Lesson 4.1 – Launching the Community Capstone: A Data Question That Matters to Our Neighbors

Name: _____ Partner: _____ Date: _____ Period: _____

Big Question: What question could our class answer with data that would help people who live near our garden at 1634 N 19th Ave?

Word Bank: investigative question · population · census · sample survey · observational study · experiment · stakeholder · capstone plan · planned analysis

My Task

Draft the capstone plan.

Part	Our plan
Question	
Population	
Variables (type)	
Method	
Planned analysis	
Ethics check	

Support: Provide the plan template with an example from our garden experiment.	**AP Challenge:** Write a second version of your question that could be answered by a randomized experiment, and compare the two versions.

Think & Respond

1. What conclusion our method allows:

2. Feedback we used to revise:

AP EXAM PRACTICE

(MCQ) A student wants to know whether neighbors who live within 1 mile of a school garden eat more vegetables than neighbors who live farther away. She surveys a random sample of households in each distance group. Which statement is correct?

(A) This is an experiment, so any difference can be attributed to the garden (B) This is an observational study; it can show an association but not cause and effect (C) This is a census of the neighborhood (D) The results cannot be generalized because a random sample was used

EXIT TICKET

1. Our capstone question:

2. Our data collection method and why:

3. The inference procedure we plan to use: