell everyone your job title and which science discipline you teach.

00:37:47 Lila Kant Banjara: From Nepal

00:37:49 Ana Carbonini: Hello from Caracas, Venezuela

00:37:52 Jane Hurley: Guilber - Belize is on my bucket list!

00:37:55 Kalpna Kumari: Anyone from Pakistan

00:37:55 Kirsten Mahovlich: Kirsten Mahovlich, Science Content Manager for grades 7-12 at Cleveland Metro Schools. I'm no longer a classroom teacher, but I taught Physical Science, Biology, Chemistry and Forensics

00:37:59 Jay Pequiras: Its Friday here in Philippines

00:38:01 Michelle Steinberg: hello from Michigan

00:38:01 Marilyn Akins: Hello from Lexington, KY

00:38:03 Mrs. S Hunte: Hi everyone, I am from Saint Lucia

00:38:05 Racheal Adeyinka: Hi everyone, I am Racheal from UAE

00:38:08 Alla Kvashchenko: Hallo from Ukraine

00:38:16 Sarah Bourgeois: Hello everyone :) I teach 8th graded science in Corpus Christi, Texas

00:38:16 NICOLE WEIL: Hello from Long Beach, CA

00:38:19 Yolanda Aquino: Good morning! . . . from sunny SoCal! 😊

00:38:23 Andrew Kirk: Greetings from Dothan, AL

00:38:25 Kar Fox: HI from UK

00:38:28 Jay Pequiras: Anyone from Boston?

00:38:30 GLENN REUBEN BARIQUIT: Hello with Love from Philippines.

00:38:30 Avison Dhungana: Hi I am from Nepal

00:38:31 Prof. Dr.-Ing. Ramesh Maskey: Hello and good evening everyone from Nepal

00:38:35 Sheryl Murphy: Hello from Dela...where?

00:38:40 Cheryl Hullihen: Hello from Vineland, NJ

00:38:44 Rachel Houk: Good morning from Northern Wisconsin! Lone science teacher here for grades 7-12 in a tiny rural school. I teach Earth Science, Life



ScIC "Science is Cool" by PocketLab
 Virtual unconferences for cool science teachers
thepocketlab.com/scic

Science, Physical Science, Biology, Chemistry, Physics, Anatomy and Physiology, and Astronomy

- 00:38:45 Sushila Poudel: Hello from Nepal
- 00:38:46 Monika Moorman: Hello from South Florida!
- 00:38:47 Liora Bialer: Good evening from Israel
- 00:38:49 Parshuram Chaudhary: Hello! From Nepal 🇳🇵 🇳🇵 🇳🇵
- 00:38:50 Jay Pequiras: Hello kuya Gleen
- 00:38:52 Vinita Singh: I'm a math teacher for 9-12 grade in a charter school. I'm also STEM coordinator at my school and robotics coach. We have a FIRST robotics team
- 00:38:57 Tshering Dolkar: Good evening from Bhutan. Teacher
- 00:39:04 Seelush Chhetri: 🇳🇵
- 00:39:06 Victor Afigbo: Hello Everyone :) From Moscow, ID
- 00:39:06 David Williamson: Glad to be joining this morning from Frisco, Texas!
- 00:39:11 Marilyn Akins: I teach physics and astronomy at a community college. I am also the area coordinator (similar in many aspects to a department chair).
- 00:39:19 Hendra Agustian: Greetings from sunny Copenhagen, Denmark
- 00:39:20 Ashley Schlegel: Hello! I'm in Northern California. I teach Jr. High Math and Science.
- 00:39:22 Marco Pedulli: Hello from the Wampanoag Nation aka Massachusetts!
- 00:39:23 GLENN REUBEN BARIQUIT: Hi sir Jay, glad to have a fellow kababayan here.
- 00:39:26 Prajwal Panth: Namaste from Nepal
- 00:39:35 Eirini Chatzara: Hey everyone! Greeting from Greece!!
- 00:39:41 Nischal Shrestha: hello everyone from nepal
- 00:39:44 Jay Pequiras: I am Jay Oliver General Manager and Web Developer at Vrio Shoppe
- 00:39:45 Mourad El Karkri: Hello everybody, My name is Mourad, am a teacher of physics and chemistry in a secondary school in Morocco, will be very happy to participate with you in this event, my email : mourad.karkri@gmail.com
- 00:39:55 Margherite Dadiego: Here from Prague, Czech Republic.
- 00:40:00 Nischal Shrestha: namaste
- 00:40:03 Ashfaque Ahmed: Hi Everyone, I am Ashfaque Ahmed from Pakistan.
- 00:40:04 Marc Williams: Greetings from Houston, TX.
- 00:40:09 krishna maharjan: hello everyone this is Krishna from Nepal
- 00:40:12 Maximo Palacios: hello everyone
- 00:40:12 Jane Chukwudebelu: Good evening everyone. Shane from Nigeria



00:40:18 Seelush Chhetri: It's about to start

00:40:19 Aaron Galamgam: Good morning from Manila :)

00:40:21 Scott Kiessig - ScIC | PocketLab: Access the entire schedule at <https://f.hubspotusercontent10.net/hubfs/7934461/ScIC6/ScIC6%20Documents/ScIC6%20STEM%20Summit%20Agenda.pdf>

00:40:30 Dorji Lhamo: hello everyone.. greetings from Bhutan

00:40:32 Marisa Calvo Sedano: Hi, I'm Marisa from Mexico, science teacher , 6th to 8th grade

00:40:34 Edgar Garrido: Hello everyone! Edgar V Garrido from Xavier Ateneo Senior High School, Cagayan de Oro City, Philippines, teaching Calculus

00:40:34 Sylvie Kacmarcik: Hello from Seattle, WA-USA

00:40:35 Jay Pequiras: Hello Dave

00:40:37 Celri Olley: HI everyone, from Limpopo SA!

