

Technical Appendix A: Educator Interview Protocol

1. What is your name and which site did you work with?
2. Tell me about the projects you were involved with. Where did you end the projects?
3. Tell me about your overall experience with YPAR this year.
4. I'm going to ask you about how you saw youth changed from beginning to end in a few different domains. (a) social-emotional development, like social skills, relationships, and interactions; (b) personal growth; (c) scientific practices and the science process; (d) other life skills like teamwork, leadership, communication

I am going to move to asking about your observations and experience as you supported youth in figuring out a research question, collecting and analyzing data, and sharing findings.

5. How do you reflect on your role balancing a more traditional teacher role versus guiding and empowering?
6. How do you think the young people's values and personal experience shaped their choice of a research question?
7. In what ways did youth talk about how the project related to their own lives?
8. What experiences or training helped you prepare to facilitate YPAR? What additional resources did you use to prepare and facilitate YPAR?
9. Which components of the fall educator training were helpful?
10. What additional support would have been helpful? *Follow-up:* What advice would you give to other YPAR educators? What essential skills or qualities do YPAR educators need?
11. What do you feel you learned, if anything?
12. What was your most important contribution to the YPAR program?
13. What, if anything, was challenging for you in the program?
14. If you went back in time and started over again, what advice would you give yourself?
15. What, if anything, would you change about this program?
16. Any other thoughts, comments, observations, or feedback?

Technical Appendix B: Youth Focus Group Interview Protocol

1. What is your name and age?

There were many things you did in this project like talking about your ideal versus real community, figuring out a research question, collecting and analyzing data, and sharing findings.

2. Tell me about your project. What was the topic and what were you hoping to do or learn?
Follow-up: What tools did you use? What did you learn from the data you collected?
3. What was your favorite part of the project?
4. What was the hardest part of the project?
5. What do you think you learned in the project?
6. If you went back in time and started the project over, what advice would you give yourself?
7. Imagine sitting with your best friend. If they asked you about the project, what would you tell them?
8. If you were going to do a project on a different issue, what might you do the same? What might you do differently?
9. In what ways can we make the project better when we do it at another school?
10. Anything else to add?