

Student Handout

Computing Conversations

Now that you have created a communication protocol that allows us to send language across a wire using bits, let's think about the larger impact that your protocol may have on others in the world.

1. What language did you use for your 5-bit communication protocol?

2. Can you name other languages used around the world to communicate?

3. We read *Tasunka*, which was presented in both English and the Lakota language. The Blackfoot Tribe of Montana speaks Siksikáí'powahsin. "We love those" translates to "nitáákomimmannaani omiksi" in Siksikáí'powahsin. If you want to communicate across a wire with a student in the Blackfoot tribe, how might you alter or add to your protocol to allow you to communicate?

Commented [SH1]: What is this question trying to get at? I'm not sure what answer the teacher should be looking for here. Is it that we'd have to code the accents as well?

Commented [CJ2R1]: Exactly. There are characters used that will not exist in their current protocol. A language like Mandarin or Arabic would be a stronger example, but I wanted to tie this back to IEFA.

4. Why do you think it is important to think about how the technologies that we develop might impact others different from us?

Commented [SH3]: This seems like a big jump from the last question. Should there be some sort of transition question?

5. Summarize your conversation in 10 words or less.