00:40:38 Sunil Shah: helo sir

00:40:40 Michael Sabandeja: Good morning from Manila Philippines

00:40:43 Jane Chukwudebelu: Good evening everyone. Jane from Nigeria

00:40:49 Peter Baker: Hey Folks, get up to date, STEM fine but it should be STEAM include the A for Arts! And I could go on for hours but I'll shut up!

00:40:52 Mariam Nouri: Hi David! We missed you. It's been a week.

00:40:52 Donna Smith: Hello from Lincoln, CA. So excited to see people from all over the world.

00:40:54 Juan Gallo: Hello from ECUADOR

00:40:57 Kaia Lindberg: hello from California!

00:41:03 Javeria Rana: Yayyyy

00:41:03 Arlette Neira: Greetings from Toluca, México!

00:41:04 Sandra Baiamonte: Good morning from Montreal, Quebec, Canada. Bonjour à tous. Buongiorno a tutti. Buenos diaz a todos y todas.

00:41:06 Valorie Vance-Kraus: Good morning from Aiken SC, USA

00:41:07 ALEXIS LEWIS: GOOD DAY FROM ORLANDO FLORIDA!

00:41:08 Mohinur Abdurahimova: hey! Good night from Uzbekistan 🇺🇿

00:41:08 Milan James: Good morning from Sacramento, California! Middle School Science Teacher.

00:41:11 Ummkulthum AL-EZZ: Hello 🙌

00:41:15 Janice Levitan: Hi Dave. Nice to see you again.

00:41:17 Mezna Alhossin: hello , Everyone

00:41:18 Georgescu Cristina: Hello!

00:41:18 Jorge Avila: Good morning from Guatemala

00:41:19 Noreena Falta: Hey all!!! from the very WET coast of Vancouver Island, BC, Canada



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:41:23 Nicole Green: Hello from PA!

00:41:24 Ummkulthum AL-EZZ: you are welcome

00:41:25 Lianna de Koe: Hello from Nova Scotia, Canada :)

00:41:26 Paul Nugent: Hello from Dublin Ireland

00:41:30 Jay Pequiras: Hello Chris

00:41:30 Wilmar Gálvez: Hello from Puerto Rico!!

00:41:31 Kaia Lindberg: how fun to see you all!!

00:41:32 Wendy Kennedy: Howdy from Texas!!

00:41:34 michael sedlisky: greetings from New Hampshire

00:41:38 Carrie Reardon: Hello, from Louisville, Kentucky.

00:41:39 Radu Zoica: Hello!

00:41:45 Ummkulthum AL-EZZ: I m from libya 🇱🇪👏😊

00:41:46 Jason Lanza: Hello from Belize

00:41:46 Boboeva Nigora: Assalomu aleykum - Good evening from Uzbekistan, Samarkand,

00:41:47 Donna Smith: Hi Milan, glad to see a fellow northern Californian

00:41:54 Mangala Rodrigo: Hello everyone I am from Sri Lanka

00:42:00 Amy Sill: Good afternoon from Connecticut - middle school science teacher!

00:42:03 ANIL KUMAR KODALI: Good morning to all. KODALI ANIL KUMAR, India.

00:42:04 Andrea Parker: Hello from Battle Ground, WA

00:42:05 Nischal Shrestha: is this live only useful for teachers

00:42:06 Marcia Daley: Hello from Toronto, Ontario CANADA

00:42:10 Scott Kiessig - ScIC | PocketLab: Drop your questions for Mr. Rush in the chat for the q&a section coming up! Make sure to tell us what school you are from and where in the world you are.

00:42:15 zarha hammoud: Hello everyone, I am Zahra Hammoud from LEBANON

00:42:23 Phub Dorji: good evening to all from Bhutan

00:42:30 Jay Pequiras: Hello Marcia

00:42:32 Reina Dickerson: Hi from Phoenix!

00:42:32 Seelush Chhetri: Hello everyone greetings and Namaste from Nepal

🚩

00:42:35 Keisha Smith: Hello, Middle School Math teacher here in Montgomery, Alabama

00:42:35 Devalyn Rogers: Thank you from your support!

00:42:38 Rasha Abu Aisha: Hello from Palestine

00:42:40 John Myhre Frederiksen: Greeting from Denmark



ScIC "Science is Cool" by PocketLab
 Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:42:40 Dr.Leetravino Deveaux: Good afternoon. From The Bahamas
00:42:43 Javeria Rana:It's 9 PM in Pakistan
00:42:43 Celri Olley: 18:03 here!
00:42:45 Jay Pequiras:Hello from Philippines
00:42:45 rhonda heatherly: Greetings from Illinois!
00:42:50 Enrique Buzo: Hi, everyone greetings from UNAM Mexico
00:42:52 Tyler Letendre: Hello from Massachusetts- USA
00:42:52 Mary-Anne Good: Yes, 6pm in South Africa!
00:42:58 Christine Hirst Bernhardt: Hello! I teach astronomy and STEM middle, high school and college, but am currently doing a year in DC an Albert Einstein Distinguished Educator Fellow. Usually in Sunny Southern California
00:43:00 MINU JESTIN: Its 8am in UAE
00:43:01 Yeana Kelly-Simmons: Hello from Trinidad & Tobago!
00:43:01 Susan Cabello: Hello Chris
00:43:06 Linda Waldman: Goos morning here in SoCal
00:43:07 Rebecca Paynter: Greetings from Trinidad and Tobago
00:43:10 MINU JESTIN: its 8pm in UAE
00:43:20 Parul Shah: It is 9.30pm in India
00:43:22 Jay Pequiras:Its 12AM in Philippines
00:43:26 Juanita Datuin: It's midnight here in the Philippines! :)
00:43:27 Mehmet Keçeci: Hi from İstanbul/Turkey.
00:43:31 Arjun Dhamala: greetings from Nepal 🇳🇵 🙏
00:43:39 ANIL KUMAR KODALI: 9.30 pm from India. KODALI ANIL KUMAR
00:43:41 Jay Pequiras:Puyatan na to
00:43:42 Scott Kiessig - ScIC | PocketLab: Drop your questions for Mr. Rush in the chat for the q&a section coming up! Make sure to tell us what school you are from and where in the world you are.
00:43:42 Sunil Shah: its 9.49 pm
00:43:43 Anita Bero: Hi from Colorado.
00:43:46 Mary Kollman: Hi from Winston-Salem, NC!
00:43:54 Mary Kollman: 12 pm
00:44:01 Jennifer Piasecki: Hello from Winnipeg (Canada)
00:44:13 Dave Bakker - ScIC | PocketLab: Hi Everyone! Thanks so much for being here
00:44:22 Mary Headrick: Good morning from Huntsville, Alabama :-)
00:44:26 Galyna Petryk: Congratulations to all from Kyiv, Ukraine
00:44:31 KT Moran: Hello all. KT Moran here from Polk State College in Florida.
00:44:37 Mona Alhossin: Hello Everyone, Mouna Alhossin (libya)
00:44:39 Lisa Slack: Thanks Dave for doing this. This is so cool.



