Welcome to tonight's chat! Introduce yourself, let us know where you're from and if your school is open, closed, or providing distance learning. Tag tweets #STEMTLdiscuss and your grade level/subject (ex #HighSchoolScience)

Welcome!
Thank you for joining tonight's chat.

Please tell us who you are, where you're from, and if your school (elementary, middle, or high) is open, closed, or providing distance learning during COVID-19?

Live Twitter Chat 3/24 at 7pm - 8pm EDT
COVID-19, school closures, and models of support
#STEMTLdiscuss

Joni Falk @Joni_Falk · Mar 24
Replying to @STEMTLnet
Looking forward to hearing from teachers across the country! #STEMTLdiscuss @STEMTLnet

CJ Colley, PhD @thinksci · Mar 24
Replying to @STEMTLnet
Carolyn from Renton (south of Seattle). I'm a K-5 science instructional facilitator (PD, curriculum, coaching). Schools are closed. We are offering at-home learning resources for now. #STEMTLdiscuss
Jill Harrison Berg @Teachers_Lead · Mar 24
Replied to @STEMTLnet
Jill Harrison Berg here from Boston, just lurking and learning along with #STEMTLdiscuss tonight!

Mr. Scott 🦸‍♂️ @mrscottbot · Mar 24
Replied to @STEMTLnet
Doug Scott - Engineering and Robotics, MA. Good to see everyone. Hope all are well.

Julie Olson @KernelSTEM · Mar 24
Replied to @STEMTLnet
Julie Olson, Mitchell, SD HS Science and alternative school. Week 2 remote. @STEMTLdiscuss #HSSTEM

Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24
Replied to @STEMTLnet
I’m Jaime from WV and I am currently in my second week of working from home! All teachers in my district have provided work from@home packets for our students. #STEMTLdiscuss #6thgradescience

Joni Falk @Joni_Falk · Mar 24
Do they communicate with each other or with you online about the packets? Are they activities or worksheets? #stemtldiscuss @stemtlnet

Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24
They reach out to not only myself, but also classmates. There are worksheets and activities. I provided a worksheet on air and flight they had to read and answer questions on and then they built an airplane using what they learned.
Q1 - What is your district/school doing to support you to support students and parents? How have principals & superintendents made a difference where you are? 

#STEMTLdiscuss

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Q1

Can you share models of what your district/school is doing to support teachers, students, and parents during this time period? How have principals and superintendents made a difference?

Live Twitter Chat 3/24 at 7pm - 8pm EDT
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Twitter 
#STEMTLdiscuss

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7:12 PM · Mar 24, 2020 · Twitter Web App

1 Like

 Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24
Replying to @STEMTLnet
Our district is providing food for students while out via multiple venues. We have school buses delivering food and the option to pickup food in multiple places. We are also reaching out to every student/family to check on them! #STEMTLdiscuss

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S_M_Kelly @S_M_Kelly · Mar 24
Replying to @STEMTLnet
A1: #STEMTLdiscuss Expecting nothing for first two weeks (displaced "vacation time"), which provided time for administrators, teachers, parents, and students to adjust to unfamiliar/unsettled reality without additional pressures
David Upegui, PAEMST @upeguijara · Mar 24
Replying to @S_M_Kelly and @STEMTlnet
As professionals, we need to support and assist each other. Some of us are better at this than others.

Miriam Cutelis, NBCT @Cutelisart · Mar 24
Replying to @S_M_Kelly and @STEMTlnet
I find the fact that teachers got 2 weeks very smart... initially, as a parent I was not happy... but now I respect it.

Julie Olson @KernelSTEM · Mar 24
Replying to @S_M_Kelly and @STEMTlnet
We found out on a Friday and had to have stuff in place for that Monday. #STEMTldiscuss

Joni Falk @Joni_Falk · Mar 24
that does not sound doable to me?

Julie Olson @KernelSTEM · Mar 24
Stressful and steep learning curve. I was busy before that just doing regular school stuff. 1-2 days doesn’t equal weeks.

