

WHAT'S CHANGING

"The year is 2040. You are 26. This is your industry now — and it looks nothing like your parents' one. Or does it..."



YOUR ROLE THIS UNIT: DESIGNER

Four units of knowing. One unit of building. This term you find a real problem in this industry's future and design the answer — and it ends with you pitching it. Today: seeing the change that's already started.

THE TIME TRAVELLER'S SUMS

In 2040 I will be _____ years old. • Someone starting an apprenticeship at 17 does it in the year _____.

ALREADY TRUE, OR STILL TO COME?

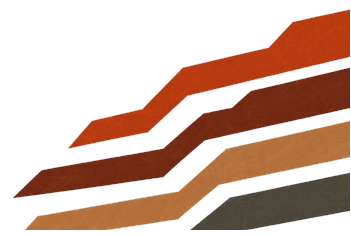
Three claims about WA's resources industry. Circle your call BEFORE the reveal:

1. Giant haul trucks drive themselves — no one in the cab. ALREADY TRUE • STILL TO COME
2. Whole mine sites are run from ordinary offices in Perth. ALREADY TRUE • STILL TO COME
3. Mine sites make some of their own power from the sun. ALREADY TRUE • STILL TO COME

After the reveal — my score: ____ /3 • The one that got me, and my honest reaction:

THE IDEA OF THE LESSON

2040 isn't science fiction. Pieces of it are already running, today, in WA — in prototype. Designers don't predict the future out of nowhere. They spot what's already changing, and push it further.



■ WARM UP YOUR DRAWING ARM — UGLY DRAWINGS ONLY

Rule for the whole unit: **ugly drawings only**. Neat is slow, and slow loses. If your drawing looks good, you're overthinking it. 30 seconds each:

DRILL 1 — a haul truck, 30 seconds, don't lift your pen:

DRILL 2 — the same truck in 2040. Change ONE thing. 30 seconds:

Tell your pair (say it out loud, full sentence): "The one thing I changed is _____ because _____."

The one thing THEY changed: _____ · better than mine? ☐ yes ☐ no ☐ stealing it

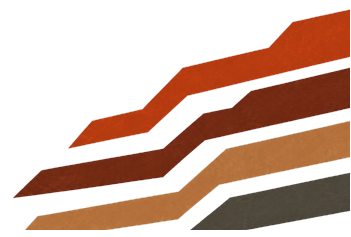
■ THE 4-MINUTE PROOF HUNT — 2040 IS HIDING IN PLAIN SIGHT

1 Pairs, devices, four minutes: find ONE thing a WA resources company already does that sounds like the future — robot trains, remote control rooms, solar farms on site, electric machines.

2 The rule since Unit 3: no source, no evidence.

Our find: _____ · Source: _____

On a scale of "normal" to "science fiction", our find is (put an X where it belongs on the line): normal
_____ sci-fi



■ THE GUIDED TOUR — HOW TO TALK ABOUT YOUR MAP

Your Site of 2040 map (the big canvas sheet) gets drawn now — and a map nobody explains is just a doodle. When both maps are drawn, run the tour:

- 1 **60-second tour:** walk your pair around your map — start anywhere, keep moving, name every zone.
- 2 **Two “why” questions:** your pair must ask two. “Why is the power there?” “Why no people in the pit?” Answer like a designer: because.
- 3 **Swap. Same rules.**

The best “why” question I got asked, and my answer:

One idea from THEIR map I wish was on mine: _____

■ THE CURVE — GRAPH YOUR PREDICTION

On the back of your canvas sheet: the axes run 2025 to 2040. The line you draw is YOUR prediction — how many workers are ON SITE at a typical big mine. Straight slide? Cliff drop? Flat? A curve that falls then rises? Draw your line, then defend its shape out loud to your pair in two sentences.

My curve's shape in one word: _____ · My pair's shape: _____ · Same? ☐ yes ☐ no

The strongest sentence from my defence:

■ EXIT — LOCK YOUR FIRST PREDICTION

1. The change I reckon hits WA FIRST (circle): more robots · new power · less water used · different jobs
 2. One thing on my map I secretly think could really exist by 2040:
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KEEP YOUR MAP ALIVE

Do NOT lose the canvas sheet — your teacher is collecting them. In Lesson 3 you'll hunt for problems, and the best hunting ground is a map full of your own ideas. Next lesson: the people who turn spotted changes into businesses — and what they all have in common.

SKILLS I USED TODAY — TICK WHAT'S TRUE

☐ called already-true vs still-to-come · ☐ drew fast and ugly on purpose · ☐ proved the future exists, with a source · ☐ toured my map and survived two whys · ☐ graphed a prediction and defended its shape