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:44:42 Linda Stewart: Hello Linda from Atlanta, Georgia

00:44:44 Dorji Lhamo: Hi Dave Bakker..nice to see you

00:44:49 Lisa Senatore: Do you need to be certified to teach STEM? If so, could you recommend how to go about it? I'm a middle school science teacher from New Jersey.

00:45:01 Sajid Ali: Hi

00:45:02 Davy Van den bergh: Hello from Belgium

00:45:05 LOGANATHAN PALANISAMY: hi everyone, loganathan from india

00:45:21 Sajid Ali: Hi Everybody

00:45:26 Letitia van Rensburg: Hello from South Africa

00:45:33 Fidel Gallegos: Is there a list of the resources shared in the last meeting?

00:45:36 Sajid Ali: Sajid from Pakistan

00:45:40 Dave Bakker - ScIC | PocketLab: For your questions - tell us where you're from!

00:45:41 Scott Kiessig - ScIC | PocketLab: Drop your questions for Mr. Rush in the chat for the q&a section coming up! Make sure to tell us what school you are from and where in the world you are.

00:45:48 Barbara Davis: Hello from Omaha, Nebraska!!!!

00:46:02 Nischal Shrestha: i ma not very good at english

00:46:06 Alan: .Alan Geppert from Boynton Beach Florida.

00:46:07 shonella Morgan: Greetings from Tobago! Glad to be at this second conference.

00:46:10 Ann-Marie Golding-McLeggon: Hi. everyone Ann-Marie Golding-McLeggon -JAMAICA

00:46:11 Mike Bowden: Hello from Prince Albert, Saskatchewan!

00:46:13 ANIL KUMAR KODALI: pocketlab and science bundles will be very very useful while teaching science to students as hands-on-experience.

00:46:17 Lisa Slack: George Syme Community School in Toronto

00:46:17 Clifton Roozeboom - ScIC | PocketLab: You can find the conference agenda here: <https://www.thepocketlab.com/scic6>

00:46:27 Devalyn Rogers: What is your main take away to shift the Gap for demographics?

00:46:48 Lisa Slack: Query, are we being video recorded as well? Dave.

00:46:55 Christine Hirst Bernhardt: I do not see a setting for Q and A. Do we drop questions here?

00:46:55 Sajid Ali: Federal Government School From Pakistan

00:47:00 Brenda Burke: Will this session be available for review?

00:47:04 José Eduardo Alvarado Boj: Hi! from Guatemala, Central America.



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:47:09 Scott Kiessig - SciC | PocketLab: Christine- drop your questions in the chat

00:47:17 Aashutosh Karmacharya: Hello from Nepal 🇳🇵 !!
Really glad to be a part of this!!

00:47:19 Scott Kiessig - SciC | PocketLab: Brenda- Yes all recordings will be sent out next week

00:47:32 William Fee: State Library of PA, Harrisburg, PA in the States

00:47:34 Celri Olley: National Geographic has done quite a lot of this kind of thinking that supports that reimagining of how learning takes place by connecting the Natural and Human worlds - all subjects benefit from that framework and I'd love to see how Maths and Science teachers can bring that Inquiry-based process into their classrooms while breaking down that curricular "wall".

00:47:34 Brenda Burke: Thank you!

00:47:49 Nikki Bisesi: Hillgrove HS in Metro Atlanta

00:48:00 Eugenio Devece: Hello from La Plata Argentina

00:48:13 ANIL KUMAR KODALI: science bundles and pocket lab notebook are useful and will bridge gap that we teachers feel while teaching.

00:48:20 Peter Baker: I am from my mother's womb but currently living in St. Catharines, Ontario, Canada, & I'm a dual citizen!

00:48:40 Lisa Slack: Lol Peter

00:48:41 KT Moran: Is there a download-able version of the agenda please?

00:48:56 Brandi Henderson: Hello from Cincinnati, Ohio USA

00:49:10 Carrie Reardon: Could the increase in math achievement be an effect of using common core? We often get complaints from parents that they can not help their child in math because they don't understand how to do it.

00:49:16 Arjun Dhamala: Greetings to all from Nepal 🇳🇵 🙏

00:49:19 Celri Olley: It's almost like thinking in an entrepreneurial mind-frame when re-thinking learning and making it more individualised - no more 1-size fits all.

00:49:20 Christopher Mick: Hello from Hudson, WI.

00:49:24 Gigi Shanks: Hello from Cosburn MS, TDSB, Toronto, Ontario

00:49:26 Noreena Falta: KT Moran, there is a setting in zoom to auto record...

