CQE with Two Decks — Presenter Notes (

Full script, beats, branches, and printables.

This deck-based demo explains CQE using two playing-card decks as a physical, auditable machine.

CQE with Two Decks: Presenter Notes (Expanded)

A complete script with beats, timings, prop checklist, contingencies, and audience-specific branches. Goal: a 15-minute conversation that ends with a reproducible receipt (4-bit) and a clear next step.

Props & Setup (5 minutes before)

• Red deck (shuffled), Blue deck (factory order).
• Fine-tip markers (black, red, gold, blue), sticky notes, small ruler.
• Ledger printouts (5), Octet sheets (5), 4-bit strips (20).
• Timer/phone in silent mode.

Table layout: blue deck left, red right, ledger centered, octet sheet top-center.
Seed line to open: ‘We’ll use two decks as a pocket-sized lab for hard problems.’

Audience Profiles & Hooks

• Executive: cares about time-to-confidence, compliance. Hook: ‘Four checkboxes tell you when to ship.’
• Researcher: cares about rigor. Hook: ‘Eight views + mirror explain why your replication succeeds or fails.’
• Engineer: cares about reproducibility and repairs. Hook: ‘Δ-lifts log what changed and why it stays fixed.’
• Educator: cares about teachability. Hook: ‘Students can do this with $5 cards and learn real proof habits.’

Opening Script (90 seconds)

You: ‘Every team already A/B tests, mirrors something, tightens thresholds, and keeps logs. This system just does all four, in order, with receipts. Two decks let you see it.’
Deal four blue Aces; write primitives out loud. Invite them to name the labels.
Lay eight view cards in a ring. ‘This is coverage; we don’t stop at two.’

Beat Map (min-by-min)

0:00–1:30 Intro + Aces
1:30–3:00 Build octet views
3:00–6:00 Mirror a 3–4 card path; locate mismatch
6:00–8:00 Author a tiny Δ-lift; replay
8:00–10:00 Tighten one strict threshold; replay
10:00–12:00 Shade 4-bit; log receipts; name next test
12:00–15:00 Q&A fork (exec vs research vs engineer)

Branching Answers (common objections)

‘Eight is arbitrary.’ → ‘At n=5 the palindromic weave forces exactly eight legal insertions. We discovered 8; we didn’t pick it.’
‘This is toyish.’ → ‘That’s the point: full auditability. The same ledger scales to optics, bio, finance—only labels change.’
‘We need ML.’ → ‘Great—treat models as views. Mirror is train↔eval; Δ-lifts are feature/loss edits; strict is drift budget.’
‘Won’t slow us?’ → ‘The 4-bit speeds ‘No.’ If you can’t shade boxes, you don’t waste a sprint shipping half-proofs.’

Demonstration Script (detail)

1) Aces: ‘Name four primitives.’ As they answer, write units guards on sleeves (e.g., nm, e-, W, K). Invite them to veto any primitive—shows adversarial tolerance.

2) Octet: ‘Give me 8 ways to look.’ If they stall, seed 3; let them supply 5—ownership matters.
3) Mirror: Pick a pipeline. Speak the inverse first, then run it. If mismatch, circle the arc in red.
4) Δ-lift: Offer two tiny fixes; ask them to choose. Implement and replay.
5) Strict: ‘Let’s raise the bar a hair.’ Lower WFE, increase SNR, shorten window—one notch only.
6) Commit: Shade boxes; write 4-bit code; snap a phone pic of the page (their receipt).

Stagecraft & Tells

• Keep pens color-coded: red=Δ, gold=strict, blue=receipts.
• Put mismatching cards askew (visual tension), square them after Δ-lift (resolution cue).
• Use silence for 3 beats after a pass—let them feel the lock.

Contingencies

If they propose an unsafe domain → shift to stand-ins and redact specifics.
If they argue ‘we already do this,’ hand them the 4-bit strip: ‘Shade them now; if you can, you’re already CQE.’
If time runs out before commit → hand them a half-shaded strip and a mini ledger to finish later; book a follow-up.

Templates & Printables (end of file)

• 3× Ledger pages (A/B/C copies)
• 2× Octet overlays (colorable)
• Mirror checklist
• Δ-lift cookbook sheet
• Strict tracker
• 4-bit commit strips
• Sidecar tab labels (16)

Follow-Up Email (copy/paste)

Subject: Your CQE receipt and next step

Attaching today’s ledger (photo) and the 4-bit code we earned. Next step we proposed: <one concrete experiment>.
If you reply with your domain’s 8 views, I’ll return a pre-filled ledger. – <Your Name>

Appendix — Deep Cuts for Experts

• n=4→5 hinge: eight inequivalent insertions; 1 palindromic + 7 invariant classes.
• Construction-A shells: E8 at n=8; Leech legality at 24; two-slice codec at 32.
• Why receipts: 4-bit is the smallest reproducible token that prevents drift and prose inflation.
• Card formalism: jokers=Cartan subharmonics; faces=independent observers; 10=parity twin of 9.