Level 2 to Level 6 Lean Improvement Apprenticeships Knowledge, Skills & Behaviour mapping sheet

Knowledge

LEVEL 2 - Lean Manufacturing Operative	KSB	UCE Code
Environmental	K2	TKSWB01
Production	K3	TKSWB02
Communications	K8	TKSWB03
Workplace organisation	K9	TKSWB04
Continuous Improvement	K7	TKSWB05
Lean Manufacturing Operations	K4	TKSWB06
Quality Control	K5	TKSWB07
Problem Solving	K6	TKSWB08
Health & Safety	K1	TKSWB09

LEVEL 3 - Improvement Technician	KSB	UCE Code
Compliance	K1	TKSYB01
Team formation & leadership	K2	TKSYB02
Self-development	K3	TKSYB03
Project management	K4	TKSYB04
Change management	K5	TKSYB05
Principles & methods for Improvement	K6	TKSYB06
Project selection & scoping	K7	TKSYB07
Problem definition	K8	TKSYB08
Process mapping & analysis	K9	TKSYB09
Data acquisition for analysis	K10	TKSYB10
Basic statistics & measures	K11	TKSYB11
Process capability & performance	K12	TKSYB12
Root cause analysis	K13	TKSYB13
Experimentation & optimisation	K14	TKSYB14
Identification & prioritisation	K15	TKSYB15
Sustainability & control	K16	TKSYB16

LEVEL 4 - Improvement Practitioner	KSB	UCE Code
Compliance	K1	TKSGB01
Team formation & leadership	K2	TKSGB02
Presentation & reporting	K4	TKSGB03
Project management	K3	TKSGB04
Change management	K5	TKSGB05
Principles & methods for Improvement	K6	TKSGB06
Project selection & scoping	K7	TKSGB07
Problem definition	K8	TKSGB08
Process mapping & analysis	K9	TKSGB09
Data analysis	K10	TKSGB10
Basic statistics & measures	K12	TKSGB11
Process capability & performance	K14	TKSGB12
Root cause analysis	K15	TKSGB13
Experimentation & optimisation	K16	TKSGB14
Identification & prioritisation	K17	TKSGB15
Sustainability & control	N/A	TKSGB16
Measurement system analysis	K11	TKSGB17
Data analysis & statistical methods	K13	TKSGB18

LEVEL 5 - Improvement Specialist	KSB	UCE Code
Compliance & Commercial environment	K5	TKSBB01
Team formation & leadership	K1	TKSBB02
Presentation & reporting	N/A	TKSBB03
Project management & planning	K2	TKSBB04
Change management & planning	K4	TKSBB05
Principles & methods for Improvement	K6	TKSBB06
Project selection, scoping, reviewing & coaching	K3	TKSBB07
Problem definition & Business benefits	N/A	TKSBB08
Process mapping & analysis	K8	TKSBB09
Data analysis	K9	TKSBB10
Statistics & measures	K10	TKSBB11
Process capability & performance	K13	TKSBB12
Root cause analysis	K14	TKSBB13
Experimentation & optimisation	K15	TKSBB14
Identification & prioritisation	K16	TKSBB15
Sustainability & control	K18	TKSBB16
Measurement system analysis	K12	TKSBB17
Data analysis & statistical methods	N/A	TKSBB18
Lean concepts & tools	K11	TKSBB19
Failure mode avoidance	K17	TKSBB20
Voice of the customer (VoC)	K7	TKSBB21

