Table 1. Overview of the Club Activities and Identified Forms of Agency

Week	*Major Activity*	*Individual Agency*	*Collective Agency*
1	**STEM Identity Activity** The youth self-selected into STEM identity categories displayed around the room and talked about why they thought of themselves in that profile. They then were given a data representation of the outcomes of a STEM identity assessment they previously took. *STEM Focus: Career, identity connections*	***High*** Youth connected with the profiles that they felt matched themselves.	***Low*** STEM profiles did not directly apply to rain garden project.
2	**3D Printing** The media center teacher led the youth through an activity with Tinkercad to design hypothetical rain gardens to be 3D printed. *STEM Focus: Technology, engineering*	***High*** Youth had free agency over their designs in design teams but shared the same directive and tools.	***Low*** Designs did not inform final product.
3	**Potting Seedlings** The youth visited the area of the school where the rain garden would be installed. They spent the rest of the club time separating and potting strawberry seedlings in preparation for planting them in the rain garden. *STEM Focus: Measuring area, photosynthesis, plant parts*	***Low*** Youth did the same thing in the same ways.	***High*** The seedlings needed to be potted to survive long enough to be planted.
4	**Enviroscape** A guest speaker visited the youth from a local environmental NPO and led the youth through an activity that helped them understand how everyday activities like washing your car or mowing your lawn can impact stormwater in their county. *STEM Focus: Watersheds, pollution*	***Low*** Youth followed clear directions during the activity.	***Low*** The activity informed youth's thinking about the significance of the project but did not affect its final design.

5	**Creek Visit** The youth measured turbidity at a local creek with the help of agriculture students from the local high school. *STEM Focus: Turbidity, water quality*	***Low*** Youth followed clear directions during the activity.	***Low*** The activity informed youth's thinking about the significance of the project, but did not affect its final design.
6	**Building the Rain Garden** The teachers built the foundation of the rain garden before the club meeting. During this club meeting, the youth transported soil and gravel to the plot and planted the strawberry seedlings. *STEM Focus: Engineering*	***Low*** Youth self-selected into different roles including filling buckets with soil, transporting soil, and spreading soil in the beds.	***High*** On this day, the final design was implemented, reflecting the culmination of the club.