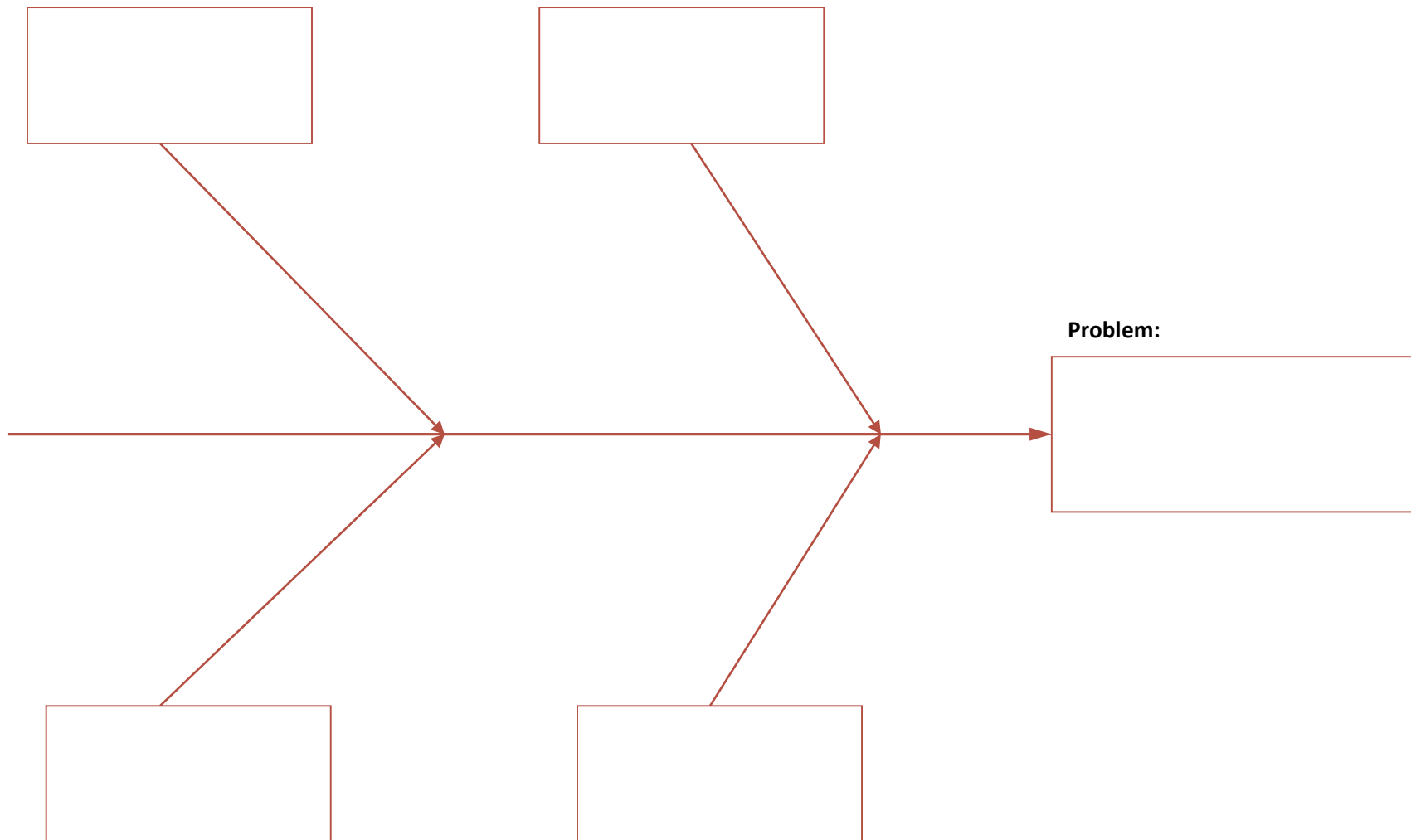


20 Reasons Template

Problem:

