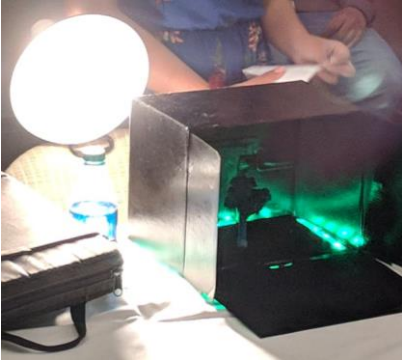
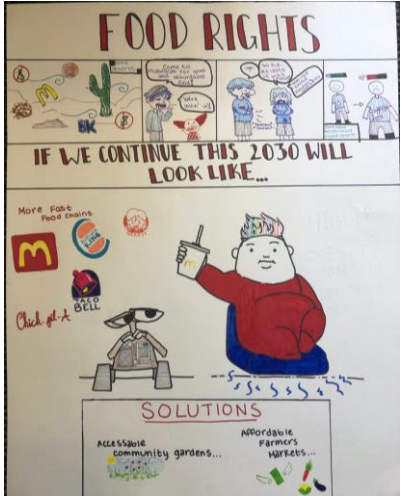


Appendix B. Examples of Participants' Projects

Project Format	Project Image	Project Description	Foregrounded Disciplines
Model		<p>Youth created a dynamic model of the greenhouse effect. They programmed LED lights to change color when a temperature sensor reached a certain level. Youth designed and created 3-D printed model trees.</p>	<p>Computing and science</p>
Cartoon		<p>In the format of a cartoon, youth created a public service announcement (PSA) about local food rights.</p>	<p>Science and visual arts</p>

Documentary Film



Youth created and filmed a documentary about the local effects of gentrification. Students engaged in qualitative research to create their documentary (e.g., creating interview questions, conducting interviews, analyzing interview data).

Social science and performing arts

Vision Board



Youth created a vision board for the design of various social-justice-driven apps (e.g., translation app, time-machine app). They programmed LED lights for their board to simulate the appearance of apps on a phone or mobile device.

Computing

Sea monster
(One Morning) Jayda,
Payton, Luna, Violet, and
Emely were walking
into school and all looked
at each other and noticed
something strange. So they
all stopped to see
what was so strange.
Emely looks at everyone and says:
Emely: "What the Heck is
That?"
Luna replies:
Luna: "It looks like
a UFO."
Payton: "Luna that ain't
No UFO, UFOs are a circle
That's a rectangle."
Luna: "Something" with attitude
[Payton rolls her eyes]

An excerpt from youths' script



Costume design artifact

Youth created a script for a play featuring a "squad" of five middle-school-age female characters who travel to the future to witness the effects of climate change on their local community. Youth designed and created costumes for each character and coded LED lights to accessorize the costumes. Youth cast and directed staff members to act out their play.

Computing
and
performing
arts



Staff members performing youths' play
in costumes created by youth