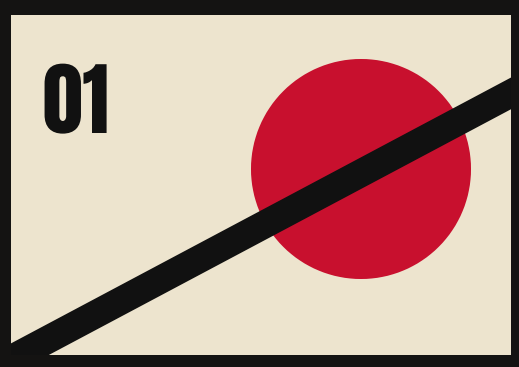
MOTORBLOOM

IIQ

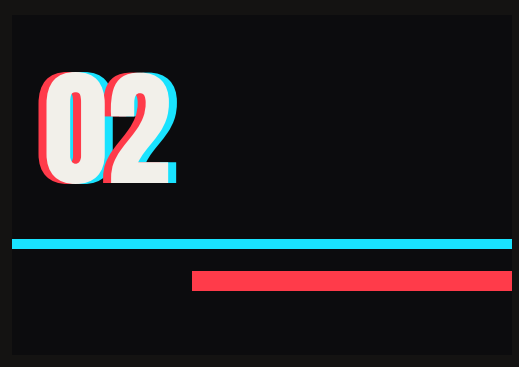
The Interface Intelligence Quotient™

THE POSTER ATLAS

Staying human at the boundary between us and our machines.



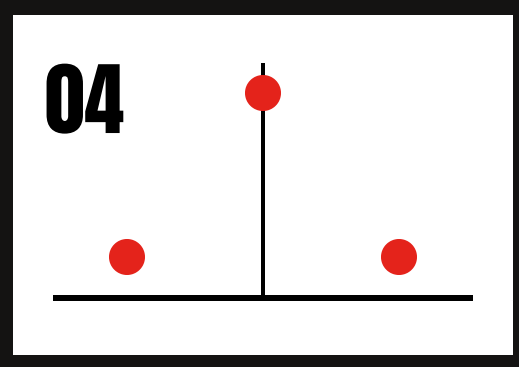
01 · Lineage



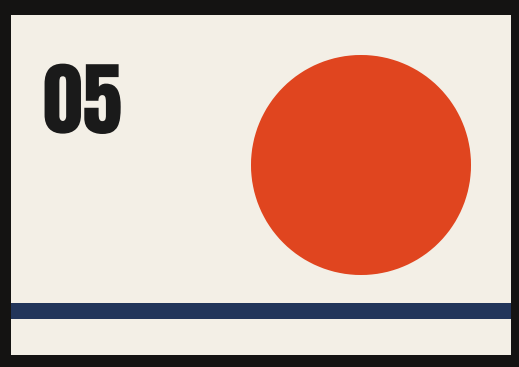
02 · Fracture map



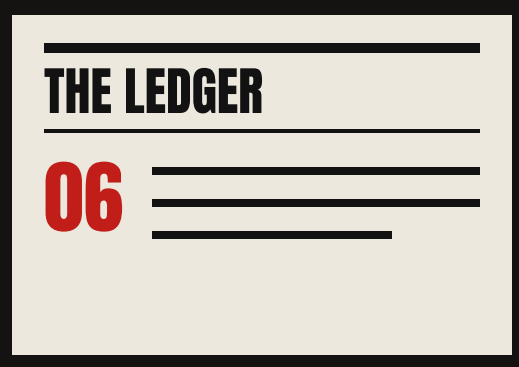
03 · Five muscles



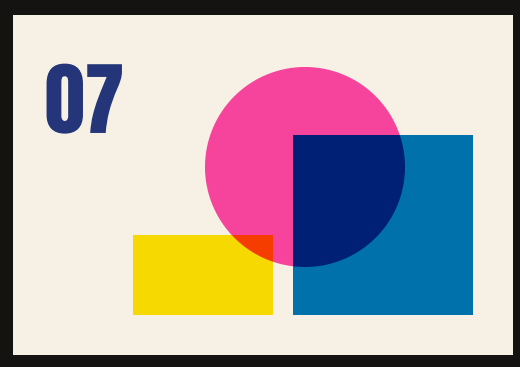
04 · Development terrain



05 · Where IIQ lives



06 · Case atlas



07 · Rituals



08 · Profile

Notice the fracture.
Slow the tempo.
Keep the question open.

