

Q&A

Online Instructional Practices for Math & Science Webinar • May 13, 2020

1. How do you assess students and make sure they do the work themselves without support?
 - a. exam.net. it locks the student's computer from using other websites. it includes a calculator, equation editor and formula sheets can be uploaded.
2. How to differentiate the students of different level in a class?
3. How can we inspire students to utilize their knowledge of science in using the resources available at their homes?
 - a. What is the average length of a lesson?
 - b. I would suggest xournalpp <- the best electronic whiteboard
 - c. My laptop is not touch screen, how can I write?
4. How will we teach formula and the link when u dont want to be rigid
5. How to improve and accelerate the ability of the students more in case of "practical Classes"(science)?
6. The assessment of the learnings has been a challenge in case of online teaching, how do you think can we overcome that challenge?
7. what are the best learning strategies of math for primary level?
8. How to manage working from home? Without an electronic board!
9. How can we address multiple intelligences in online classes?
10. Interactive math games in a social group setting with peers is a huge part of our Kindergarten curriculum . How to adapt that to distance learning ? and how to effectively assess in K?
11. What if the school policy doesn't allow recording of students nor student made recordings?
12. I would like to know about the "time" distribution.Like some students are not able to meet up the deadline,need to be reminded frequently,how to improve the practice
13. How will we explain 2-D and 3 -D shapes with figures?
14. In Math , we do math manual activity to understand the concept, but how we can teach activity in online teach. do you have any activities online for primary school students like till grade 5 since in online class they won't sit in a place more than 20 mins by making activity we can make attentive and learn more. can you suggest any link for this activity
15. How do we best engage the younger ones from PP2 coming to G1, in online learning on active learning basis, also what will be the apt lesson time for them on daily basis as well as the apt screen time on a day basis?... How do we help them not to get distracted during the lesson online?
16. What is the best way to teach Math for small children through online learning. How do we help them to understand the lesson better?
17. What are the best rules or ethics for online learning ,we can have parents also know and get in mutual understanding with us so that we can work together help children learn the best...online .:)
18. how best can i teach a chemistry concept that require carrying out an experiment online
19. What is the most challenging part aspect in teaching science online?

20. How do we differentiate when we have children with special needs
- Hi, I had a few SEN children in my Synchronous class, therefore I suggested then some good you tube videos to watch while lesson is on, and made a seperate PPT with my recorded voice starting from the basic of the concept. Small group sessions other that the synchronous class also helped in my case.
 - Great practices, Tarun. Thank you so much!
21. How are you using your ipad as a document camera , separate from your video conference laptop ?
- You can connect it via USB and then use the screen share feature in your conferencing tool
 - I use aircserver - connects my ipad to my laptop using screen mirroring.
22. Do you use instructional videos. If yes, how long is the maximum length of the video?
- I believe research shows that they should be not be more than 10 minutes. What grade level are you referring to?
 - Yes, short and spirited/rich and relevant videos is sound practice. Also, help students develop active ways to view videos and taking in information. Otherwise, videos can accidently become a very passive experience. Having students generate questions before and as they view along with developmentally supportive
23. How to make online assessment effective? Considering that kids could be tempted to share their answers , also considering that giving them personalized feedback is pretty important
- We will work to address this during our upcoming Q and A part of this webinar. Additionally, please dive into the resources we will send you as a follow up to today's webinar. Such an important question. Do continue to use one-on-one conferring to give and gain feedback.
 - Thanks !!
24. how to use the online resources for students in online class in maths. teaching more effective , do u have any activities to do in online to learn in online class because now in our country we started online class especially for primary classes
25. Have you found breakout rooms effective for younger grades? 2nd grade?
- Answered this in the chat box :) but a big yes to utilizing breakout rooms whenever you can. Of course, modeling and collaborative practice in accessing and using breakouts is very helpful (which may include a video of you doing this). More examples will probably be shared in the webinar today and in our webinar follow up notes.
26. What is NGSS?
- The Next Generation Science Standards. A set of performance expectations for science in the states. It includes science practices (skills), disciplinary core ideas (content), and crosscutting concepts (things like patterns, cause and effect, etc).
 - <https://www.nextgenscience.org>