

09:30:11 From Mark Ambroz : TJ, what were those folders on your Google Drive that said 'Video Worksheets' and Videos

09:31:54 From Katie Fredeen, Graphic Design @ Mesabi Range College : Is anyone trying to have their students connect to the free services offered by Adobe Creative Cloud? I received the direction from Adobe yesterday, but my students can't get in.

09:33:56 From Joel Ellinghuysen : another online CAD program is OnShape. Saw that on MTEEA Facebook discussion yesterday from David Stahl.

09:35:03 From Mark Ambroz : Thanks TJ. That helped

09:38:19 From Andrea Wilson Vazquez : @Katie - I think Adobe Creative Cloud login is blocked in some districts because it allows sign in with Facebook

09:39:07 From Katie Fredeen, Graphic Design @ Mesabi Range College : Andrea, thanks. I'm wondering if I have to enter in my students email addresses into the Adobe Admin portal for them to be able to access the cloud.

09:39:16 From Tom Kohl/ Matt Johnson-Onamia HS : This may have been lost in our many emails, so I just wanted to say it again. Whiteboxlearning has opened up everything on their site until June 30th

09:40:50 From andrew.dwyer : Any other video production teachers/instructors here?

09:41:40 From tdahl : Yes - photo and video.

09:42:00 From tdahl : Yearbook too

09:42:07 From Kristine Heykants : Photo here, with a little video

09:42:17 From Dan Sorum : Can you put the web address for the safety videos here please?

09:42:30 From Katie Fredeen, Graphic Design @ Mesabi Range College : I teach Graphic Design Media at Mesabi Range College in Eveleth. Adobe education exchange has a lot of good free resources on their website.

09:42:42 From andrew.dwyer : Thanks...we have 1:1 chrome books...so must be chrome based for editing

09:42:59 From andrew.dwyer : Wevideo is what I'm exploring

09:43:01 From Mike Sandell : Geigle safety: <https://www.geiglesafety.com/>

09:44:10 From LG : Larry Granec here with H2I Group (Haldeman-Homme). We are sending the information to request access to the Festo curriculum to the MTEEA website, but you can also contact John Neal: [jneal@h2igroup.com](mailto:jneal@h2igroup.com) or (612) 805-0318.

09:44:30 From TJ Hendrickson : thank you

09:44:37 From Brian.Bordwell : How are folks planning to take attendance during the day? We are mandated to do this. Example might be " Are folks posting a daily question and require kids to respond" Thoughts

09:45:35 From Kiel Koehler : That is what I was thinking to do for attendance

09:45:35 From Andrea Wilson Vazquez : I teach makerspace at an alternative high school in Minnetonka - I created a series of K-12 empathy-based design challenges based on our current health crisis that I'm asking students to prototype at home: [bit.ly/2020designchallenges](https://bit.ly/2020designchallenges)

09:46:00 From Travis : I work with FESTO at Dakota County Technical College. I use it for electronics through Microprocessors. I have also used it for Pneumatics and Hydraulics.. I can give some feedback and suggestion regarding the software.

09:46:02 From Andrea Wilson Vazquez : Sorry the link didn't come through for those design challenges:

[https://docs.google.com/document/d/1mGjpGI7dNeDtzXMrGaiKcG6ZAYffRTD\\_YIXywPtBgWA/edit](https://docs.google.com/document/d/1mGjpGI7dNeDtzXMrGaiKcG6ZAYffRTD_YIXywPtBgWA/edit)

09:46:17 From bradgrose : My district is using a google form for attendance each day, I will have mine linked into schoology. There are just a couple of quick questions like their name and if they have any questions.

09:46:36 From andrew.dwyer : Story of my life

09:48:18 From Andrea Wilson Vazquez : Flipgrid has great resources for distance learning too: <http://blog.flipgrid.com/news/remoteteaching>

09:48:39 From ajohnson : These are all super great ideas (for kids that all have Internet) I hate to be a Debbi downer (but this is something to think about in the next 2 sections as well), what are people doing when half your students don't have internet?

09:49:06 From Kiel Koehler : Is flip grid only a phone app?

09:49:14 From Dan Sorum : Our district is taking attendance at the end of the day and reported the next day. That way kids who can not be online when we are for any number of reasons have time to check in. We use Schoology so a one question check in gives a time stamp and know they were online.

