

Methodology of pedagogical research and evaluation: **4. The subject of scientific research in pedagogy**

Methodological Concept for Effectively Supporting Key Competencies Using the Foreign Language ATCZ62 - CLIL as a Learning Strategy at the College



Europäische Union
Evropská unie
Europäischer Fonds für
regionale Entwicklung
Evropský fond pro
regionální rozvoj



UNIVERSITY
OF APPLIED SCIENCES
UPPER AUSTRIA

Determination of educational phenomena

- ✓ How educational phenomena are determined
- ✓ How are they depended
- ✓ How are they determined

Educational phenomena and processes are characterized by

- ✓ unusual complexity - be careful, do not simplify
- ✓ rich interrelations - looking for context
- ✓ great dynamism

Scientific explanation of pedagogical phenomena

- Probability determination - statistical probability laws apply,
- Possible states from which one takes place,
- Which option is larger, which smaller

Relationship between the method and the subject of the research

- ✓ The inner connection between what is to be known and how it is known,
- ✓ According to the nature of the subject of the research we choose the appropriate methods of investigation:
 - choice,
 - system,

Methods in didactic research

- The goal the teacher is trying to achieve in pupils / what the pupil can /
- Methods suitably selected and suitably used;
- Pupil outcomes - knowledge, skills, general pupil development;
- Learning processes of pupils' knowledge and skills, what happens in the pupil's head when the teacher uses one or the other means.

Beginner in pedagogical research

- The choice of method depends on how we ask ourselves what is the leading idea of research, what is the hypothesis of research;
- The choice of method depends on the real conditions of its application in practice - natural experiment at school, time factor;
- Method from the Pedagogical and Humane Pedagogical Risks of Some Methods (Sociometry).

The level of research results depends largely on the choice of a set of appropriate methods and on the methodological level of their use.