



Systemic Inquiry for the Future

Competence 3 of 4

Lower secondary · ages ~12-15



WHAT IS THIS COMPETENCE ABOUT? Modern methods and approaches for applying **critical thinking, research skills, systems thinking and futures literacy** to improve societies and living conditions. It calls for open-minded thinking and research-based methods to solve problems in a transdisciplinary way.



The student is able to...

OBJECTIVES

- Evaluate arguments in different contexts.
- Weigh multiple viewpoints before forming a judgment.
- Plan and conduct a small investigation on social or environmental themes.
- Recognise which external processes influence their (future) lives.
- Analyse systems from multiple perspectives (social, ecological, economic).

ASSESSMENT CRITERIA

- Supports claims with relevant evidence and judges whether information is complete or biased.
- Conducts a small investigation within a given scope and presents the results.
- Uses system models to predict outcomes and identify leverage points.
- Draws on relevant and future-oriented background information.



The teacher is able to...

OBJECTIVES

- Teach techniques for evaluating sources and identifying assumptions.
- Design simple studies where students analyse data.
- Facilitate inquiry-based learning around systemic problem-solving.
- Encourage critical reflection on assumptions and systemic impact.
- Use systematic foresight as background for investigation.

ASSESSMENT CRITERIA

- Supports the use of reliable, relevant sources.
- Encourages respectfully challenging assumptions and evidence.
- Helps sharpen research questions and promotes comparison and synthesis.
- Connects systems thinking with problem-solving in deeper inquiry.
- Builds a class culture that values systemic and interdisciplinary thinking.

Partners: Universidad de Burgos · HAMK · IPCA · Junta de Castilla y León · CFIE · Politécnico de Leiria · NHL Stenden · Howest · TUS

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