09:49:57 From Andrea Wilson Vazquez : @Kiel - Flipgrid is web-based and has apps for phones

09:50:18 From Travis : email is [travis.ahlquist@dctc.edu](mailto:travis.ahlquist@dctc.edu)

09:50:18 From Katie Fredeen, Graphic Design @ Mesabi Range College : Ajohnson, from the sounds of it, my children's school sounds like they are going to take a weekly drop-off of assignments.

09:51:44 From Brian.Bordwell : Thank YOU for the discussion on Attendance :)

09:52:13 From Andrea Wilson Vazquez : Anyone teaching computer science stuff? I'm also on a team that's putting together CS distance learning resources (including some that don't require tech): <https://docs.google.com/document/d/1Qy2GayfYq1qheAxsDVSEPtjgrLH5Dj7swjo-tDfu6V4/edit>

09:53:16 From Tom Kohl/ Matt Johnson-Onamia HS : as I am watching I am putting lego kits together, scavanging parts from our past years lego robotics kits. I am planning to send a kit to all of my 7th graders with ample legos and supplies to build mouse trap race cars on their own,

09:53:34 From andrew.dwyer : Thank you all and Mr. Dahl. Sorry...I figured out my audio issue...I think :)...but must run to a PLC meeting. Thank you all for your time and input

09:53:35 From Andrea Wilson Vazquez : @Tom - awesome idea

09:54:11 From MHolmes : I have to run too. Thanks everyone!

09:54:15 From Jeremy Culleton (Warroad) : How do we access the SDC textbooks?

09:54:25 From andrew.dwyer : I have to get out of zoom to make changes...so decided to stay in and listen.

09:54:25 From Katie Fredeen, Graphic Design @ Mesabi Range College : Thank you.

09:55:26 From Andrea Wilson Vazquez : @TJ - thanks for all of your work to put those resources together - so helpful! Nice to meet everyone. Are there plans for a future group check in at all? Would be nice to know how things are going and troubleshoot again in the future

09:55:34 From ajohnson : Yes Katie, ours is doing Dailey pickup and drop-offs with our meals, but all of these awesome ideas are only available to kids with internet, so half our kids are being left out if they don't have internet. The whole "fee internet ideas" but I don't know if our parents would take advantage of that

09:55:53 From ajohnson : Can you talk more on the hotspot pick-up??

09:56:29 From tdahl : Good job, thanks.

09:57:52 From TBarrett : Along with MTEEA listserv, I will also try to share something out when I send any resource updates.

09:58:35 From ajohnson : That's a super cool idea, I'm going to relay that to my principal

09:59:42 From ajohnson : Any ideas on how to combat this with kids who barely have cell service?

09:59:59 From Julie Berczyk : Thank you!

10:00:01 From ajohnson : Thanks for the ideas!

10:00:11 From Andrea Wilson Vazquez : I have to run to another meeting - thanks everyone!!

10:00:12 From Brent Balmer, CLC Videography CLA : Thank you!

10:02:03 From Mike Sandell : festo <https://hhtechproducts.com/festo-elearning-courses/>

10:13:02 From Mike Sandell : Construction MTEEA Shared [https://docs.google.com/document/d/1LlplHggp2DPToYuNBga977DIOfG\\_fBtN5w\\_eFcdalPs/edit](https://docs.google.com/document/d/1LlplHggp2DPToYuNBga977DIOfG_fBtN5w_eFcdalPs/edit)

10:16:17 From Jeff Schneider : Reminder - turn your microphones off (MUTE), please. There's quite a bit of echoing. THANKS! :-)

10:19:24 From Dawn W. Lubahn : Can you put the link to the Google Doc or Google Folder in the Chat? Please and Thank you

10:19:25 From Mike Sandell : Are others using this opportunity to send Model Building kits home to students? Thoughts on safety? materials being sent?

10:20:13 From TJ Hendrickson : WisWeb.. isometric visual games

10:24:06 From ashley johnson : Yes Rube Golberg is what I plan on doing with my 7th and 8th graders

10:24:51 From ashley johnson : What was the Rube Goldberg thing you were just talking about?