CJ Colley, PhD @thinksci · Mar 24
Replying to @STEMTlnet
A1: #STEMTldiscuss Communication is key. Responses to us of "we aren't sure yet, stay tuned" have shifted to "here's our plan for now, may change." Also appreciated the focus on making sure families have what they need first, like food, etc. Then learning options online & offline

2 · 2 · 4
Joni Falk @Joni_Falk · Mar 24
so agree with this. Not sure one would want kids sitting in front of screens all day. What about a family with four kids and one computer? or iphone? #stemtldiscuss

David Lockett @DavidJLockett · Mar 24
Equity and access are key components to navigating resources effectively. #STEMTLdiscuss

Doctor Proctor @DrSianProctor · Mar 24
That’s why fighting for #OER and @creativecommons license on the things we create is so important.

Julie Olson @KernelSTEM · Mar 24
Replying to @STEMTLnet
A1. Students have laptops - we are doing what we want. acmin is calling students not doing their work #STEMTLdiscuss

Jill Harrison Berg @Teachers_Lead · Mar 24
Replying to @STEMTLnet
#STEMTLdiscuss A1:
I work with many Principals in a few districts in the Boston area. Most of them have made sure all families have access to meals, all students are getting calls from teachers, and all teachers have access to PD to support the transition to online instruction.

Joni Falk @Joni_Falk · Mar 24
A1. This sounds like a very sound approach. Jill can you recommend a principal or two who might present on stemtlnet.org? #stemtldiscuss

Jill Harrison Berg @Teachers_Lead · Mar 24
#STEMTLdiscuss
Maybe with a teacher leader? :)
Let me talk to some and get back to you! (DM your email and more about what, specifically, you'd like them to do?)
Mr. Scott 🤖 @mrscottbot · Mar 24
Replying to @STEMT Ln
District has been fantastic. Effective leadership to get students what they need, but also respectful that everyone is scrambling at home. Twitter has been a great resource for me to connect and learn from others during this and other times.

Danielle Young @MrsDCYoung · Mar 24
Replying to @STEMT Ln
A1- week #2: we are mostly online with Google Classroom in Midcoast Maine- all students have devices 6-12, and k-5 are getting them next week. The first couple weeks have been ‘habits of work’ grades, but we are shifting to formative and summative for the foreseeable future.

Danielle Young @MrsDCYoung · Mar 24
Replying to @STEMT Ln
A1- our admin leadership has rocked; so supportive with tech support, etc. SpEd support happens with individual calls and a virtual support room that is staffed throughout the school day.

Danielle Young @MrsDCYoung · Mar 24
Replying to @STEMT Ln
Q1- it differs by district, as we have ‘home rule’ in Maine. My district is delivering meals 5x / week with buses. A nearby district has meal pick up 3x/week

msdchemistry @msdchemistry · Mar 24
Replying to @STEMT Ln
Q1: District expects us to prepare two weeks of online lessons, be available online for them two hours a day. We are told to keep it simple, not over stress the students or ourselves
Selene Verhofstad @beagueek3 · Mar 24
Replying to @STEMTLnet @PasadenalSD_TX the support has been exceptional and phenomenal. Admin has set forth breakfast and lunch for parents to pick for students. We have content specialist who have set up online systems for us. We will now have weekly virtual meetings to be continually supported.

STEMTLnet @STEMTLnet
Share examples of how teacher leaders have exerted leadership during this time. #STEMTLdiscuss

Q2
Can you share examples of how teacher leaders have exerted leadership during this time?

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STEMTLnet.org TERC

CJ Colley, PhD @thinksci · Mar 24
Replying to @STEMTLnet
A2: Leadership means focusing on relationships (checking in, phone chats, honesty about feelings). Then curated resource sharing w/other instructional coaches & teachers so what we offer families aligns w/ school's culture of learning + flexibility for caregivers #STEMTLdiscuss

STEMTLnet @STEMTLnet · Mar 24
Well said CJ Colly! #STEMTLdiscuss
Miriam Cutelis, NBCT @Cutelisart · Mar 24
Replying to @STEMTLnet
A2: I have posted several how-to videos for teachers and parents in both Spanish and English to help them navigate technology easier. I have seen other colleagues @Rosielivenlearn, do the same #STEMTLdiscuss

STEMLnet @STEMTLnet · Mar 24
That's fantastic Miriam!

Jill Harrison Berg @Teachers_Lead · Mar 24
Replying to @STEMTLnet
#STEMTLdiscuss A2:

#Teacherleaders are recording or inviting peers to online classes to model this for peers, they are organizing CPT team meetings to ensure we're reaching each student, they are creating PLNs on online learning, etc.