00:49:31 Molina Walters: Hello from Tempe Arizona

00:49:45 Scott Kiessig - SciC | PocketLab: Access the entire schedule at <https://f.hubspotusercontent10.net/hubfs/7934461/SciC6/SciC6%20Documents/SciC6%20STEM%20Summit%20Agenda.pdf>

00:49:48 Carlos Andres Sanchez Jaramillo: Hello, from Cali, Colombia

00:49:59 Tsheltrim Lhendup: Greetings to all from Bhutan

00:50:00 Tyler Letendre: great points being addressed, love the perspective shifting that is happening in education with how tech can be used!



SciC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:50:03 Vinita Singh: Everyone is so hesitant to do R&D in education as we are teaching students to test only. No one wants to try new things.

00:50:07 FABIÁN GARCÍA SARASTY: Good morning from Cali, Colombia

00:50:13 Scott Kiessig - ScIC | PocketLab: Drop your questions in the chat for the q&a section coming up! Make sure to tell us what school you are from and where in the world you are.

00:50:15 Mourad El Karkri: everyone who let a message it's better to join his email and his speciality , it's not sufficient to say from where

00:50:19 Noreena Falta: Hey from Tahsis BC, Population: More or Less

00:50:22 Clifton Roozeboom - ScIC | PocketLab: Put questions into the chat that you have for each speaker and panel.

00:50:24 Celri Olley: I think teachers are the 'scientists' in the classroom and driving change comes from within - I am so glad there are people involved in the R&D of ED!

00:50:57 Donna Sawyer: Good morning from Connecticut 😊

00:51:01 KT Moran: thank you

00:51:16 Imani Malaika-Mehta: IKR!!! Put your money where your mouth is!

00:51:21 Noreena Falta: YW

00:51:27 Aisha Bano: Schools does not provide any resources for teachers and students for STEM. How can you help us to bring STEM to our classes?

00:51:28 ANIL KUMAR KODALI: Is there any chance of giving science bundles, pocketlab notebook for free so that they can be used by teachers (who cannot afford) for their students

00:51:37 Christine Hirst Bernhardt: Question:

00:51:44 Ingrid Esterhuizen: Good evening from South Africa 😊

00:51:48 Aayush karna: good night from Nepal

00:51:51 Scott Kiessig - ScIC | PocketLab: Access the entire schedule at <https://f.hubspotusercontent10.net/hubfs/7934461/ScIC6/ScIC6%20Documents/ScIC6%20STEM%20Summit%20Agenda.pdf>

00:51:51 Celri Olley: Hey SA!

00:52:01 Donna Smith: Can you say those two new bills again?

00:52:26 SULEIMAN LEWA: following from KENYA

00:52:33 Fidel Gallegos: What are the links for the gaming resources shared last time?

00:52:59 MOHD NIZAR MOHD NAJIB: Hi. Kedah, Malaysia here :)))

00:53:04 Imani Malaika-Mehta: I created a STEM nonprofit to give schools the resources such as SciIC, 3D printers, and electron microscopes that schools cannot afford!



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:53:06 Celri Olley: When I hear DARPA I always think of UFOs...no idea why...:)
;))

00:53:11 Peter Baker: Asante saa!

00:53:18 Peter Baker: sana

00:53:20 Prajwal Panth: at what time this meeting end?

00:53:24 Imani Malaika-Mehta: DARPA studies UFOs

00:53:33 Katrina Minck- Science Teacher Extraordinaire Fremont Unified School District: @Donna - USICA bill and NSF for the Future Act

00:53:35 Celri Olley: Ahhhhhhhh - makes sense now!

00:53:37 Scott Kiessig - SciC | PocketLab: Access the entire schedule at <https://f.hubspotusercontent10.net/hubfs/7934461/SciC6/SciC6%20Documents/SciC6%20STEM%20Summit%20Agenda.pdf>

00:53:39 Carrie Reardon: ALL schools need access to these resources. NOT just the Title 1 Schools. Will resources be distributed to ALL schools?

00:53:47 Tyler Letendre: we can thank DARPA for CAP and many funded programs through the AFA (echoing the good from DARPA, love the possibility for "ARPA" as the speaker just noted)

00:53:47 Marie Joy Literal: watching from the Philippinesw

00:53:49 Slavica Bernatović: Thank you very much.

00:54:00 Seelush Chhetri: Ends at 3 am in Nepal

00:54:18 Kaia Lindberg: SOOOOO exciting! Thank you!!

00:54:22 Celri Olley: I think the first issue - globally - is to make learning accessible and equal for all!

00:54:22 Imani Malaika-Mehta: Yes, I go to ALL schools, but especially Title 1 schools.

00:54:25 Jesse Teachman: How do we access the recording after this ends?

00:54:27 Diane Hickey- National Science Foundation: Hello from the National Science Foundation - Jesus Soriano will be speaking on the DEI panel and I'll be on the 21st Century Skills panel. Both are related to what Chris just mentioned about the NSF.

00:54:29 Gigi Shanks: I would be interested in seeing the thinking of DARPA being used in STEM education to address climate change

00:54:39 Noreena Falta: Thanx!!!

00:54:41 Rohit Acharya: Hello Everyone ! Namaste 🙏

00:54:45 Christine Hirst Bernhardt: Question: I have seen a prevalence of education and curricular companies coming out with materials and teacher proof content, with really broad standards lacking individual teacher input and localized examples. What work is being done to provide localized funding for teachers to develop lessons for their students, based on the needs of their communities? This



would develop the professionalism and prestige of teachers... Christine-Albert Einstein Distinguished Educator Fellow (originally from Santa Clarita, CA)

00:54:46 Scott Kiessig - SciC | PocketLab: The link document from day 1-
https://docs.google.com/document/d/1Ny3ozHssTHGuSDoYJxWNApOt_wuEx5sbCpE1IR9-uHw/edit?fbclid=IwAR1hwNPs7Y8vksYAYFcLApRvhtNPmarwtfVhC2Ylxxu9c0rIDkAaDP3srZc

00:54:52 Celri Olley: Yes! I like DARPA for Env!