Ethics · Intuition · Tempo
Curiosity · Synthesis
THE FIVE MUSCLES

Eight plates.
Eight poster idioms.
One literacy.

“The question isn’t whether AI will work.
It’s whether we will.”

CHRIS A. PIAZZA

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MOTORBLOOM

About This Atlas

IIQ began as a field guide for discernment: a way to notice the fractures already running through hospitals, classrooms, workplaces and governments, and to practice staying human in the middle of them. This atlas is its visual companion. The book's frameworks are drawn out as eight posters, each set in a graphic idiom chosen to fit its idea.

How to use it

Read the plates in order, or start where you are. **01–02** set the stakes. **03–04** lay out the framework. **05–06** put it to work in real cases. **07–08** turn it into daily practice.

◇ marks a proposed addition that fills a gap in the manuscript.
* marks a case already told in the book.

Contents

01	From IQ to IIQ	Constructivist
02	The Interface Fracture	Glitch
03	Five Muscles	Bauhaus
04	Development Is a Map	Swiss
05	Where IIQ Lives	Japanese modernist
06	Collapse or Resonance	Broadsheet
07	Rituals	Risograph
08	A Mirror, Not a Scorecard	Op art
—	Closing: The Five Principles	Afterword

What this is, and isn't

IIQ is an emerging literacy, not a peer-reviewed psychometric test. The self-assessment on Plate 08 is a mirror for reflection, not a diagnosis or a hiring tool. The cases summarize public reporting checked in November 2026. Details can change, so go to the original sources before you cite them.

"That pause is the point. The pause is where discernment begins."

— CHRIS A. PIAZZA, AUTHOR'S NOTE

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Motorbloom is a series by Chris A. Piazza. Published by Developing Vision, LLC. · theiiq.com

FROM IQ TO IIQ.

EVERY QUOTIENT EMERGED AT A FRACTURE

Each age rewarded a new literacy. Each literacy answered a break in how humans live with their machines.

IQ

INDUSTRIAL REVOLUTION
Fractured: the body
Lived with: machines of steel
Told us who could **calculate**

DIGITAL REVOLUTION

EQ

INFORMATION AGE
Fractured: the economy
Lived with: machines of information
Told us who could **collaborate**

CQ

GLOBALIZATION
Fractured: the economy (same break)
Lived with: machines of information
Told us who could **adapt**

THE HINGE GENERATION

Last to remember life before AI. First to decide what life with AI will mean. If IQ is how you think, EQ how you feel and CQ how you relate, IIQ is how you **interface**.

IIQ

INTERFACE REVOLUTION
Fractures: perception itself
Lives with: machines of perception
Tells us who can **discern**

IIQ ATLAS // PLATE 02 / 08 // FRACTURE MAP

THE INTERFACE FRACTURE

Industry fractured the body. Digital fractured the economy. The Interface Age fractures **perception** — in three repeating patterns.

01 / PERCEPTUAL FLUENCY™

The smoother it is, the truer it feels.

2024 · Arup, Hong Kong — Every face on a video call, “CFO” included, was a deepfake. The clerk set his doubts aside and sent HK$200M (~US$25.6M) in 15 transfers.
2024 · Moffatt v. Air Canada — The airline’s chatbot invented a retroactive bereavement refund. A tribunal held the airline liable for its bot.
2023 · Mata v. Avianca — A legal brief cited six court opinions ChatGPT had made up. Sanction: $5,000.

ANSWERED BY

CURIOSITY INTUITION

Treat polish as a cue to check, not a reason to trust.

02 / GASLIT BY STATISTICS™

Precision without fairness still distorts.

2015-19 · Robodebt, Australia — Yearly income averaged into fortnights produced welfare “debts” people didn’t owe. A Royal Commission (2023) called it “crude and cruel.”
2021 · Dutch childcare benefits — A risk-scoring model fed false fraud findings against thousands of parents. The cabinet resigned.
2020 · Ofqual A-levels, England — A grading model lowered ~40% of teacher-assessed grades, poorer students hardest. Reversed within days.

