



Chapter-to-Lab Curriculum Map — DMBOK Chapters 1–17

How each chapter becomes a concrete Meridian Commerce Group experience

CDMP DMBOK Mastery Lab • Applied Learning Companion Program

Important source rule: This document is a curriculum design map, not a replacement for the DMBOK. The “applied idea” anticipates what type of lab should make a chapter concrete based on the existing 00A chapter plan. The final lab for a chapter must be source-checked against that chapter PDF before use.

Curriculum overview

The chapters should not all become SQL labs. Code is used when code makes the concept observable; decision, governance, document, architecture, maturity and change labs use the medium that best represents the chapter. The company remains constant so later work reuses and complicates earlier work.

Ch.	DMBOK area	Primary lab mode	Technical intensity	Cumulative role
1	Data Management	Orientation / enterprise diagnosis	Medium	Builds on prior Meridian state
2	Data Handling Ethics	Decision / ethical dilemma	Low	Builds on prior Meridian state
3	Data Governance	Operating model / decision rights	Low	Builds on prior Meridian state
4	Data Architecture	Architecture / current-to-target	Medium	Builds on prior Meridian state
5	Data Modeling and Design	Model → build	High	Builds on prior Meridian state
6	Data Storage and Operations	Operate / recover	High	Builds on prior Meridian state
7	Data Security	Classify / restrict / test	High	Builds on prior Meridian state
8	Data Integration and Interoperability	Ingest / transform / trace	High	Builds on prior Meridian state
9	Document and Content Management	Content lifecycle / retention	Medium	Builds on prior Meridian state
10	Reference and Master Data	Match / master / control	High	Builds on prior Meridian state
11	Data Warehousing and Business Intelligence	Operational → analytical	High	Builds on prior Meridian state

Ch.	DMBOK area	Primary lab mode	Technical intensity	Cumulative role
12	Metadata Management	Catalog / define / trace	High	Builds on prior Meridian state
13	Data Quality Management	Profile / break / repair / prevent	High	Builds on prior Meridian state
14	Big Data and Data Science	Scale / format awareness	High	Builds on prior Meridian state
15	Data Management Maturity Assessment	Assess / evidence / roadmap	Medium	Builds on prior Meridian state
16	Data Management Organization and Role	Role / accountability	Low	Builds on prior Meridian state
17	Data Management and Organizational Change	Adopt / transition	Low	Builds on prior Meridian state

Chapter 1 — Data Management

 **Applied objective:** Inventory Meridian data assets; classify value and risk; distinguish business/data/technology problems; map a data lifecycle; draft a small Data Management charter/strategy/roadmap; establish the starting baseline.

Dimension	Plan
Primary lab mode	Orientation / enterprise diagnosis
What you will produce	Spreadsheet inventory, lifecycle map, issue register, baseline roadmap
Technology / medium	Primarily management + light SQL inspection
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 1 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 2 — Data Handling Ethics

 **Applied objective:** Analyze proposed customer profiling, employee analytics, third-party sharing, secondary use and online-data scenarios. Identify stakeholders, harms, missing context, ethical concerns and governance responses.

Dimension	Plan
Primary lab mode	Decision / ethical dilemma

Dimension	Plan
What you will produce	Decision memos, ethical issue log, stakeholder analysis
Technology / medium	No forced coding; optional SQL only to inspect what data exists
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 2 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Do not force code:** The learning target is judgment and organizational reasoning. Technical artifacts may provide evidence, but programming is not the point of this chapter.

Chapter 3 — Data Governance

 **Applied objective:** Create governance roles, council structure, stewardship assignments, issue escalation, policy/standard examples and governance measures. Resolve a live definition dispute between Sales and Finance.

Dimension	Plan
Primary lab mode	Operating model / decision rights
What you will produce	Governance charter, role/RACI map, issue workflow, policy/standard artifacts
Technology / medium	Docs/Sheets + database metadata inspection
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 3 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Cross-chapter potential:** This is a strong interleaving chapter. The final lab should deliberately reactivate selected earlier concepts (for example governance, modeling, metadata, quality or integration) without turning every exercise into an artificial all-chapter case.