Julie Olson @KernelSTEM · Mar 24
A2. Our state teacher leaders started a Facebook group. Over 1000 joined in an hour! Anyone can post a question or need and get an answer in minutes #STEMTLdiscuss

Luann ChristensenLee @stardiverr · Mar 24
Which state? #STEMTLdiscuss

Joni Falk @Joni_Falk · Mar 24
Replying to @KernelSTEM @Teachers_Lead and @STEMTLnet
Julie, which state? What is the facebook page? #stemtldiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24
Replying to @KernelSTEM @Teachers_Lead and @STEMTLnet
A2 I wish we could do this. But all the devices they have will not open youtube. I am also curious what state? #STEMTLdiscuss
Julie Olson @KernelSTEM · Mar 24
Replying to @STEMTLnet
A2. Sharing resources, adding to online groups, brainstorming with others, checking in on new teachers #STEMTLdiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24
a2: I agree- and not only new teachers, experienced teachers also #STEMTLdiscuss

Julie Olson @KernelSTEM · Mar 24
Yes - I called a seasoned colleague with small children. Everyone just needs to talk. #STEMTLdiscuss

Selene Verhofstad @beaugeek3 · Mar 24
Replying to @STEMTLnet
Mostly sharing out their resources. I've joined several FB groups and have been able to track resources from these. I personally made myself available to anyone who needs help in science 8-12th grade

Chris Chopp @cchopp · Mar 24
Replying to @STEMTLnet
A2: teachers are reaching out to students who don’t have internet or are hard to reach to connect with all kids not just the google classroom rock stars.

Kathy Renfrew @KScienceLady · Mar 24
Replying to @STEMTLnet
CSSS/ NSTA/NSELCA and others working together produced new Stem Teaching Tool stemteachingtools.org

Ellen McDonald @LNLindsa98 · Mar 24
Replying to @STEMTLnet
A2: Teachers leaders are checking in with other teachers, hosting zoom, trying out new ideas to engage students.
David Upeguí, PAEMST @upeguijara · Mar 24
Replying to @STEMTLnet
They are leaning along with us! Hoping they act equitably

Karen Woodruff @Karen4STEM · Mar 24
Replying to @STEMTLnet
Q2: STEM teachers are getting together daily online to share ideas and be supportive

Mr. Scott 🚀 @mrscottbot · Mar 24
Replying to @STEMTLnet
I feel like I am doing all that I can and showing the kids I care by preparing experiences for them and being here for them. This has been an 8am to 10pm effort for 2 weeks. Honestly the busiest I think I have ever been in 17 years of teaching.

Jeremy Smith @effort2learn · Mar 24
I agree. This is challenging in new ways. However, it is exciting to take new approaches and think about how this experience can improve future teaching efforts once we all return to school. @STEMTLdiscuss

Mr. Scott 🚀 @mrscottbot · Mar 24
I agree with that. I am learning a ton. I agree that practices will change for the better. One thing is for certain, we all miss school :)

Sean Wybrant @CraftingHeroes · Mar 24
Is your district/school or are you specifically working with teachers from other disciplines and outside of your own grade level as a way of re-imagining what this could mean for students?

Mr. Scott 🚀 @mrscottbot · Mar 24
No at this time there is enough to tackle and teachers are 24/7. The message/rollout is consistent throughout the district. Admins met and set. Each building has had virtual meetings and each department as well. We are all being creative within some necessary guidelines.
Sean Wybrant @CraftingHeroes · Mar 24
It is very cool that you all have aligned messaging, and that there is a consistent rollout. I am a little concerned that it was just admins that met and set your path, and it feels like there are so many cool opportunities here to rethink what we do... (part 1)

Sean Wybrant @CraftingHeroes · Mar 24
that I worry that we are not taking the chance to really open up education for students the way we could. The fact that you have had to spend over 10 hours every day to make new lessons doesn't seem like a healthy path forward for you or others. (part 2 of 3)

Sean Wybrant @CraftingHeroes · Mar 24
And while that herculean effort is amazing, I just wonder if there isn't an opportunity here to build a community around empowering kids in some different ways. Not to criticize, just thinking out loud in Twitter voice. Thanks for being there for your kids. Means a lot. (3 of 3)

Mr. Scott 📚 @mrscottbot · Mar 24
No worries...Uncharted waters for all right. There are no right answers. You have to do what is right for your kids.