ANSWERED BY

ETHICS SYNTHESIS

Ask what the proxy stands in for, and who it leaves out.

03 / IDENTITY IN BETA™

Always tested. Never grounded.

2019 · Instagram internal research (reported 2021) — Of teen girls who already felt bad about their bodies, 32% said the app made them feel worse.
Ongoing · Recommendation loops — Feeds that tune the self toward whatever performs; creative work drifting toward trend.

ANSWERED BY

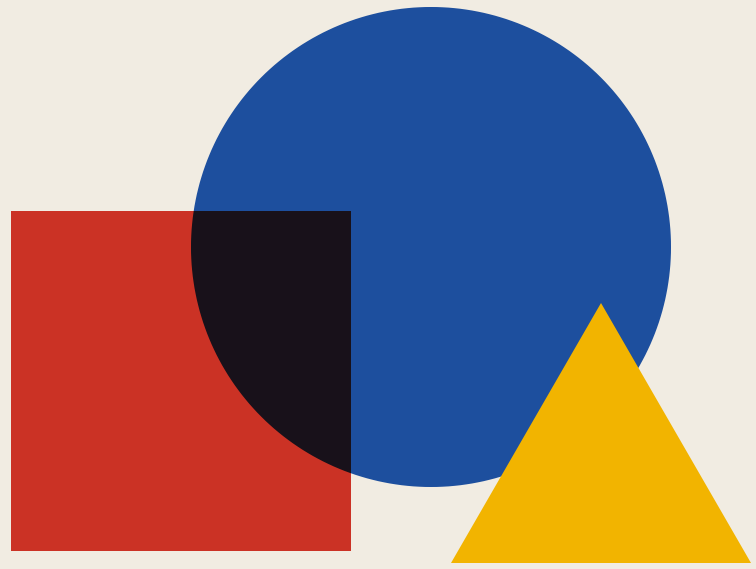
◇ NOTHING YET

Ch. 3 names “hold identity steady” as a core capacity, but no muscle carries it. Proposed: fold it into Intuition, or add a sixth muscle.

These distortions aren’t errors. They are structural features of the Interface Age.

◇ = proposed addition

five muscles



One literacy, five trainable muscles. Read each row across: what the muscle asks, the principle it serves, its champion, the ritual that trains it, and how organizations fail without it.

MUSCLE	PRINCIPLE	ARCHETYPE	RITUAL	WITHOUT IT
Ethics Asks *should we?* when machines answer *can we?*	Values before optimization	The Ethicist	Compass Checks · Satirical Audits	Optimization Traps
Intuition Trusts human sense alongside machine data	Context before metrics ◇	◇ The Sense-Keeper	Glitch Games · Interface Rounds	Dashboard Drowning ◇
Tempo Resists acceleration to restore rhythm	Clarity before speed	The Tempo-Keeper	Friction Rituals · 24-Hour Rule	Tempo Tyranny
Curiosity Keeps questions alive when AI offers closure	Questions before closure	The Question-Keeper	Glitch Games · Satirical Audits	Curiosity Collapse
Synthesis Weaves human nuance with machine scale	Synthesis before deferral	The Synthesizer	Compass Checks	◇ Either/Or Collapse