LEVEL 6 - Improvement leader	KSB	UCE Code
Compliance & Strategy development	K1	TKSMB01
Team formation & leadership	K3	TKSMB02
Presentation & reporting	K5	TKSMB03
Project management & planning	N/A	TKSMB04
Change management & planning	N/A	TKSMB05
Principles & methods for Improvement	N/A	TKSMB06
Project selection, scoping, reviewing & coaching	K6	TKSMB07
Problem definition & Business benefits	K2	TKSMB08
Process mapping & analysis	N/A	TKSMB09
Data analysis	N/A	TKSMB10
Statistics & measures	N/A	TKSMB11
Process capability & performance	N/A	TKSMB12
Root cause analysis	N/A	TKSMB13
Experimentation & optimisation	K9	TKSMB14
Identification & prioritisation	N/A	TKSMB15
Sustainability & control	N/A	TKSMB16
Measurement system analysis	K7	TKSMB17
Data analysis & statistical methods	K8	TKSMB18
Lean concepts & tools	N/A	TKSMB19
Failure mode avoidance	N/A	TKSMB20
Voice of the customer (Voice)	N/A	TKSMB21
Self-development	K4	TKSMB22

Skills

Lean Manufacturing Operative	KSB	UCE Code
Environmental	S2	TWSWB01
Production	S3	TWSWB02
Communications	S8	TWSWB03
Workplace organisation	S9	TWSWB04
Continuous Improvement	S7	TWSWB05
Lean Manufacturing Operations	S4	TWSWB06
Quality Control	S5	TWSWB07
Problem Solving	S6	TWSWB08
Health & Safety	S1	TWSWB09

Improvement Technician	KSB	UCE Code
Compliance	S1	TWSYB01
Communication	S2	TWSYB02
Voice of the customer (VoC)	S8	TWSYB03
Project management	S3	TWSYB04
Change management	S4	TWSYB05
Principles & methods for Improvement	S5	TWSYB06
Project selection & scoping	S6	TWSYB07
Problem definition	S7	TWSYB08
Process mapping & analysis	S9	TWSYB09
Data acquisition for analysis	S11	TWSYB10
Basic statistics & measures	S12	TWSYB11
Process capability & performance	S14	TWSYB12
Root cause analysis	S15	TWSYB13
Lean tools	S10	TWSYB14
Identification & prioritisation	S16	TWSYB15
Sustainability & control	S18	TWSYB16
Data analysis & statistical methods	S13	TWSYB17
Benchmarking	S17	TWSYB18

Improvement Practitioner	KSB	UCE Code
Compliance	S1	TWSGB01
Communication	S2	TWSGB02
Voice of the Customer (VoC)	S9	TWSGB03
Project management	S4	TWSGB04
Change management	S5	TWSGB05
Principles & methods for Improvement	S6	TWSGB06
Project selection & scoping	S7	TWSGB07
Problem Definition	S8	TWSGB08
Process mapping & analysis	S10	TWSGB09
Data acquisition for analysis	S13	TWSGB10
Basic statistics & measures	S14	TWSGB11
Process capability & performance	S16	TWSGB12
Root cause analysis	S17	TWSGB13
Lean tools	S11	TWSGB14
Identification & prioritisation	S19	TWSGB15
Sustainability & control	N/A	TWSGB16
Data analysis & statistical methods	S15	TWSGB17
Benchmarking	S21	TWSGB18
Measurement system analysis	S12	TWSGB19
Experimentation & Optimisation	S18	TWSGB20
Coaching	S3	TWSGB21
Data analysis - Statistical Process Control (SPC)	S20	TWSGB22

Improvement Specialist	KSB	UCE Code
Compliance	N/A	TWSBB01
Communication	S3	TWSBB02
Voice of the Customer (VoC)	N/A	TWSBB03
Project management & planning	S5	TWSBB04
Change management & planning	S6	TWSBB05
Principles & methods for Improvement	S7	TWSBB06
Project selection & scoping	S8	TWSBB07
Problem Definition	N/A	TWSBB08
Process mapping & analysis	S9	TWSBB09
Data acquisition for analysis	N/A	TWSBB10
Statistics & measures	S12	TWSBB11
Process capability & performance	S14	TWSBB12
Root cause analysis	S15	TWSBB13
Lean tools	S10	TWSBB14
Identification & prioritisation	N/A	TWSBB15
Sustainability & control	S20	TWSBB16
Data analysis & statistical methods	S13	TWSBB17
Benchmarking	S18	TWSBB18
Measurement system analysis	S11	TWSBB19
Experimentation & optimisation	S16	TWSBB20
Capability Development	S4	TWSBB21
Data analysis - Statistical Process Control (SPC)	S17	TWSBB22
Failure mode avoidance	S19	TWSBB23
Leading improvement teams	S1	TWSBB24
Strategic Deployment of Continuous Improvement	S2	TWSBB25