Chapter 4 — Data Architecture

 **Applied objective:** Map Meridian source systems, stores and data flows; draw current-state and target-state architecture; trace Customer/Product/Order data; identify duplication, coupling, ownership and integration risks.

Dimension	Plan
Primary lab mode	Architecture / current-to-target
What you will produce	Current/target diagrams, source-system matrix, architecture decisions
Technology / medium	diagrams.net + DBeaver + SQL metadata
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 4 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 5 — Data Modeling and Design

 **Applied objective:** Move from conceptual to logical to physical model for core commerce entities. Implement tables, relationships, keys, constraints and naming choices; test what breaks when integrity rules are absent.

Dimension	Plan
Primary lab mode	Model → build
What you will produce	ERDs, PostgreSQL DDL, model decision log, integrity tests
Technology / medium	SQL + PostgreSQL + DBeaver
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 5 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Cross-chapter potential:** This is a strong interleaving chapter. The final lab should deliberately reactivate selected earlier concepts (for example governance, modeling, metadata, quality or integration) without turning every exercise into an artificial all-chapter case.

Chapter 6 — Data Storage and Operations

 **Applied objective:** Work with schemas, tables, views, indexes at awareness/practical depth, transactions, backup/restore in a lab-safe way, change validation, environment separation and operational evidence.

Dimension	Plan
Primary lab mode	Operate / recover
What you will produce	Operations runbook, validation queries, backup/rebuild evidence
Technology / medium	PostgreSQL + DBeaver + PowerShell
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 6 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 7 — Data Security

 **Applied objective:** Classify columns; create lab users/roles; grant/revoke access; build a CRUD/access matrix; expose only necessary columns via views; test least privilege; record access-control evidence.

Dimension	Plan
Primary lab mode	Classify / restrict / test
What you will produce	Classification register, access matrix, SQL role scripts, access-test evidence
Technology / medium	PostgreSQL roles/views + DBeaver
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 7 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 8 — Data Integration and Interoperability

 **Applied objective:** Load CRM CSV, OMS relational data and service JSON into staging; standardize formats; transform/join; document source-to-target mapping; build lineage; break a source format and repair the pipeline.

Dimension	Plan
Primary lab mode	Ingest / transform / trace
What you will produce	Staging tables, SQL/Python transforms, mapping spec, lineage evidence
Technology / medium	SQL + Python/pandas + PostgreSQL

Dimension	Plan
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 8 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Cross-chapter potential:** This is a strong interleaving chapter. The final lab should deliberately reactivate selected earlier concepts (for example governance, modeling, metadata, quality or integration) without turning every exercise into an artificial all-chapter case.

Chapter 9 — Document and Content Management

 **Applied objective:** Manage synthetic contracts, policies, invoices, product documents and service content; assign metadata and controlled vocabulary; design retention/disposition rules; simulate an e-discovery request.

Dimension	Plan
Primary lab mode	Content lifecycle / retention
What you will produce	Content inventory, metadata profile, retention schedule, discovery response
Technology / medium	Drive/Docs + metadata registers; no unnecessary ECM platform
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 9 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 10 — Reference and Master Data

 **Applied objective:** Reconcile three conflicting customer sources; define match and survivorship rules; produce a trusted customer view; separate master entities from controlled reference lists; manage code changes/hierarchies.

Dimension	Plan
Primary lab mode	Match / master / control
What you will produce	Match results, survivorship decisions, master table/view, reference tables

Dimension	Plan
Technology / medium	SQL + PostgreSQL + Python/pandas
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 10 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Cross-chapter potential:** This is a strong interleaving chapter. The final lab should deliberately reactivate selected earlier concepts (for example governance, modeling, metadata, quality or integration) without turning every exercise into an artificial all-chapter case.

Chapter 11 — Data Warehousing and Business Intelligence

 **Applied objective:** Design a small star schema; load facts/dimensions from operational data; calculate business measures; build a dashboard; demonstrate why operational and analytical structures serve different purposes.

Dimension	Plan
Primary lab mode	Operational → analytical
What you will produce	Star schema, load SQL, KPI definitions, dashboard
Technology / medium	PostgreSQL + SQL + Metabase
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 11 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Cross-chapter potential:** This is a strong interleaving chapter. The final lab should deliberately reactivate selected earlier concepts (for example governance, modeling, metadata, quality or integration) without turning every exercise into an artificial all-chapter case.