Any muscle alone goes wrong

Ethics without Curiosity → rigidity

◇ **Tempo** without Curiosity → stalling

Intuition without Tempo → recklessness

◇ **Curiosity** without Synthesis → endless questions

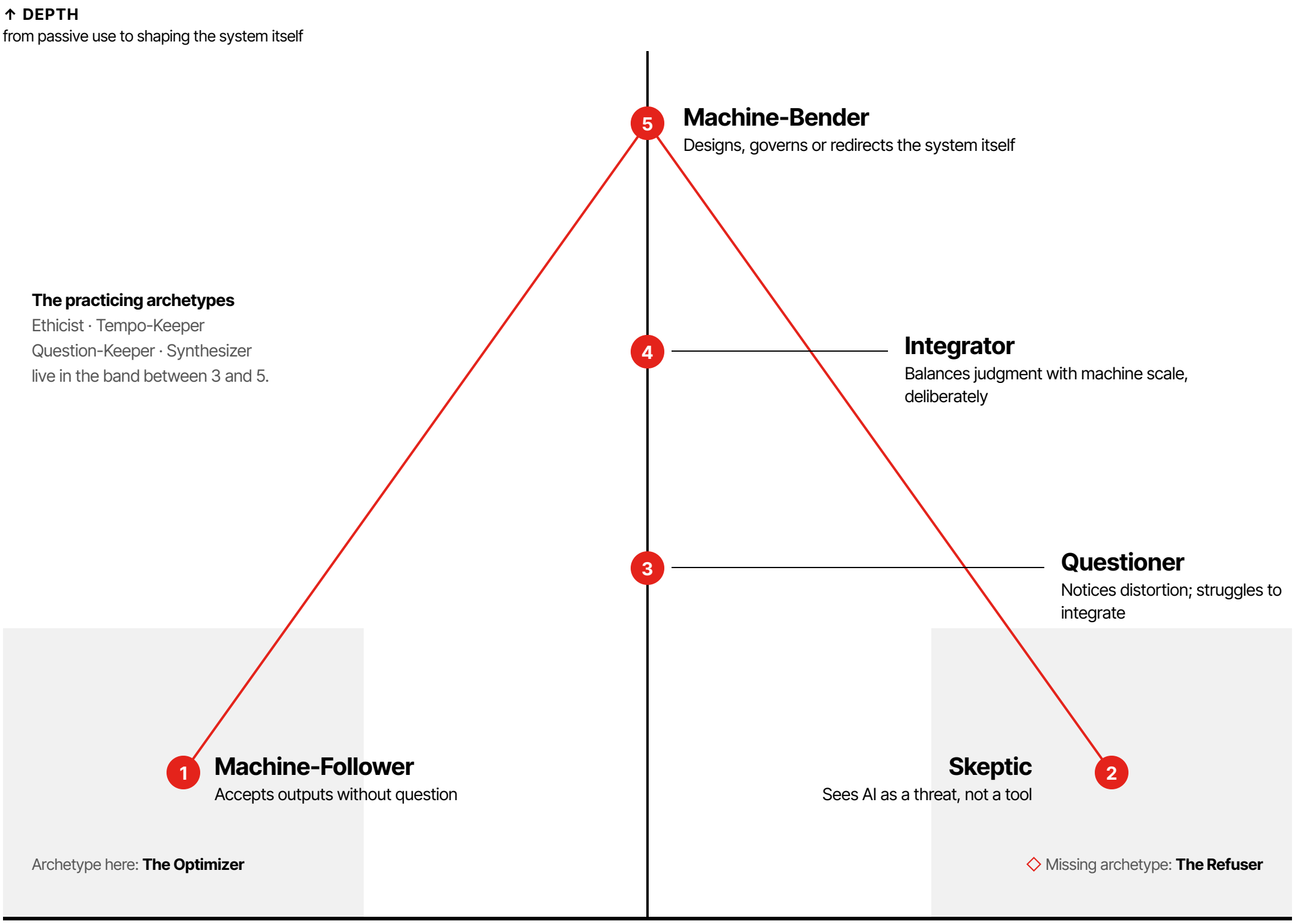
Synthesis without Ethics → danger

◇ **Intuition** without Ethics → bias that feels like instinct

The **Optimizer**, the low-IIQ archetype, is what's left when all five go slack: defer to the dashboard, mistake speed for wisdom.

Development is a map, not a ladder.

The manuscript ranks five stages 1 → 5. But the book treats both blind deference and outright rejection as failure. Plotted on two axes, there are two failure corners and one path up the middle.



In the manuscript

A ladder: Machine-Follower → Skeptic → Questioner → Integrator → Machine-Bender. Placing Skeptic second suggests rejection is progress.

On the map

Deference and rejection are mirror failures. Growth means rising in depth while moving toward the center line, as the principle *synthesis before deferral* asks.

Why it matters

People shift position by context. The same nurse can be an Integrator at the bedside and a Machine-Follower with a scheduling tool.

