

Practical examples for teachers

Related content: M4-T1-MLC1 – Creating Lesson Plans, Quizzes, Worksheets and Case Studies with AI

Exercise 1 – for the teacher’s own learning

Objective: to prepare a coherent set of teaching materials for an upcoming lesson with AI, starting from a complete pedagogical brief, and to check and adapt the drafts.

Title: From brief to classroom-ready material

Exercise: writing a six-element brief, generating a lesson plan, a worksheet and a short quiz, and reviewing them.

Duration: 45 minutes

Form of work: individual work

Tools: ChatGPT, Claude or Gemini; the relevant curriculum excerpt, a textbook chapter or a manufacturer’s data sheet

Instructions:

1. Choose a lesson you will teach in the coming weeks. Write a brief with the six elements (learning goal, vocational context, learner level, prior knowledge, activity format, assessment needs) and attach a checked source.
2. Ask for a timed lesson plan; then, in the same conversation, for a one-page worksheet and eight quiz items with an answer key, each linked to the learning goal.
3. Review the drafts with the checklist in the core text (correctness, alignment, level and time, local context, fairness, data protection). Mark every change you make.
4. Improve the weakest part with two targeted follow-up requests. Save your brief as a template for the next lesson.

Lessons learnt:

- A complete brief produces drafts that need adaptation, not rewriting.
- The changes you make show where your professional knowledge is indispensable.
- A saved brief template makes the next preparation much faster.

Exercise 2 – classroom work with students

Objective: to develop learners’ problem-solving and professional judgement by solving and critically improving an AI-generated case study.

Title: Is this case realistic?

Exercise: groups solve a workplace case drafted with AI and checked by the teacher, then assess how realistic it is and improve it.

Duration: 45 minutes

Form of work: group work (3–4 learners), then whole-class discussion

Tools: an AI-generated case study from the trade (prepared and checked by the teacher), textbook, manuals, learners' own workshop or workplace experience

Instructions:

1. The teacher presents a short case (e.g. a customer returns with a loose wheel nut after a tyre change) and explains that it was drafted with AI and checked.
2. Groups solve the case: possible causes, the correct procedure, and what to tell the customer.
3. Groups assess the case: What is realistic? What would be different in a real workshop? What information is missing? They rewrite one part of it.
4. Groups present their solutions and changes; the class agrees on the best solution, and the teacher links it to the learning goal.

Lessons learnt:

- Analysing a case trains professional reasoning and decision-making.
- Learners' practical experience can make AI-generated materials more realistic.
- AI drafts always need the eye of a professional.

Notes for teachers:

- Check the case and the model solution for professional correctness before the lesson; use invented names and no real customer data.
- Use the learners' best improvements to update the material for the next group.

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