

Builder Orientation

From AI user to AI-assisted builder. One live build (Equipment Tracker), one student build, one paper decomposition drill. Decompose first, prompt second.

2 hr · 5 modules + wrap
28 slides · 1 break · 2 platform switches
Companion to [week-2-builder-orientation.html](#)

	0:00 M1 User→Builder	▶ 0:15 M2 Live Build	0:40 Break 10'	▶ 0:50 M3 Student Build	▶ 1:30 M4 Decompose	1:50 M5 Wrap
1 15 MIN	User → Builder 0:00–0:15 FRAMING · TALK					OUTCOME · FRAMING Posture set Room knows today is hands-on; pairing risk identified before the live build runs.
2 25 MIN	Live Build — Equipment Tracker 0:15–0:40 DEMO · WATCH ONLY					OUTCOME · DEMO ARTEFACT Half-built tracker on screen Leave it visible in a second tab over the break — reference point for M3, not a copy target.
BRK 10 MIN	Break. Be back at H+0:50. Pre-flight: confirm GenAI.mil + Power Apps are still responsive; load the Debugging Exercise Fallback (instructor page Module 2) in case anything dies.					0:40–0:50
3 40 MIN	Student Build + Peer Review 0:50–1:30 25 BUILD · 15 REVIEW					OUTCOME · FIRST BUILD Every student has a prototype on screen Plus at least one recovered error per student logged in chat — raw material for next week.
4 20 MIN	Decomposition Drill 1:30–1:50 PAPER · NO AI					OUTCOME · FOUNDATION One-page decomposition of a real problem Foundation for the homework prototype and Week 3's failure-sharing block.
5 10 MIN	Wrap & Assignment 1:50–2:00 TALK + COMMITMENTS					OUTCOME · COMMITMENTS Build assignment banked One tool per student before Week 3 · failure case logged for the Week 3 chat thread.

Anchors, recovery, homework

The phrases you repeat all hour, the failure modes to watch for at the platform switches, and the homework you must issue before logoff.

Use during: M2 & M3 platform switches
Use during: any stuck moment
Companion to [week-2-builder-orientation.html](#)

PRE-FLIGHT & HAND-OFF CUES

Verified at T-30 min · two platform switches today, narrate every decision

- **Account check.** Every student needs Power Apps + Power Automate licensed in M365 and a working AI tool (GenAI.mil preferred). Run a roster check 48 h before; pair the unprovisioned with a provisioned partner.
- **Tabs open.** Deck (Week 2), this cheat sheet, GenAI.mil, [make.powerapps.com](#), a clean SharePoint test site you can create the *EquipmentCheckout* list on during M2.
- **Do not pre-build anything.** The whole value of M2 is the room watching you decide live. Start from a blank SharePoint site.
- **Paper exercise.** Print 1 decomposition worksheet per student (or post a Word/Forms link); have whiteboard markers ready for the M2 whiteboard decompose and the M4 individual drill.
- **0:15 · deck → Power Apps.** Open [make.powerapps.com](#). Audible cue: “Watch — do not type along.”
- **0:40 · back to deck** for the break slide. Leave the half-built tracker visible in a second tab.
- **0:50 · M3 hand-off.** “Now you build. I’ll roam in chat. If you get stuck, post the screenshot — do not DM me.”
- **1:30 · Power Apps → paper.** Close laptops audibly. M4 is whiteboard / paper only.

ANCHOR PHRASES

Plant in M1; cite by name when you need them

- **1. “Decompose first. Prompt second. The prompt is the easy part.”** Open with it; cite at every M2 prompt and at the wrap.
- **2. The rejection is the lesson.** When AI emits the wrong language or the wrong shape, narrate the re-prompt out loud. That is the demo, not a glitch.
- **3. Coach — do not type.** If you take the keyboard, the student doesn’t learn. Hand them the re-prompt; never the fix.
- **4. Watch — do not type along.** M2 is a demo. Students build in M3, not over your shoulder.
- **5. Post the error, not the DM.** Errors go in chat so the whole room sees the recovery.
- **6. Ship something small.** A tool that runs beats a spec that doesn’t. The homework is to ship one of their own.

RECOVERY & PACING CUES

When the room slips, this is the order of operations

- **Power Platform / GenAI.mil / internet down.** Switch to the Debugging Exercise Fallback on the instructor page ([orientation.html#module-2](#)). Walk the room through the four-bug Filter / Patch / Overdue case on paper. Do *not* cancel.
- **AI emits JavaScript / C# / Python instead of Power Fx.** Show the error. Re-prompt: “Use Power Fx for canvas apps only — no JavaScript, no forEach, no arrow functions.” Use it as a teaching moment.
- **Half the room is unprovisioned in Power Apps.** Pair-and-share — one driver, one navigator per laptop. Log the unprovisioned roster for the program lead before close.
- **Student skips decomposition and just prompts.** Stop them. “Show me your fields and actions on paper. We will not unblock you until that exists.”
- **Live build runs long; M3 is being squeezed.** Cut M2 prompts 5 (debug) and 6 (polish). The room will hit their own errors in M3 — more authentic. Protect M3 hands-on time at all costs.
- **Pacing valve at the break.** If you are behind, M4 pair review contracts from 8 min to 4 min. Never cut M3 build time or the M5 assignment.

HOMEWORK TO ISSUE BEFORE LOGOFF

Slide 27 — do not let the room exit without these

- **Build one tool of your own** (Form + Gallery class). Pick a problem from the section. Decompose on paper first. Deploy to a test SharePoint site.
- **Bring the failure case to Week 3.** Whatever broke or confused you. We will use it as a live debugging case during the Frontier-recognition break.
- **Verify M365 access** before Week 3: [make.powerapps.com](#), [make.powerautomate.com](#), a SharePoint site they can write to. Email the program lead 48 h out if any are missing.
- **Read the SOP · Decomposition** page. The paper drill from M4 is the foundation Week 3 builds on.