00:55:06 Umm Kulthum AL-EZZ: Can all schools get all the resources?

00:55:10 Shaffina Ahamad - Hamid: Hi

00:55:11 Denise Zut: Hello from Canada! So happy to be here :)

00:55:12 Trevor Macduff: How can we help create/sustain an R&D for Education? Do we write our representatives? Join a forum?

00:55:16 Imani Malaika-Mehta: @Gigi - NASA addresses climate change in several STEM initiatives!

00:55:23 Katrina Minck- Science Teacher Extraordinaire Fremont Unified School District: <https://www.congress.gov/bill/117th-congress/senate-bill/1260>

00:55:31 Shaffina Ahamad - Hamid: So pleased to be present at this workshop.

00:55:43 Shaffina Ahamad - Hamid: Thank you!

00:55:44 Tyler Letendre:
<https://www.congress.gov/bill/117th-congress/house-bill/2225>

00:55:46 Raju Sunar: hello everyone

00:55:47 Seelush Chhetri: Thank you so much Chris, for the explanation I am a student from Nepal 🇳🇵, Some students around the world have so much of problems focusing on studies can there be a role played by STEM for helping students focus on studies and concentration ? Some kind of extra classes, activities or more. Thank you

00:55:53 Jacqueline Oña: Hello, I am from Ecuador

00:55:56 KT Moran: Thrilled that we have fellow ROCK HEAD in this position at Dept. of Ed!! :):)

00:56:02 Raju Sunar: Namaskar from Nepal

00:56:30 Seelush Chhetri: Thank you so much Chris, for the explanation I am a student from Nepal 🇳🇵, Some students around the world have so much of problems focusing on studies can there be a role played by STEM for helping students focus on studies and concentration ? Some kind of extra classes, activities or more. Thank you

00:56:45 Devalyn Rogers: Is there Funding to become a National Accredited STEM teacher?

00:57:00 Dagmar Preusker: Hi all, I'm from South Australia

00:57:11 lisandro Padilla Eveline: hi from Honduras



00:57:12 Christine Hirst Bernhardt: Each content area has its' own credentialing process. STEM certification can be obtained to gain specific content, but that does not necessarily qualify you to teach say chemistry or calculus, both STEM

00:57:13 Bumbaru Mariana: It would be great if we can learn STEM activities that help us teach children about climate change and ecological behaviour. In Europe we fight with fires, floods, hail, big storms and desertification.

00:57:15 Ricardo Bravo: Greetings from Miami Florida www.coachteen.com Online educational platform that increases the capacities and develops the talents of young adolescents for their university stage. Ricardo Bravo ceo@coachteen.com

00:57:24 Imani Malaika-Mehta: For some reason, teachers do not have to be certified to teach code.org

00:57:52 Ricardo Bravo: Greetings from Miami Florida www.coachteen.com Online educational platform that increases the capacities and develops the talents of young adolescents for their university stage. Ricardo Bravo ceo@coachteen.com

00:58:02 Shaffina Ahamad - Hamid: I was very fortunate to attend a STEM seminar in Peru in 2019 that introduced me to STEM. I am an early childhood educator.

00:58:04 Celri Olley: I love the idea of a 'pilot' analogy - learning is a journey.

00:58:07 Vinita Singh: I've Leadership Certificate in STEM Education through Endeavor Project sponsored by NASA and I learned a lot through this program

00:58:18 Karen Modica: Thank you Chris!

00:58:24 Donna Smith: Pilot is great analogy!

00:58:28 Parul Shah: Yes the idea of pilot is great to relate

00:58:32 Mario Arosemena: Hello, im from the Republic of Panama and I would like be a Steam teacher.

00:58:32 Imani Malaika-Mehta: I do too, @Vinita!

00:58:36 Umm Kulthum AL-EZZ: Thank you Chris!

00:58:37 Ali Asgher Hussain: Ali Asgher Hussain from Kenya

00:58:47 Jen Massey: YES! I've known certified folks who weren't really qualified, but MANY more folks who were qualified but couldn't get a job because they weren't certified. I would MUCH prefer a QUALIFIED person teaching STEM.

00:58:48 Luis Carlos SOLORZANO MENDOZA: thank you chris

00:59:05 Vinita Singh: Amazing @Imani! I think we should collaborate.

00:59:07 KT Moran: I teach at the Community College level. IN working with our education department (bachelor's level), we find that their programs barely touch on STEM - and so teachers are AFRAID to teach it. We have occasional 'teach the teachers' programs, but these at rare occasions. HOW can we allow for STEM to be a basic component of a teacher's education to assuage that fear?

00:59:11 Tyler Letendre: ***applause!!!



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

00:59:33 Christine Hirst Bernhardt: Finland overhauled their education system in the 70's, and vowed to elevate the profession by making it free to become a teacher, and only accepting the top candidates. They have kept that promise and we all know the result. Has there been any discussion nationally of reframing national accreditation? i.e. making it free of cost

00:59:36 Jen Massey: Great question, @KT!

00:59:36 Slavica Bernatović: pilot --- woman, great

00:59:38 Gigi Shanks: @Imani Minck- yes I have seen these thank you and used some with students

00:59:50 Imani Malaika-Mehta: Yes! @Vinita

00:59:52 Theresa Mcendarfer: It should be STEAM not just STEM

00:59:54 Peter Rothman: I'm not board certified but as a tutor I'm constantly clearing up mistakes and problems students have with school presentation of mathematics. it's not just about board certification

01:00:09 Debby Nelsondr: Hello from Batavia, Illinois! I teach 7th grade at a 3-8 STEM partnership school.

