



International Lean Six Sigma Institute
Yellow Belt Body of Knowledge

1. History of Lean and Six Sigma
2. What is the purpose of Lean Six Sigma ?
3. What is a process?
4. Cause & Effect / Fishbone Diagrams
5. Principles of Lean (5 principles from 'Lean Thinking' (Womack & Jones + Respect for Worker)
6. Principles of Six Sigma (Reduce Variation / Reduce Defects. Data Driven Decisions)
7. SIPOC
8. Process Mapping
9. Value Stream Mapping (basic understanding)
10. DMAIC (basic understanding)
11. PDCA (basic understanding)
12. Kaizen and Kaizen Events (basic understanding)
13. Root Cause Analysis (basic understanding)
14. Voice of the Customer and Business
15. Kano Analysis
16. Lean Six Sigma Belt Roles and Responsibilities
17. Gemba and Gemba Walks
18. Critical to Quality (CTQ)
19. The 8 Elements of Waste: DOWNTIME
20. 5S
21. Visual Management
22. Quick Change over / SMED (basic understanding)
23. Kanban (basic definition)
24. Poka-Yoke (Mistake Proofing)
25. Standardised Work
26. 7-Quality Tools (of Ishikawa)
27. Pareto Analysis
28. Normal Distribution (basic definition)
29. Run Charts and Control Chart (basic understanding)
30. Histograms (basic understanding)
31. Scatter Plots (basic understanding) (**OPTIONAL**)