What strategies and resources have you found most helpful keeping your students engaged in STEM?
#STEMTLdiscuss
Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24
Replying to @STEMTLnet
Coming from a school where not all of my students have access to the internet I have been trying to provide activities that can be done without it! For example: next week they are going to make and fly paper airplanes and measure how far they go! #STEMTLdiscuss

David Lockett @DavidJLockett · Mar 24
#STEMTLdiscuss grc.nasa.gov/www/k-12/airpl...

Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24
Thank you!!

Miriam Cutelis, NBCT @Cutelisart · Mar 24
Replying to @PettitJaime and @STEMTLnet
but how are you getting lessons to them?

Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24
We have packet pickup days at the school and are mailing packets home to anyone who was unable to come pick their packet up!

Ellen McDonald @LNLindsa98 · Mar 24
Replying to @PettitJaime and @STEMTLnet
How do you share assignments with families?

Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24
We have packet pickup days at the school and then are mailing home packets to anyone not able to come. We are also reaching out via LiveGrades, email, and phone!

Ellen McDonald @LNLindsa98 · Mar 24
Great ideas!
Ellen McDonald @LNLindsa98 · Mar 24
Zoom, flipgrid and google classroom. Students are enjoying connection with their teachers via video platforms. #stemTLdiscuss

Julie Olson @KernelSTEM · Mar 24
Just had a zoom meeting with HS students really enjoyed seeing each other and chatting “face to face”. #STEMTldiscuss

Ellen McDonald @LNLindsa98 · Mar 24
My daughter is in 4th and her class just did a zoom meeting! Big smiles all the way around. They miss each other...

Jill Harrison Berg @Teachers_Lead · Mar 24
Replying to @STEMTNet
#STEMTldiscuss A3

The spring weather!

Any student can do a "spring bud study" project (pick a branch on a tree and tie a ribbon on it: examine and document it once or twice a day for the next three weeks)

The quarantine is well-timed with the season. There's a lot growing!

Joni Falk @Joni_Falk · Mar 24
I like these activities that are away from the screen and promote active learning, with a time for share back!! #stemTldiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24
right now I am simply offering ideas and not really wrapping back to get their final products, mostly because families need some time to adjust as well #STEMTldiscuss
Joni Falk @Joni_Falk · Mar 24
Not to mention that teachers are juggling taking care of their own children at home! #stemtdiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24
there is that too! There are two types of teachers... ones who have kids at home and ones who don't... completely two different level of work/stress

Danielle Young @MrsDCYoung · Mar 24
Replying to @Teachers_Lead and @STEMLnet
Phenology! Ever used iNaturalist?

Joni Falk @Joni_Falk · Mar 24
I like these activities that are away from the screen and promote active learning, with a time for share back!! #stemtdiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24
right now I am simply offering ideas and not really wrapping back to get their final products, mostly because families need some time to adjust as well #STEMLdiscuss

Joni Falk @Joni_Falk · Mar 24
Not to mention that teachers are juggling taking care of their own children at home! #stemtdiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24
there is that too! There are two types of teachers... ones who have kids at home and ones who don't... completely two different level of work/stress
Julie Olson @KernelSTEM · Mar 24
Replying to @STEMTlnet
A3. SWIVL (upload notes and discuss), EdPuzzle (create interactive video lessons), Quia (quizzes), SenecaLearning (online interactive learning) #STEMLDdiscuss

CJ Colley, PhD @thinksci · Mar 24
Replying to @STEMTlnet
A3: I can check our SeeSaw to see K5 Ss + families are posting. Many families found their own "STEM" things based on Ss curiosity/interest! Also seen a lot of cooking/baking! We are sharing resources that offer group tasks, offline. #STEMLDdiscuss

CJ Colley, PhD @thinksci · Mar 23
Who's up for an engineering-design challenge? 🧠🔧💡🌊🛠️
Challenges can be done as a group or individually using materials found around the house. Compare solutions and improve designs.
tinyurl.com/EngChall
@SartoriSTEM @NGSS_tweeps

David Upegui, PAEMST @upeguijara · Mar 24
Replying to @STEMTlnet
Too early to tell

Karen Woodruff @Karen4STEM · Mar 24
Replying to @STEMTlnet
Q3: think about what can be done with items in the recycling bin. #stemplleaders

A² @MissA_DBEXCEL · Mar 24
Replying to @STEMTlnet
A3: We go virtual on Monday. All of our coursework is housed in @CanvasLMS but I will be using @zoom_us to deliver instruction. I am going to create a virtual schedule for each class. It's important to remain connected with students and to provide as much structure as possible.
Last question! Let's talk about technology! What's working well for you? What are some of the challenges? Is this posing an equity issue in your district? #STEMTLdiscuss

Q4
Let's talk about technology.
Tell us what has worked well and what challenges are students, parents & teachers experiencing?
Is technology posing an equity issue in your district?