10:25:21 From Jackson King : How are you handling issues with if a student gets hurts while working at home on a class activity

10:25:26 From TJ Hendrickson : <https://paperrollercoasters.com/>

10:25:33 From Tom Kohl/ Matt Johnson-Onamia HS : we were trying to keep it fun since most will be doing paperwork.

10:25:53 From Tom Kohl/ Matt Johnson-Onamia HS : our big missing resouce is internet access.

10:26:05 From Dave Paddock : Google Sketchup? Woodworking courses. Does anyone have a google classroom set up with tutorials and assignments?

10:26:09 From Jason Bruns : <http://engineering.mnsu.edu/engineering-machine-design-contest/official-engineering-machine-design-contest-handbook/>

10:26:17 From ashley johnson : Thank you!!!

10:26:19 From TJ Hendrickson : <https://www.rubegoldberg.com/education/rube-works-game/>

10:26:58 From TJ Hendrickson : <https://edheads.org/>

10:28:54 From TBarrett : Safety resource on MTEEA - <https://drive.google.com/drive/folders/0BzO7RCkbGqs6R2hTaDZ2ZFFFDIU>

10:33:03 From Melvin Winberg : I have been doing SP2 safety training also has soft skills. <https://sp2.org/>

10:33:33 From TJ Hendrickson : yes the sp2 is a soild curriculum

10:34:10 From Tom Kohl/ Matt Johnson-Onamia HS : make the parent sign off and grade it

10:35:40 From Lowell : I got Perkins money last year to purchase OSHA 10. It takes longer than 10 hours FYI. I teach Careers in Construction and build a house a year with kids. In the end they got certified.

10:40:16 From rick : I've had students use their OSHA 10 card received online to get out of safety classes at a tech school.

10:45:37 From TJ Hendrickson : great articles if you subscribe modern machine shop

10:45:41 From Dan Sorum : NRHEG is currently requiring us to be here full days but I know Faribault is not. According to the union is it the choice of the district.

10:46:48 From Mike Sandell : HTEC Suggested Lessons

10:47:02 From Mike Sandell : <https://www.dropbox.com/sh/610btmkr2avqjs8/AABYU4iaSbJg-gFsNhME4r4Xa?dl=0>

10:49:14 From rick : I'm struggling with resources for students without internet, currently about 25% of our students don't have an internet connection or one without a data limit.

10:49:34 From ashley johnson : Good idea with the google survey for parents to sign...whoever creates one first could share it with the group?

10:49:46 From Tom Kohl/ Matt Johnson-Onamia HS : same here. construction midel of a shed might work

10:49:56 From Tom Kohl/ Matt Johnson-Onamia HS : need to keep track of equity

10:50:37 From ashley johnson : Maybe add home maintenance to google parent survey "are you ok with you kids doing at home maintenance?"

10:53:49 From hreisdorf : I ran a wall section project with POE for thermal dynamics this year, I will try to find images from it to share in the shared Google folder.... I had them focus on the insulation material, but we put wires, LEDS, and a switch in too... could be a great project for Construction.

11:00:58 From Tom Kohl/ Matt Johnson-Onamia HS : we need more non internet ideas

11:01:14 From TBarrett : SketchUp Pro Statewide license - <https://education.mn.gov/MDE/dse/tech/up/>

11:02:29 From TBarrett : I have the information on getting the SketchUp Pro state license. Contact me at [timothy.barrett@state.mn.us](mailto:timothy.barrett@state.mn.us)

11:02:54 From ashley johnson : YES!!!

11:03:03 From ashley johnson : To non-internet ideas!

11:03:12 From Tom Kohl/ Matt Johnson-Onamia HS : we cnat talk so speak up please

11:13:24 From Schulte : Thanks for recording these! I had district-level meetings this morning until now. I would like to cruise through Construction and AV.

11:16:12 From Tom Kohl/ Matt Johnson-Onamia HS : 'it said on the email from mike hosmer, solidworks will work on all devices

11:19:52 From Tom Kohl/ Matt Johnson-Onamia HS : this is the email he sent

11:19:58 From Tom Kohl/ Matt Johnson-Onamia HS : Hope all is well up there for everyone amid this crazy time. Here are the instructions for students to get Solidworks online.

