

Plans Can Change

Track how an inquiry plan improves when new evidence appears.

6.12.B “develop and revise a plan;”

NAME _____ DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline Maya’s goal and planned inquiry steps, circle each revision, and number the reasons that led to revisions.

A Garden Research Plan

- ① When Maya’s class decided to create a pollinator garden, Maya drafted a research plan. Her goal was to learn which native plants could grow beside the school library. She listed three questions: Which plants bloom in spring? What insects use them? How much sun does the site receive? Her first plan was to search two gardening websites, interview the custodian, and record sunlight for one week. She also set a deadline of Friday for gathering notes before the class chose plants.
- ② On Monday, Maya noticed a problem. One website described plants for a different climate, and the custodian did not know the garden site’s summer schedule. Maya revised her plan instead of using weak information. She replaced that website with the local extension office’s plant database. She added an email to the district grounds manager about summer watering. Because rain interrupted her sunlight record, she extended the observation to ten school days. She moved her note deadline to the following Tuesday and told her group why the changes would produce better evidence.
- ③ At Tuesday’s meeting, Maya checked the revised plan against her goal. The plant database answered her questions about native plants and bloom times, but it gave little information about the insects that visit each plant. Maya kept the database in her plan because it was useful for plant choices. Then she added a new step: use a field guide and a museum website to compare insect visitors. She assigned this step to Jordan and set Thursday as the new deadline. The group had a plan but would review it if questions appeared.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 What was Maya's inquiry goal, and how did her first three questions support that goal?

2 Describe two revisions Maya made after she found problems on Monday.

3 Why did Maya move her note deadline to the following Tuesday?

4 Why did Maya keep the plant database but add new sources at Tuesday's meeting?

3 YOUR TURN _____ Your own words

Choose a school question you could investigate. Write a brief inquiry plan with a goal, two questions, two sources or actions, and a deadline. Then describe one problem that could occur and one specific revision you would make to improve the plan.

PART 1 • READ AND MARK

Underline Maya's goal and planned inquiry steps, circle each revision, and number the reasons that led to revisions. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What was Maya's inquiry goal, and how did her first three questions support that goal?	Her goal was to learn which native plants could grow beside the school library. Her questions focused on bloom times, insect use, and sunlight at the site.
2	Describe two revisions Maya made after she found problems on Monday.	She replaced the website for a different climate with the local extension office's plant database, added an email to the grounds manager about summer watering, and extended the sunlight observation to ten school days. Any two are correct.
3	Why did Maya move her note deadline to the following Tuesday?	Rain interrupted her sunlight record, so she needed more time to observe sunlight for ten school days.
4	Why did Maya keep the plant database but add new sources at Tuesday's meeting?	The database was useful for choosing native plants and learning bloom times, but it did not provide enough information about insect visitors.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Goal: Find out whether a water bottle refill station would reduce plastic bottle trash at school. Questions: How many plastic bottles are in cafeteria trash now? How often would students use a station? Plan: For five lunch days, count bottles in one trash bin and survey 30 students. Check the principal's records for water use. Deadline: April 18. Problem and revision: If the bin is emptied early, count bottles after each lunch and record the daily total.

Accept equivalent descriptions of Maya's goal, evidence, revisions, and reasons. For the open task, accept plans with all requested parts when the revision clearly responds to a possible problem and improves the inquiry.