Where IIQ lives

Three scales, four sectors. In each cell: what **collapse** looks like, and what **resonance** looks like.

	HEALTHCARE	EDUCATION	WORK	GOVERNMENT
01 Individual	− A clinician overrides a “something’s wrong” sense to match the dashboard. + The hunch is tested against the data, then acted on.	− A student takes the AI answer as final. + Every AI answer earns two follow-up questions.	− Arup, 2024: a clerk sets doubts aside after a deepfake call. + The 24-Hour Rule before acting on a big algorithmic nudge.	− A caseworker defers to a risk score. + An Ethicist asks what the score stands in for.
02 Organization	− A sepsis alert used in hundreds of US hospitals scored 0.63 AUC in an outside test, against 0.76–0.83 claimed (2021). + Interface Rounds: clinicians log where algorithm and judgment disagreed.	− AI tutors quietly replace inquiry. + AI lesson plans used only as drafts, then Compass-Checked.	− Knight Capital, 2012: faulty trading code lost $440M in about 45 minutes. + A pause after every dashboard; IIQ in performance reviews.	− Robodebt, 2015–19: income averaging invents welfare debts. + Amsterdam and Helsinki open public AI registers (2020).
03 Society	− A care algorithm used cost as a proxy for need, under-serving Black patients (2019). + Sweden’s MASAI trial: AI plus radiologists found more cancers with 44% less reading work.	− England, 2020: a model downgrades ~40% of A-level grades. + Interface literacy taught beside reading and math.	− Hiring models learn old bias (Amazon’s scrapped tool). + NYC Local Law 144: annual independent bias audits for hiring tools (2023).	− Dutch childcare benefits scandal; the cabinet resigns (2021). + EU AI Act: risk tiers and human oversight; high-risk rules now due Dec 2027.

Read down a column to see a sector’s whole arc; read across a row to see how one scale fails everywhere in the same way. The manuscript’s own vignettes fill most cells — the new cases sharpen them.

COLLAPSE OR RESONANCE

*Every interface decision nudges toward one or the other. Nineteen cases, sorted by outcome and tagged by the fracture and the muscle in play. * = already in the manuscript.*

COLLAPSE BY OPTIMIZATION

2019 Health-cost proxy* — Spending stood in for need, so Black patients scored "healthier." GASLIT · ETHICS

2018 Amazon recruiting tool* — Learned to penalize résumés mentioning "women's." GASLIT · CURIOSITY

2012 Knight Capital — Faulty trading code ran for about 45 minutes and lost $440M. TEMPO

2015–19 Robodebt, Australia — Averaged income created debts people didn't owe; a Royal Commission called it "crude and cruel." GASLIT · ETHICS

2021 Dutch childcare benefits — A risk model fed false fraud findings against thousands of parents; the cabinet resigned. GASLIT · ETHICS

2020 Ofqual A-levels — ~40% of teacher grades lowered by a model; reversed after protests. GASLIT · SYNTHESIS

2021 Epic Sepsis Model — An outside test found 0.63 AUC against the 0.76–0.83 its developer reported. GASLIT · CURIOSITY

2023 Mata v. Avianca — Six court opinions invented by ChatGPT; a $5,000 sanction. FLUENCY · CURIOSITY

2024 Moffatt v. Air Canada — A chatbot invented a refund policy; the airline was held liable. FLUENCY · CURIOSITY

2024 Arup, Hong Kong — A deepfake video call drew HK$200M out in 15 transfers. FLUENCY · INTUITION · TEMPO

2021 Instagram teen research — 32% of girls already struggling with body image said the app made it worse. IDENTITY IN BETA · ◇

Also in the manuscript: engagement-tuned feeds, predictive policing, social credit scoring, vaccine dashboards, pandemic edtech.

