



Maturaarbeit-Begleiter

AI-assisted, Socratic guidance for the matura thesis

A Socratic, AI-assisted companion that guides students through every phase of the matura thesis – from research question to reflection – and lightens the load for supervisors without replacing them.

Pilot access & questions: marcel.cahenzli@gmail.com

→ <https://maturaarbeit.unisg.teaches.ch>

The problem

The matura thesis is the single large, independent project every gymnasium student completes – assessed on process, product and presentation, and supervised one-to-one by a teacher who cannot give continuous feedback. At the same time, AI use is a reality that must be handled transparently and fairly.

What the companion does

Feedback, not ghost-writing

The coach asks Socratic questions and points to the 2024 national curriculum – it never writes text for the student.

Transparency & integrity

Every AI interaction is logged; the app auto-generates the declaration of authorship and the list of aids used. Anomalies are flagged to the supervisor.

Sources & versions

A structured bibliography and draft versions as a record of integrity – including upload of full Word/PDF drafts.

Canton- & school-specific

AI rules per canton; on request, configured with the school's own concept and assessment rubric.

Trilingual & Swiss-hosted

Fully in German, French and Italian; hosted in Switzerland.

Low effort for supervisors

Supervisors log in around 3–4 times (topic approval, proposal, mid-point check, final sign-off). Every touchpoint is asynchronous and skippable – the full value for students stands even without continuous supervision.

Pilot – what we're looking for

- 1–2 schools, or a few supervisors and students, using the tool on a real matura thesis.
- Honest feedback: is the feedback useful and trustworthy? Does it save supervision time? Does it fit your requirements?
- Optionally: a matura committee's view on the format of the declarations.

Data protection

Swiss hosting (Infomaniak, Geneva). For the AI feedback, excerpts of the thesis are sent to the Google Gemini API (paid tier; processing i.a. in the USA); Google does not use these inputs to train its models. Public gymnasiums fall under cantonal data-protection law – we clarify the details with each pilot school before any real student data is processed.