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#STEMTLdiscuss

Jill Harrison Berg @Teachers_Lead · Mar 24
Replying to @STEMTLnet
Thanks, #STEMTLdiscuss community, for a great chat!
Lots of useful ideas flowing tonight!

STEMTLnet @STEMTLnet · Mar 24
Thank you!! #STEMTLdiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24
Replying to @Teachers_Lead and @STEMTLnet
yes! so nice to chat with others about such an important issue...
Miriam Cutelis, NBCT @Cutelisart · Mar 24

some teachers are rushing to learn the technology to get the content out. even teachers that are good at technology need to learn what works best for them. (video, powerpoint? screencast) #STEMTLdiscuss

David Lockett @DavidJLockett · Mar 24

Yes! Digital tools should create connections not barriers. #STEMTLdiscuss

Miriam Cutelis, NBCT @Cutelisart · Mar 24

nice succinct description of what I just said in a really clunky way...lol #STEMTLdiscuss

Jaime Pettit, Ed.D, PAEMST @PettitJaime · Mar 24

Replying to @STEMTLnet
Challenges are not every student has access to the internet-to ensure equity I am providing paper packets and hands-on learning activities during this time away from the classroom. #STEMTLDiscuss

Julie Olson @KernelSTEM · Mar 24

Replying to @STEMTLnet
A4. We are lucky to have 1:1 system. The local internet companies are providing access for free if needed. #STEMTLdiscuss

NJCTL @NJCTL · Mar 24

Hi Julie- Arrived late, but wanted to let you that @njctl has free K-12 science & math teaching materials (presentations, formative assessment, labs, tests, unit plans etc.) & Free self-study courses for students in ms & hs math, physics and chemistry: njctl.org/school-closure...
Julie Olson @KernelSTEM · 11h
Thank you. Everything helps!

David Upegui, PAEMST @upeguijara · Mar 24
Repying to @STEMTLnet
My students conveyed that they “needed” to see their teachers- they need to feel smart, valued, supported! The video chatting did that for us.

A² @MissA_DBEXCEL · Mar 24
Repying to @STEMTLnet
A4:. For most teachers, I think the challenge is to find an equitable way to support all students. Most teachers are creative and have a great support system and will try different tools and develop a system to support students. That will be the key.

Selene Verhofstad @beaugeek3 · Mar 24
Repying to @STEMTLnet
Edpuzzle has saved us from making our own lectures. Even if you do want to lecture, you can upload here and Edpuzzle allows you to track who has watch the video. You can embed question within the video as well.

Ellen McDonald @LNLinda98 · Mar 24
Repying to @STEMTLnet
Our district had a tech sign out day where families could borrow district chrome books. One challenge is helping students take advantage of the opportunities that are provided for them. How to engage meaningfully. #stemTLdiscuss
@NJCTL · Mar 24
NJCTL
Hi Ellen- Arrived late, but wanted to let you that @NJCTL has free K-12 science & math teaching materials (presentations, formative assessment, labs, tests, unit plans etc.) & Free self-study courses for students in ms & hs math, physics and chemistry: njctl.org/school-closure...

@MissA_DBEXCEL · Mar 24
A2
Replying to @STEMTLnet
@KCS_District is being very supportive. We are 1:1 but the district is providing tech for students who are day-users and have increased access to the most reliable and secure resources like @zoom_us to support learning at home. #STEMTLdiscuss #ALLMeansALL

@NJCTL · Mar 24
NJCTL
Hi! Arrived late, but if helpful @NJCTL has free, comprehensive K-12 science & math teaching materials (presentations, formative assessment, labs, tests, unit plans etc.) & Free self-study courses for students in ms & hs math, physics and chemistry: njctl.org/school-closure...