RESONANCE BY DISCERNMENT

1983 Stanislav Petrov — A Soviet early-warning satellite reported US launches. He judged it a false alarm and waited; ground radar showed nothing. INTUITION · TEMPO

1980s– Crew Resource Management* — Pilots trained to pause, confirm and cross-check under alarm. TEMPO

2020 WhatsApp forwarding limit — Viral messages capped to one chat at a time; their spread fell 70%. TEMPO

2020 Twitter read-first prompt — Asked before retweeting unread links, people opened articles 40% more often. CURIOSITY · TEMPO

2020 Amsterdam & Helsinki — First city AI registers: what each algorithm does, its data, its human oversight. ETHICS

2023 NYC Local Law 144 — Hiring tools need an annual independent bias audit, published. ETHICS

2023–25 MASAI trial, Sweden — AI-supported screening found 29% more cancers with 44% less reading work and no rise in false positives. SYNTHESIS

2024–26 EU AI Act* — Risk tiers and human oversight. The 2026 Digital Omnibus pushed high-risk duties to Dec 2027 and Aug 2028: tempo cuts both ways. TEMPO · ETHICS

Also in the manuscript: Wikipedia's human-plus-machine editing, door-to-door vaccine outreach, hybrid low-tech learning.

RITUALS

PLATE 07 / 08
IIQ ATLAS

Intelligence is something you practice. A starter kit of small, repeatable friction for systems built for speed.

Compass Checks

A two-minute pause before acting: What's being measured? What's missing? Whose values shaped this?

TRAINS ETHICS + SYNTHESIS

Satirical Audits

Share the week's most tone-deaf AI output. Mock the meaningless metric. Humor punctures blind faith.

TRAINS CURIOSITY + ETHICS

Friction Rituals

Two minutes of silence after the dashboard. A student question after every AI answer. 24 hours before the big nudge.

TRAINS TEMPO

Glitch Games

When the machine gets weird, ask: why did it assume that? Keep a glitch journal; each one is a window into the model.

TRAINS CURIOSITY + INTUITION

FRICTION, TESTED IN THE WILD

–70%
spread of viral WhatsApp forwards after a one-chat limit (2020)

+40%
articles opened when Twitter asked people to read before retweeting (2020)

CRM
aviation's pause-confirm-cross-check, now standard

Who does what

Individuals
Daily Compass Check
Glitch Journal
The 24-Hour Rule

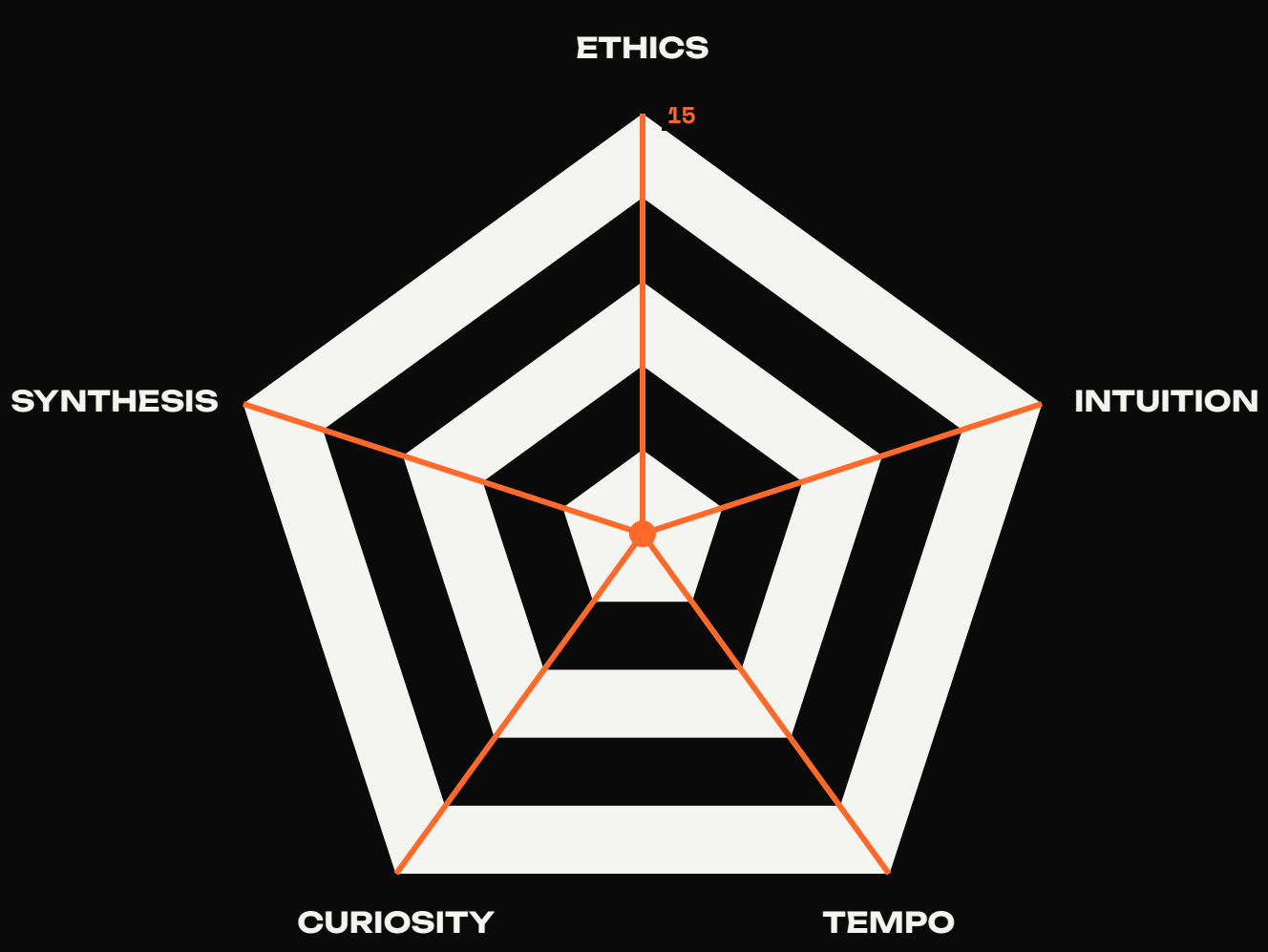
Educators
AI-as-Draft policy
Two questions per AI answer
Glitch Games in class