Take care,

For SW on Chromebook:

Students should goto [my.solidworks.com](http://my.solidworks.com) and choose the TRY SOLIDWORKS link at the top center. Choose to SIGN UP and create an account, and students will have 30 days of online Solidworks. This will work on any device.

11:20:25 From Dawn W. Lubahn : It helps those on rural internet if when you are not speaking, cut your video feeds

11:24:22 From becker : Ashley check out my work ethics prompts

11:24:44 From Schulte : I added the ruler game to Construction and Manufacturing - easy win for everyone, a little competition (although try to avoid student comparison...)

11:25:34 From Schulte : We have to assume that everything is unsupervised - we are not sending utility knives home for this reason - I would think metalworking tools would follow.

11:25:54 From Schulte : They don't want "blades" of any kind sent home...

11:26:06 From ashley johnson : Becker, is that in the manufacturing shared doc?

11:26:30 From Schulte : Think Sheet metal but shift to paper...

11:27:26 From Schulte : FYI Governor is going to announce "shelter in place" at 2:00 pm which will further limit access to labs, even for teachers.

11:27:42 From Dawn W. Lubahn : Thanks for the heads up

11:27:44 From Jeffrey Tuckner : `bob you might want to cut your video feed so your voice comes through better-

11:27:57 From Betsy Alwin : Hi Bob, You're breaking up. Could you try turning off your video and just use voice?

11:28:59 From Bob : Thank you all

11:29:20 From Schulte : The Ruler Game - <https://www.rulergame.net/new-english-ruler-game.php>

I have my students track progress and improvement over 5 days through a schoology discussion - 6 minutes per day or 3 games - whichever lasts longer. Great warm-up - consistent and easy for everyone to do and see improvement in. Added to Manufacturing and Construction docs...

11:29:31 From Jason Bruns : <http://engineering.mnsu.edu/educator-resources/>

11:30:12 From ashley johnson : And everything he is talking about is in the miller open book and Lincoln welding curriculum I talked about earlier

11:30:42 From becker : David do you have any worksheets or lessons on those things

11:30:42 From Bob : Ashley you are correct.

11:30:43 From Betsy Alwin : Thanks Ashley

11:31:32 From ashley johnson : I have all the Lincoln welding stuff in PDF format. Should I add it into the shared MTEEA website folder?

11:32:59 From Eli Hill : I bet there are some publishers who have good blueprint reading and shop math curriculum that are now giving away the curriculum

11:33:03 From ashley johnson : This is always free to instructors and students  
<https://openbook.millerwelds.com/>...it is it's own LMS system

11:33:28 From Schulte : link is broken.

11:33:32 From ashley johnson : <https://openbook.millerwelds.com/>

11:33:36 From ashley johnson : Sorry about that

11:33:39 From AAngell : what is that virtual tour link?

11:36:10 From Jeffrey Tuckner : Sandstone/Askov mn- we can still get into the school but we are all prepping to work from home

11:36:52 From Dawn W. Lubahn : All the Industrial Arts teachers on a statewide list serve?

11:37:01 From Dawn W. Lubahn : Are, not all??

11:37:11 From Jeffrey Tuckner : have you guys used flipgrid? I plan on working though my remaining units in welding with videos and have them flipgrid reflections or write them-

11:37:27 From Jeffrey Tuckner : Tim has been awesome

11:37:28 From Bob : We are using flipgrid as well.

11:37:48 From Jeffrey Tuckner : Can we organize this though Tim?

11:37:51 From Dawn W. Lubahn : All of the Ag Teachers are on statewide and regional list serves through the U of MN, I would suggest everyone request this through MDE

11:39:00 From Dawn W. Lubahn : put it in the chat please

11:39:39 From Jeffrey Tuckner : cool- thank you

11:40:22 From hreisdorf : mteeacommunications@gmail.com

[https://www.facebook.com/groups/2277761969184247/?ref=group\\_header](https://www.facebook.com/groups/2277761969184247/?ref=group_header)

11:41:37 From TBarrett : If you are not receiving emails from me and want to receive the MDE communications, contact me at [timothy.barrett@state.mn.us](mailto:timothy.barrett@state.mn.us)

11:43:11 From Mike Sandell : [https://docs.google.com/document/d/1jEbUNd9TpbkE\\_DRwWSkz-u0n9\\_OAqzJb1qqmWQNECuQ/edit](https://docs.google.com/document/d/1jEbUNd9TpbkE_DRwWSkz-u0n9_OAqzJb1qqmWQNECuQ/edit)

11:44:56 From Betsy Alwin : One assignment I give in Blue Print is to have students find a welded part in their world and create a blueprint for it with measurements and symbols.

