Virtual Asynchronous

A virtual "poster" or a discussion post within your learning environment can be used in place of putting post-its on a poster.
 	
If you would like to have the students experience and play around with the Internet Simulator, there are several options:
  • pre-assign partners prior to this lesson and have each pair coordinate a time to connect to the Internet Simulator at the same time (it is suggested to provide a document shared between the partners to chat about the Internet Simulator and discuss their discoveries)
  • students can sign on to Code.org in a second computer and experience the Internet Simulator with a family member on the second computer
  • students can open a second tab on their computers and just join with themselves
 	
You will need to provide access to the video demo walk through of the Internet Simulator for students to watch after experimenting with it with their partner. This video can also be used in place of connecting to the Internet Simulator all together if students are unable to connect with a partner.
 	
You may choose to have students write a discussion post in your virtual learning environment about how the Internet Simulator is similar to the Internet and how it is different.
	Teacher Prep: Creation of a virtual poster shared with students (*if using*).
	
	Video of Internet Simulator demo pointing out how the Internet Simulator works as suggested in the lesson.

Virtual Synchronous

A virtual "poster" can be used for the first part of the activity (in place of putting post-its on a poster). If Breakout rooms are an option, the teacher can put students into a Breakout room with a partner so they can discuss the Internet Simulator as they are discovering how it works. If Breakout rooms are not an option, students can still connect with a partner to discover features of the Internet Simulator. The teacher can provide a document shared between the partners to chat about the Internet Simulator and discuss their discoveries as an option.	**Teacher Prep:** Creation of virtual poster shared with students Sample: Virtual Poster

Follow the remaining activity as described in the lesson.	

Socially-Distanced Classroom

Follow warm-up and the first part of the activity as is, making sure students put their post-its on the front poster one or two at a time. A virtual "poster" could be used as well and students could put their questions on that shared doc instead. Follow the remaining lesson as described in the lesson plan.	**Teacher Prep:** Creation of virtual poster shared with students if using that modification rather than post-its on a physical poster