

Responsible Innovation and Design Decision Models

g12_u08_w32

Interpret original fictional paper design cards. Do not build, test, buy, recommend, regulate, or deploy anything.

Cards. Card L names a fictional goal and one measured model outcome. Card M names a durability tradeoff and uncertainty. Card N lists affected groups and a missing boundary condition.

1. What is a goal in a design model?

2. What is a constraint?

3. What is a tradeoff?

4. What direct evidence does Card L provide?

5. What does Card L not establish?

6. Why must Card M's uncertainty remain visible?

7. What does a durability label require before comparison?

8. Name one possible affected group from Card N.

9. Why does naming a group not speak for that group?

10. What boundary is missing from Card N?

11. Why can a favorable model outcome still be insufficient for a decision?

12. What evidence could challenge Card L?

13. State one value that cannot be inferred from a chemical measurement alone.

14. Explain why constraints are not merely technical details.

15. Write one question about distribution of benefits or burdens.

16. Write one question about uncertainty or reversibility.

17. Compare an evidence claim with a recommendation.

18. Draft a bounded summary of Cards L and M.

19. State one real-world action the cards cannot authorize.

20. Write a two-sentence responsible-innovation reflection.