11:44:59 From Schulte : <https://www.mikeroweworks.org/sweat/> 12 videos in the series, each student can complete the S.W.E.A.T. Pledge. Would go along the lines of work ethics

11:45:38 From AAngell : Is there a virtual HAAS interface available?

11:48:05 From JOSHUA.DERY : Immers2Learn

11:48:05 From Schulte : I teach a little CAM through FUSION - EXCELLENT tutorials through AutoDESK academy - my students enroll in autodesk courses

11:48:41 From Dusty : A site I have used in the Past for teaching CADD. Allows self pacing, includes links to YouTube videos. Has instructional manuals in pdf form.  
<http://www.vertanux1.com/instructional-manuals.html>

11:48:46 From dave Kitzmann : definitely do it again. yes break it into smaller sections.

11:48:51 From ashley johnson :  
<https://drive.google.com/drive/folders/1lug6ut6wPiBO0YXKCx9DA0iplnsDmN7R?usp=sharing>

11:49:30 From ashley johnson : Here is the link to my google folder for the Lincoln welding curriculum. I put this in the shared doc as well

11:50:12 From dave Kitzmann : same here Mike.

11:50:36 From JOSHUA.DERY : Ashley could you please give us access to the google drive folder. Thanks!

11:51:52 From hreisdorf : Instead of sharing your folder Ashley- please drop the files into the MTEEA shared folder

11:52:30 From Jeremy Culleton (Warroad) : Thanks for everything, looking forward to more all great stuff

11:52:47 From Jeffrey Tuckner : Thanks everyone-

11:53:13 From ssandeen : Thanks for all the sharing!

11:53:39 From nhedquist : Thank you for hosting these meetings. I had been struggling with ideas but feel ready to start creating lessons for my students.

11:54:33 From Joel Ellinghuysen : ITEEA Engineering by Design  
[https://www.iteea.org/Community/STEM\\_by\\_State/37397/142664.aspx#organizationMenuTabs](https://www.iteea.org/Community/STEM_by_State/37397/142664.aspx#organizationMenuTabs)



11:54:42 From Robert Olson : Thank you as well. I feel a lot more at ease now.

11:55:58 From TBarrett : ITEEA PPT instructions -  
[https://www.iteea.org/Community/STEM\\_by\\_State/37397/142664/171475.aspx](https://www.iteea.org/Community/STEM_by_State/37397/142664/171475.aspx)

11:57:52 From Joel Ellinghuysen : MTEEA link to the information shared today  
<https://mteea.net/index.php/resources>

11:58:48 From dthompson : Same here Neil. Now I need to go back to the old adage KISS. So many great ideas my brain is spinning to fast. Thanks everyone.

12:00:19 From becker : Machine tool eLearning from Sandvik  
[https://www.sandvik.coromant.com/en-us/services/education/pages/e-learning.aspx?fbclid=IwAR14YQg-cx8hUEppbc6sM5SWbKHg-QxM\\_-fwvVQDgjCFwU7hXGyVIXPJ66A](https://www.sandvik.coromant.com/en-us/services/education/pages/e-learning.aspx?fbclid=IwAR14YQg-cx8hUEppbc6sM5SWbKHg-QxM_-fwvVQDgjCFwU7hXGyVIXPJ66A)

12:00:27 From Dawn W. Lubahn : Thank you Ashley, this is really important, our CTE students are having to transition all subject to online and they take CTE for a reason

12:01:41 From Dawn W. Lubahn : At the Post Secondary Level, I am talking to my faculty about delivering the absolute essentials in their courses

12:03:33 From Bob : Agree with you David, I have done similar and most will do it.

12:04:04 From ashley johnson : Thanks MR. Otto!

12:04:45 From David Otto : david.otto@clcmn.edu is my email if anybody needs help with content or ideas

12:05:23 From dave Kitzmann : This has been extremely valuable! Thank you for setting this up and I look forward to the next time.