#	Possible Explanation	Root Cause?
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Fishbone Diagram Template





Problem of Practice Template

Final cause statement:

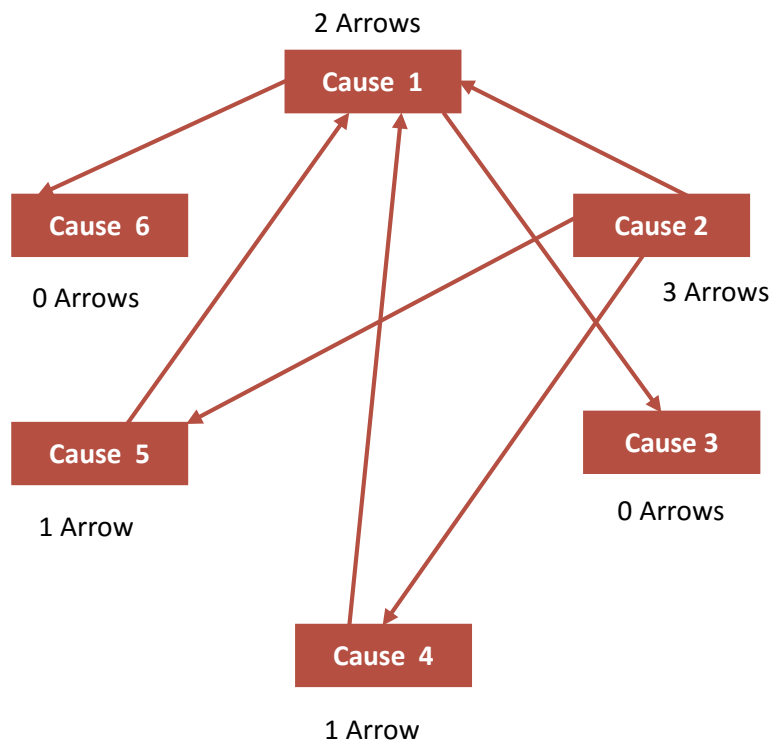
Practices that could result in the cause of the problem:

Final problem(s) of practice (those that could be addressed through one initiative):

Part 3: Identifying Control

8. You should now have a diagram on the chart paper with multiple lines running between causes and arrowheads on the lines indicating which causes have the greatest influence over their related causes. Note that some causes may not be related to any of the other causes. No line will be connected to these causes.
9. Count the number of arrowheads going away from each of the causes and record the number next to the cause. Rank order the causes based on these numbers (e.g., most arrowheads away to least arrowheads away).
10. The cause with the most arrowheads going away from it has the most effect on all the others. Thus, when addressed, this cause will have the greatest impact on the identified problem.

Interrelationship Chart Example



In this example¹, the causes can be rank ordered as follows based on the number of arrowheads going away.

Cause 2	3 arrowheads
Cause1	2 arrowheads
Cause4	1 arrowhead
Cause5	1 arrowhead
Cause3	0 arrowheads
Cause 6	0 arrowheads

Based on this rank ordering, Cause 2 has the greatest impact on the other causes followed by Cause 1. Causes 4 and 5 have a smaller impact on the other causes and Causes 3 and 6 have no perceived impact. This analysis suggests that Cause 2 and Cause 1, if appropriately addressed, will have the largest impact on the problem.

¹ Adapted from Quality in Education, Inc.