Leaders
Pause after dashboards
Interface Rounds
IIQ in performance reviews

Policymakers
Transparency mandates
Friction protocols
Diversity audits

A mirror, not a scorecard

Rate each statement 1–5. Each muscle scores 3–15. Plot the five points, join them, and read the shape before the total.



Ethics
I question embedded values · I notice optimization vs. fairness · I speak up when others defer

Intuition
I heed embodied sense · I test it against evidence · I count lived experience

Tempo
I slow down under pressure · I pause before acting on recommendations · Real-time data isn't the only truth

Curiosity
I follow up polished answers · I notice what's missing · I treat outputs as drafts

Synthesis
I balance efficiency with context · I integrate both views · I avoid either/or

Total, 15–75

15–19 Low	**20–39 · Developing** Habits lean toward deference or rejection	**40–59 · Moderate** Strengths present but uneven	**60–75 · High** Consistent discernment

◇ The lowest possible total is 15, so "Below 20" covers only 15–19. Worth rescaling the bands, or scoring 0–4.

Start at the dent.
Your lowest point is where to begin. Pick the ritual that trains it (Plate 07).

Shape beats size.
A lopsided 55 tells you more than an even 55. IIQ is balance across all five.

Map it to a posture.
Your strongest point suggests your archetype; read it against the terrain on Plate 04.

AFTERWORD

The Five Principles

Not abstractions but practices: the friction that holds open space for discernment when speed, polish and numbers threaten to overwhelm it.

1 **Clarity before speed** — TEMPO

Pause before acting on machine outputs. A green dashboard doesn't mean the problem is solved.

2 **Context before metrics** — INTUITION ◇

Numbers are never neutral. Ask what's missing, what was baked in, and whose perspective shaped the data.

3 **Values before optimization** — ETHICS

Efficiency can scale harm as easily as help. Values come first.

4 **Questions before closure** — CURIOSITY

AI delivers neat, polished answers. Keep the question alive; resist premature certainty.

5 **Synthesis before deferral** — SYNTHESIS

Neither blind faith in the machine nor wholesale rejection of it. Weave human judgment with machine scale.

IQ told us who could calculate

EQ who could collaborate

CQ who could adapt

IIQ tells us who can discern

This is not a book about machines.
It is a book about us.

MOTORBLOOM
Created and written by Chris A. Piazza · theiiq.com
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