01:00:09 Ashfaque Ahmed: What are benefits of being certified from STEM?

01:00:11 Imani Malaika-Mehta: Ask me why it is NOT STEAM!

01:00:12 Melissa English: Is there a plan to fund materials for STEM in schools? Budgets are extremely low.

01:00:14 Galyna Petryk: Thank you

01:00:14 Scott Kiessig - ScIC | PocketLab: Please make sure to set your chat setting to "everyone" or "panelists and attendees" so everyone can see your comments and questions.

01:00:15 Yeana Kelly-Simmons: Agreed! Systemic change is needed.

01:00:28 Denise Zut: I agree Theresa, STEAM!

01:00:30 Christine Hirst Bernhardt: elementary school teachers generally do not need any math course work and only 1 science course-a "science for elementary teaching" course

01:00:34 Niva Chhonkar: Niva from New Delhi,India

01:00:35 Yeana Kelly-Simmons: Really charged by that response.

01:00:39 Constance Esther Bissah: Constance from Ghana. Hi to everyone

01:00:51 Imani Malaika-Mehta: Not everyone is into art.

01:00:52 Celri Olley: We need to not only re-evaluate how learning happens - we need to re-think assessment overload. Treat teachers like professionals and allow schools to develop programmes of learning that suit their students where they are. We need a global reimagining of how we want the future to take shape and the tis done by looking at how our kids learn and grow.

01:00:59 Nilar paw: Hello everyone.I'm from Myanmar Teacher Ni Lar Paw.



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

01:01:03 Seelush Chhetri: Thank you so much Chris, for the explanation I am a student from Nepal 🇳🇵, Some students around the world have so much of problems focusing on studies can there be a role played by STEM for helping students focus on studies and concentration ? Some kind of extra classes, activities or more. Thank you

01:01:07 Yeana Kelly-Simmons: "Are we setting up our teachers for success?" Excellent.

01:01:09 Imani Malaika-Mehta: #PBL

01:01:18 ALEXIS LEWIS: LOTS of community programs/organizations focused on STEAM and trust me, they all are not "certified" for either, but they are successful!

01:01:21 Celri Olley: #IBL!

01:01:32 Peter Baker: Hooray STEAM!! It was said years ago!

01:01:41 Liora Bialer: what is success in STEM education in your opinion?

01:01:49 Shaffina Ahamad - Hamid: I am Shaffina from Trinidad and Tobago and I am an OAS/ITEN Teacher Fellow and STEM Teacher Leader.

01:01:58 Rohit Paikara: good night every one it's me Rohit Kumar Paikara from Kathmandu Nepal I'm mathematics teacher and also sport teacher

01:01:58 Vinita Singh: PBL and STEM go hand in hand

01:02:11 Celri Olley: Yes - thank you! No more 1-size fits all.

01:02:22 Celri Olley: Have you seen Agora School in Netherlands?

01:02:31 Imani Malaika-Mehta: Our students want learning that is relevant. Sustainability is our core value. We do STEMS NOT STEAM

01:02:32 Peter Baker: STEAM includes all. and as was said Shui Zhang Chuan Goa!

01:02:45 Linda Waldman: @imani So is that nonprofit for you district...what does it do?

01:02:45 Mary Kollman: When I was getting certified to teach elementary education, I had to know up to 8-9th grade mathematics.

01:02:48 Maria Harrington: Thank you for acknowledging "set up for success"! When I was a paid intern I was placed in my own classroom with no books, no curriculum, no other teacher in the subject, and all classes had 42-48 students!! Talk about a bad setup

01:03:15 Peter Baker: A rising tide lifts all boats ...by all of us working together we make the world better!!!

01:03:17 Michael Davis: I have found that the User based - Course Experience in Coursera is very good, compared to what I've seen in more traditional settings.

01:03:20 Theresa Mcendarfer: But ART can simply be the creativity added into the design element. STEM/STEAM is not a 1 person team.



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

01:03:24 Katia Monterrey: I LOVE the dream of having education be organized similarly to healthcare.

01:03:29 Hoda Katicha: How will these two bills affect STEM in the primary level ?

01:03:36 Devalyn Rogers: When sharing knowledge with students, it's best to have all lessons (if possible) reach all modalities. You don't have to wait to see which one works best

01:03:41 Mark DeLoura: Loved the comparison between US Dept of ED budget and AAA game budgets earlier in the talk - that's one of the reasons we did the White House Game Jam back in 2014, to engage that community and potential. We've got to think outside the box to solve our challenges!

01:03:45 Celri Olley: Agora: every child wants to learn - students drive learning and adults become coaches in learning and there are no subjects, no standardised testing and no programme that keeps everyone in the same place. Kids take ownership of learning and drive their own growth while observed and supported by coaches.

01:03:51 Sherry Giarrusso: Sherry Giarrusso Central Texas, Killeen TX

01:03:55 Eileen Resnick: Problem is doctors see one patient at a time and we have 36 kids at a time

01:03:56 Donna Smith: Treatment plan for me regardless of my condition!

01:04:18 Noreena Falta: Question: Are there any specific STEM programs for children with learning difficulties? eg Autism etc...

01:04:18 ANIL KUMAR KODALI: vinitha Singh garu, can you please help how to take part in to have Leadership Certificate in STEM Education through Endeavor Project sponsored by NASA .

01:04:21 Nilar paw: Thank you so much Chris for your experience. and explanation.

01:04:25 Toni Maitland: good morning

01:04:48 KT Moran: Especially in the GEOsciences, FIELD EXPERIENCE is essential. WE are seeing less and less field time/field trips because institutions are increasingly risk-adverse. People will sue and institution simply because a student received a mosquito bite. How can we provide institutions the information they need to understand the need for students to have field experiences?

