

## LS-TMP-005 Decision Matrix Template

Lock LockwoodSTEM template for evidence-based concept selection. Suggested score: 1 = weak, 3 = acceptable, 5 = strong.

Criterion	Description	Weight	Concept A Score	Concept A Weighted	Concept B Score	Concept B Weighted	Concept C Score	Concept C Weighted	Concept D Score	Concept D Weighted
Meets requirements	How well does the concept satisfy the design requirements?	5								
Manufacturability	Can the team build it with available tools/materials?	4								
Reliability	Is it likely to work repeatedly and safely?	4								
Cost / Material use	Does it use reasonable materials and quantities?	3								
Documentation clarity	Can the design be clearly explained and reproduced?	3								
Innovation	Does the concept solve the problem in a creative or effective way?	2								
Weighted Total										
Rank (1 = best)										
Evidence / Notes										

Evidence-based decision: The highest score is not automatically the final choice. Use test evidence, constraints, safety, and team reasoning before selecting a concept.