

CSTA #CSforGood Discussion Prompts

Introduce the UN Sustainable Development Goals

In 2015, world leaders established [17 Sustainable Development Goals](#) (SDGs) to help make the world a better place by 2030. To help frame the discussions, you might want to introduce the SDGs to students:

- Ask students to identify problems in their school, community, and in the world.
- Tell students that leaders from 193 member states of the United Nations (UN) created 17 Global Goals to help address problems in the world.
- Show the video [The World's Largest Lesson](#) (6:19) and display the goals ([PDF](#) or [interactive format](#)).
- Facilitate a brief discussion about how computer science might be involved:
 - *How might we use computer science to help solve these problems?*
 - *Do you think there are any problems in the SDGs that technology cannot help solve?*

Prompt Discussion About the Work of the People on the Posters

The following videos identify some areas where computer science is currently helping others. Each day:

- Show the video of their work or read an article about their work.
- Facilitate a brief discussion on how a problem is being solved or the world is improving with the technology shown in the video.
- Introduce students to the person in the video or who is doing work related to the video through #CSforGood Slides: bit.ly/CSforGood.

Person / Introduction of Work	Discussion Questions
Mariana Popescu Video: Knitted Concrete (2:00)	<ul style="list-style-type: none">● <i>What problem does this solve?</i>● <i>How is computer science involved?</i>
Kasra “Kaz” Manavi Video: SimTable Demonstration (3:45)	<ul style="list-style-type: none">● <i>How could firefighters use a SimTable?</i>● <i>Other than helping first responders fight fires, what else do you think a SimTable might be able to do?</i>
Katia Vega Video: Katia Vega's Projects (5:10)	<ul style="list-style-type: none">● <i>What problems might Katia Vega's projects help solve?</i>● <i>Are there any other ways we could use sensors and the human body to solve problems in the world?</i>
Emma Yang Video: The 14-year-old app creator making waves in the tech industry (4:31)	<ul style="list-style-type: none">● <i>What kind of app did Emma Yang create?</i>● <i>Emma was asked what kind of apps there is still room for. What kind of app do you think the world still needs?</i>
Kristy Carpenter Video: Using AI To Transform Drug Discovery (3:12)	<ul style="list-style-type: none">● <i>Why is AI being used to help develop medications?</i>● <i>What other areas of medicine do you think technology could help improve?</i>

	The video is about work that is similar to what Kristy Carpenter is currently doing. There are no videos available of Kristy Carpenter's work.
Drew “Dr. Woohoo” Trujillo Video: Art Collective Meow Wolf (5:09)	<ul style="list-style-type: none"> • <i>Where do you think computer science was used in the Meow Wolf exhibition?</i> • <i>How is interactive art #CSforGood?</i>
Isaac Sesi Video: GrainMate Grain Moisture Meter (Beginning to 2:11)	<ul style="list-style-type: none"> • <i>What problem does GrainMate solve?</i> • <i>What other ways can technology be used to help farmers?</i>
Keith Kirkland Video: Access+Ability: Wayband by WearWorks (2:40)	<ul style="list-style-type: none"> • <i>What problem does the Wayband solve?</i> • <i>Most apps use the senses of sight and/or sound while Wayband uses the sense of touch. What problems could be solved by a technology that would use touch or smell or taste?</i>
Rumman Chowdhury Video: What is Responsible AI? (1:00)	<ul style="list-style-type: none"> • <i>What is bias in data and what data might be biased?</i> • <i>Why is it important to minimize bias in the data that AI systems use?</i>
Tara Chklovski Video: Technovation - Worldwide Competition for Girls	<ul style="list-style-type: none"> • <i>What does Technovation enable girls to do?</i> • <i>What problem would you like to solve and how could computer science help you do this?</i>