01:04:50 Imani Malaika-Mehta: Our STEM nonprofit brings STEM to schools: microscopes, NASA, 3D printing, solar PV, stock market simulations, CAD, with a focus on sustainability. That is what our students are interested in!

01:04:52 Martin Osae: Martin Osae, 8th Grade Science Teacher, West Dallas STEM School, Dallas ISD, Dallas TX

01:04:59 Toni Maitland: Toni Maitland here from Jamaica



01:05:27 Donna Smith: You may have something is promising but how do you get other colleagues to consider and adopt?

01:05:29 Desiree Powell: Sustainability...once \$ runs out

01:05:43 Chris Kesler: Chris Kesler from Houston, TX. Hi everyone!

01:05:46 Shaffina Ahamad - Hamid: In Trinidad we do STREAM not j

01:05:47 Mary Kollman: Our public charter school used the funds to set up a STEM lab & hire a coding instructor for our K-12 school.

01:05:47 Michael Allard: Michael Allard, Madison Street Academy, Ocala, Florida, MCPS

01:05:48 Celri Olley: Is there a space where we have an international panel of teachers-leaders working on a global programme to uplift, develop and drive change in education and how we approach it? SO many innovations and changes were implemented during pandemic, but so many were left behind.

01:05:49 Tanka Bahadur Karki: Namaste 🙏 Good evening to all of you from Nepal..

01:05:51 Scott Kiessig - SciC | PocketLab: Hi Chris!

01:05:52 Denise Zut: So true Eileen!!! 30 students is a lot for 1 teacher to individualize every students' education.

01:05:54 Imani Malaika-Mehta: * coding, Science fairs, computer science, botany, chemistry, etc.

01:05:57 Vinita Singh: @Imani where are you located?

01:06:04 Debby Nelsondr: In my experience, when we find a teaching model that data shows works well, it often requires changes to "business as usual" within the school. Too many "out there" changes and admin says, "Oh we can't do that."

01:06:05 Imani Malaika-Mehta: USA

01:06:11 Theresa Mcendarfer: How can you get STEM certified? There are so many Certificates out there that don't mean anything. Why is there no standard?

01:06:11 Donna Smith: @Celri, great question!

01:06:20 Susan Cabello: I have been begging for microscopes for the past 10 years and I am retiring next year and probably will not see a new microscope while I'm there.

01:06:21 Celri Olley: Thanks Donna

01:06:22 Jana: I work in a school that is 97% free and reduced lunch. My number one problem is getting bus money for field trips.

01:06:26 Melissa English: Any chance of focusing on lowering teacher: students ratios to help us focus on individualized instruction?

01:06:27 Seelush Chhetri: Thank you so much Chris, for the explanation I am a student from Nepal 🇳🇵, Some students around the world have so much of problems



SciC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

focusing on studies can there be a role played by STEM for helping students focus on studies and concentration ? Some kind of extra classes, activities or more. Thank you

01:06:37 Umm Kulthum AL-EZZ: Thanks Donna

01:06:47 AnnMarie Moraca: Thank you Chris!

01:07:04 Susan Cabello: Thank you Chris

01:07:07 Margaret Johnson-Brown: Good Morning!! PBL and STEM works!! Teach 7/8th grade science. Many projects are taught by "team" leaders! Whole group instruction, then PBL!! It works !!

01:07:09 Gloria Mejia: Gloria M from Florida

01:07:12 Imani Malaika-Mehta: Mastery is key!

01:07:12 Devalyn Rogers: @Theresa: There is a STEM certification program through STEMscopes. I was looking at it recently and it is Nationally recognized

01:07:22 Umm Kulthum AL-EZZ: Thank you Chris ..

01:07:28 Scott Kiessig - ScIC | PocketLab: At the end of the day we will survey all attendees. In the survey will be a question where you get to vote on which sessions you want to see a 60-90 minute version of in the near future!

01:07:35 AnnMarie Moraca: Ann M from New Jersey

01:07:37 Georgescu Cristina: Do we get a certificate of attendance?

01:07:42 Celri Olley: How we measure student performance MUST change in order to redefine 'success' - how do we do that? How do we drive that shift in thinking?

01:07:56 Denise Zut: Susan Cabello, so sad to hear that you have been begging so many years :(Perseverance award to you!

01:08:01 Debby Nelsondr: Success is effective collaboration and communication.

01:08:07 Desiree Powell: THANK YOU!!!!

01:08:14 Celri Olley: YES!

01:08:18 Imani Malaika-Mehta: @Celri - check out iNACOL/The Aspen Institute

01:08:21 KT Moran: Algebra 1 unlocks the ability to function as a CITIZEN! Shopping, contracts, water usage, mileage on your car, infection rates!!!

01:08:25 Jen Massey: YESSSSSSSSSS! THANK YOU, CHRIS!

01:08:27 Scott Kiessig - ScIC | PocketLab: A professional development certificate will be provided to everyone who attends live!

01:08:37 Celri Olley: Thanks @Imani

01:08:41 Desiree Powell: AMEN!!!!

01:08:45 Katrina Roseos: Thank you!

01:08:56 Chris Kesler: "Get the score and hate the work" So good.



01:08:59 Susan Benedict: YES!!! State testing is about teacher evaluation and children should not be negatively affected by the "score".

01:09:02 Rebecca Paynter: Agree

01:09:02 Sue Bedard: In elementary school it is about problem solving and being the project to the end. I find that many kids will not complete the project/problem if it gets hard. Communication, time, and determination solve this, but classroom teachers do not have this available time. In our TEM Enrichment center we have time and kids learn to problem solve and work to success

01:09:02 Jen Massey: PREACH!

01:09:05 elena Vasilakis: agree!

