Lesson 4.1 – Capstone Launch: A Biology Question for Our Community

Quarter 4 · Community Capstone: Ecology & Communicating Science · Week 28

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

Big Question: What biological question about our garden or neighborhood food could our research help answer for the community?

Word Bank: capstone · stakeholder · community need · food access · urban heat island · pollinator · biodiversity · project timeline

My Task

Plan your capstone.

Item	Our plan
Capstone question	
AP Biology topic	
Stakeholders	
Data needed	
Roles	
Key dates	

Support: Provide a question-builder frame and a sample timeline.	**AP Challenge:** Identify a local expert or organization and draft three interview questions (teacher review before contact).

Think & Respond

1. Why this question matters to our community:

_____

_____

2. First three tasks:

_____

_____

_____

AP EXAM PRACTICE

(MCQ) A team wants to know whether native flowers planted next to radish beds increase seed set by attracting pollinators. Which design is best?

(A) Plant flowers next to all beds and count seeds (B) Randomly assign beds to have flowers or no flowers, then compare seed set with replication (C) Ask neighbors whether they see more bees (D) Count bees on one day only

_____

_____

EXIT TICKET

1. Our capstone question is ___.

_____

2. Our stakeholders are ___.

3. One task I own is ___.