Improvement leader	KSB	UCE Code
Compliance	N/A	TWSMB01
Communication	N/A	TWSMB02
Voice of the Customer (VoC)	S12	TWSMB03
Project management & planning	S5	TWSMB04
Change management & planning	S8	TWSMB05
Principles & methods for Improvement	S9	TWSMB06
Project selection & scoping	S10	TWSMB07
Problem Definition	S11	TWSMB08
Process mapping & analysis	S13	TWSMB09
Data acquisition for analysis	S15	TWSMB10
Statistics & graphical analysis	S16	TWSMB11
Process capability & performance	S17	TWSMB12
Root cause analysis	S18	TWSMB13
Lean concepts & tools	S14	TWSMB14
Identification & prioritisation	S20	TWSMB15
Sustainability & control	N/A	TWSMB16
Data analysis & statistical methods	N/A	TWSMB17
Benchmarking	S23	TWSMB18
Measurement system analysis	N/A	TWSMB19
Experimentation, optimisation & simulation	S19	TWSMB20
Reviewing projects & coaching others	S6	TWSMB21
Data analysis - Statistical Process Control (SPC)	S22	TWSMB22
Failure mode avoidance	S21	TWSMB23
Team formation & leadership	S3	TWSMB24
Strategic Deployment of Continuous Improvement	S1	TWSMB25
Presentation & reporting	S7	TWSMB26
Business benefits	S2	TWSMB27
Capability Development	S4	TWSMB28

Behaviours

Lean Manufacturing Operative	KSB	UCE Code
Punctual, reliable and takes responsibility for their own actions.	B1	TPKWB01
Show respect for others, having regard for diversity and equality.	B2	TPKWB02
Respond positively to change in the working environment.	B3	TPKWB03
Integrates within the team and supports others.	B4	TPKWB04
Can work independently and effectively in challenging situations.	B5	TPKWB05
Maintains quality of work under pressure.	B6	TPKWB06
An open and honest communicator.	B7	TPKWB07
Listens to other people's opinions.	B8	TPKWB08
A positive and respectful attitude.	B9	TPKWB09
Follows instructions and guidance and demonstrates attention to detail.	B10	TPKWB10
Seeks opportunities to develop and adapt to different situations,	B11	TPKWB11

Improvement Technician	KSB	UCE Code
Drive for results	B1	TPKYB01
Team-working	B2	TPKYB02
Professionalism	B3	TPKYB03
Continuous development	B4	TPKYB04
Safe working	B5	TPKYB05

Improvement Practitioner	KSB	UCE Code
Drive for results	B1	TPKGB01
Team-working	B2	TPKGB02
Professionalism	B3	TPKGB03
Continuous Development	B4	TPKGB04
Safe Working	B5	TPKGB05

Improvement Specialist	KSB	UCE Code
Drive for results	B1	TPKBB01
Team-working	B2	TPKBB02
Professionalism	B3	TPKBB03
Continuous development	B5	TPKBB04
Safe working	B6	TPKBB05
Process Thinking	B4	TPKBB06

Improvement leader	KSB	UCE Code
Drive for results	B1	TPKMB01
Team-working	B2	TPKMB02
Professionalism	B3	TPKMB03
Strategic Thinking	B4	TPKMB04
Safe working	B5	TPKMB05
Process Thinking	B6	TPKBB06