

Virtual Quarknet is a group which typically meets by videoconference monthly rather than gather at a physical location. The 13 teachers and three mentors (2 official, 1 unofficial but supporting) met for an hour each on nine Sunday evenings during the school year, with an average of just under 9 teachers attending each gathering. As always, the meeting topics varied greatly, including discussions of physics teaching, Masterclass, outreach ideas, gender and diversity in the classroom, conference travel adventures, and a variety of physics topics.

With diminished financial resources, the group did not hold a face to face meeting in summer as we have annually since formation. Instead we had a videoconference gathering August 12th and 13th led by Michael Wadness. The first day we learned about the "STEP UP" program to promote gender equality in the study of science and science employment. Several teachers have since used the STEP UP lessons in our own classrooms and reported back to the group. On the second day we analyzed and tested the most recent development version of Masterclass iSpy software and CMS data. We expect this work to be useful in the upcoming Masterclass season.