01:09:13 Mary Kollman: Get rid of standardized testing so we can teach the subject matter throughout the school year.

01:09:25 Donna Smith: Learn how to learn is so paramount!!!!

01:09:25 Celri Olley: Yes - learn how to learn - metacognitive skills!!!!

01:09:26 Debby Nelsondr: YES TO THAT!!

01:09:26 Eileen Resnick: Totally agree with engagement and passion as a way to determine success

01:09:30 Vinita Singh: I am in USA too, Columbus, OH @Imani

01:09:34 Sue Bedard: Standardized testing has killed curiosity

01:09:37 Christine Hirst Bernhardt: yes-learn how to learn. That is such a skill! So many kids with 4.0 GPA are not great learners.

01:09:42 Violeta Garcia: ABSOLUTELY!!!!

01:09:51 Desiree Powell: Learn how to Learn.....taking that one :)

01:09:54 Celri Olley: Be allowed to choose how you learn....

01:09:55 Mangala Rodrigo: Thanks so much Chris for the explanations, in a practical and meaningful way!

01:10:00 Susan Benedict: The goal of educations is EXACTLY that...learning HOW to learn and learning that learning is JOYFUL! You've got it Chris!!

01:10:03 Scott Kiessig - ScIC | PocketLab: Bridget- what do you mean by sign in?

01:10:06 Carey Hancey: And understand the 'why'

01:10:06 Rohit Paikara: please will you elaborate when and how education will be cheap because now days in most of country education is very expensive even in our country Nepal

01:10:10 Umm Kulthum AL-EZZ: Thank you Chris👍👏

01:10:14 Rasha Abu Aisha: I used community of knowledge COK to teach my students biology and science...they learn together to collect info...research..use some applications to do their mission that i gave to them that solve a problem and produce knowledge or design some thing...I teach for life...they learn by doing

01:10:14 Liora Bialer: Thank you very much



ScIC "Science is Cool" by PocketLab
Virtual unconferences for cool science teachers
thepocketlab.com/scic

01:10:17 Imani Malaika-Mehta: Learn how to THINK CRITICALLY!

01:10:20 Vinita Singh: Learning how to learn and STEM are the words our principal uses all the time

01:10:36 Rinita Hasa: Thank you very much for information

01:10:40 Robin Porter: Thank you so much!!! So much great info!

01:10:41 Ashfaque Ahmed: Thanks Chris Rush for your experience about STEM education

01:10:42 Devalyn Rogers: I appreciate Mr. Rush's in-depth knowledge and ability to speak to his information!

01:10:42 Violeta Garcia: Here is a resource that I created a few years back. It's Colorado focused, but the general benchmarks are good for anyone.
<https://www.wfco.org/impact/this-is-what-stem-looks-like>

01:10:49 Kaia Lindberg: It is sooo refreshing to hear you speak!! It gives me so much hope for our education system!!!

01:10:51 Gloria Mejia: Every child should learn about STEM

01:11:00 Shaffina Ahamad - Hamid: Thank you so very much Chris!

01:11:11 Jen Massey: YES! Get the testing/textbook companies out of our systems and LET TEACHERS TEACH!

01:11:13 Devalyn Rogers: Critical Thinking is PARAMOUNT!

01:11:22 Stephanie Brooks: thank you

01:11:22 Scott Kiessig - ScIC | PocketLab: Bridget- zoom logs your attendance

01:11:26 Gloria Mejia: creativity is the key for 21 Century

01:11:41 Ladonna Feldhake: I have had a lot of disagreement with government "officials" who supposedly know what they are talking about, but I am VERY encouraged with Mr Rush! Thank you!!!

01:11:43 Noreena Falta: 🙄

01:11:44 Susan Benedict: @Violeta- thank you for sharing!

01:11:45 Michelle Steinberg: Love Kesler Science

01:11:46 ANIL KUMAR KODALI: there are foldscopes which can be used for students instead of microscopes

01:11:53 Celri Olley: LOVE INTEGRATION!

01:11:53 Boboeva Nigora: Thank you Chris

01:11:54 Elizabeth Stracener: Thanks Chris!

01:12:02 Desiree Powell: Thank you so much Chris!

01:12:04 Devalyn Rogers: Thank you so very much Mr. Chris Rush!

01:12:07 Celri Olley: Working with other subjects - amazing!

01:12:10 Scott Kiessig - ScIC | PocketLab: Learn about our panelists...
<https://www.thepocketlab.com/scic6-summit-integration>

01:12:12 Carey Hancey: Science discourse is SO important



01:12:19 Larry Browning: Thanks Chris = very helpful!
01:12:20 Karen Modica: You rock Chris! Thanks!
01:12:21 Carrie Reardon: Thank you, Mr. Chris.
01:12:24 Molina Walters: THANK YOU
01:12:25 Celri Olley: Thanks Chris!
01:12:26 Vinita Singh: STEM integration across curriculum is what I'm working on at my school
01:12:28 Carey Hancey: THANKS CHRIS!!!
01:12:28 Kelsey Kiessig - PocketLab: Thank you, Chris!!
01:12:29 Eileen Resnick: thank you Chris!
01:12:30 Scott Kiessig - ScIC | PocketLab: Drop your questions in the chat for the q&a section coming up! Make sure to tell us what school you are from and where in the world you are.
01:12:35 Donna Smith: Chris, thank you so much!
01:12:35 Princess Puli: Thank you!
01:12:38 Keshab Paudel: Thank you
01:12:38 Chris Kesler: Great to hear your thoughts, Chris.
01:12:41 Taru Popat: Thank you all
01:12:41 Katrina Roseos: Thank you Chris!
01:12:42 Ann-Marie Golding-McLeggon: Thanks Chris
01:12:47 Cheryl Caine: Thank you, Chris!
01:13:03 MARIA VICENTY: Thank you Chris!