Significance and Control Matrix Template

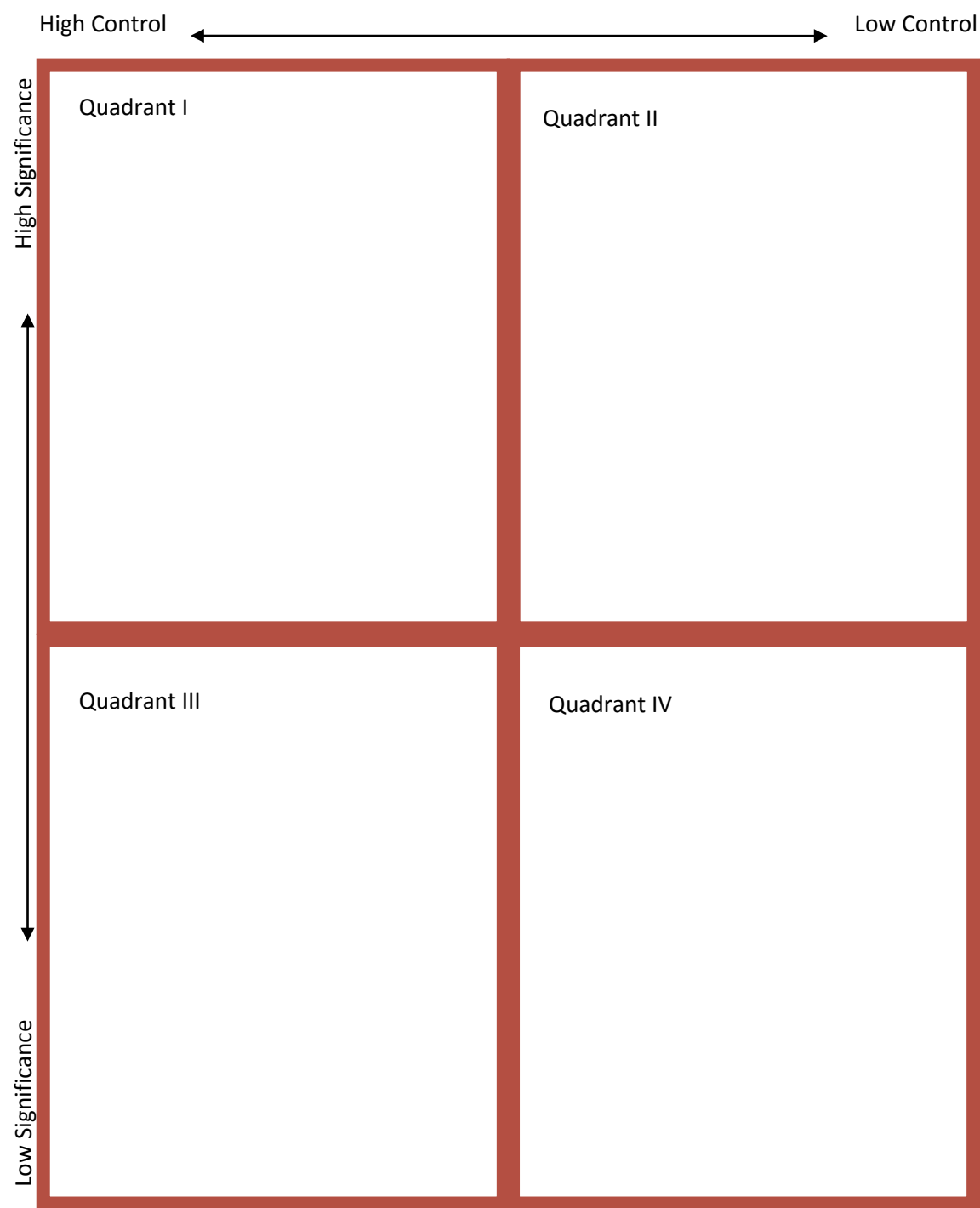


Figure 1. Charting Significance and Control

Logic Model Template

Logic Model	
Learner-Centered Problem Statement:	Measurable Desired End State:
Problem of Practice Statement :	Measurable Desired End State:
If we successfully implement these strategies to address the problem of practice	Then we can expect to reach the measurable objectives related to each strategy. If each objective is reached, Then the problem of practice improvement target will be attained. If the problem of practice improvement target is attained, Then the learner-centered problem measurable desired end state should be met.
Strategy 1	Objective 1
	Objective 2
Strategy 2	Objective 1
	Objective 2
Strategy ...	Objective 1
	Objective 2