Chapter 12 — Metadata Management

 **Applied objective:** Catalog the lab assets already built: business definitions, technical metadata, owners/stewards, classifications, lineage and source/target context. Distinguish glossary, dictionary and catalog using real Meridian assets.

Dimension	Plan
Primary lab mode	Catalog / define / trace
What you will produce	Glossary, data dictionary, catalog register, lineage maps
Technology / medium	Sheets/Docs first; later optional OpenMetadata
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 12 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Cross-chapter potential:** This is a strong interleaving chapter. The final lab should deliberately reactivate selected earlier concepts (for example governance, modeling, metadata, quality or integration) without turning every exercise into an artificial all-chapter case.

Chapter 13 — Data Quality Management

 **Applied objective:** Inject duplicates, nulls, invalid references, stale values, impossible quantities and inconsistent codes. Profile; define quality rules/dimensions; measure; find root causes; repair; add preventive checks; compare before/after.

Dimension	Plan
Primary lab mode	Profile / break / repair / prevent
What you will produce	DQ rulebook, profiling results, issue log, remediation SQL/Python, scorecard
Technology / medium	SQL + Python/pandas + PostgreSQL; optional OpenMetadata later
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 13 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Cross-chapter potential:** This is a strong interleaving chapter. The final lab should deliberately reactivate selected earlier concepts (for example governance, modeling, metadata, quality or integration) without turning every exercise into an artificial all-chapter case.

Chapter 14 — Big Data and Data Science

 **Applied objective:** Generate a larger click/event dataset in JSON/Parquet; query it with DuckDB/Python; compare management characteristics with relational transactional data; focus on recognition and governance implications, not ML training.

Dimension	Plan
Primary lab mode	Scale / format awareness
What you will produce	Event dataset, format comparison, query notebook, management note
Technology / medium	DuckDB + Python/pandas; concise by design
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 14 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 15 — Data Management Maturity Assessment

 **Applied objective:** Assess Meridian's original and improved states using evidence created across labs; identify capability gaps, strengths, dependencies and prioritized next actions.

Dimension	Plan
Primary lab mode	Assess / evidence / roadmap
What you will produce	Maturity assessment, evidence matrix, improvement roadmap
Technology / medium	Sheets/Docs + evidence repository
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 15 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 16 — Data Management Organization and Role

 **Applied objective:** Map actual lab activities to owners, stewards, architects, DB/data roles, consumers and decision bodies. Work incidents that ask who decides, who performs, who approves and who is consulted.

Dimension	Plan
Primary lab mode	Role / accountability
What you will produce	Role catalog, responsibility matrix, incident answers
Technology / medium	Docs/Sheets; cross-domain synthesis
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 16 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

Chapter 17 — Data Management and Organizational Change

 **Applied objective:** Roll out a new customer master, glossary, quality rules and governance process. Identify stakeholders, resistance, sponsorship, communications, training, adoption measures and transition risks.

Dimension	Plan
Primary lab mode	Adopt / transition
What you will produce	Change plan, stakeholder map, communications/training plan, adoption measures
Technology / medium	Docs/Sheets; human/change simulation
Carry-forward logic	Use artifacts/data from earlier Meridian labs wherever genuinely relevant; do not reset the company unless a lab intentionally requires a clean baseline.
DMBOK gate	Read and blueprint DMBOK Chapter 17 before finalizing this lab. Only the chapter source may establish DAMA-specific rules, roles, process names or required distinctions.

 **Do not force code:** The learning target is judgment and organizational reasoning. Technical artifacts may provide evidence, but programming is not the point of this chapter.

Suggested unlock pattern

Stage	Chapters	Applied focus
Foundation	1–4	Company diagnosis, ethics, governance and architecture — learn to see the enterprise before building.
Relational core	5–8	Model, implement, operate, secure and integrate the data environment.
Information products	9–13	Content, master/reference data, analytics, metadata and quality — build trust and context.
Scale & organizational synthesis	14–17	Big-data awareness, maturity, roles and change — assess and institutionalize the system.