



Inquiry-based learning

Its concept and implementation through the ages in Germany

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Key question

1. How has the method of Inquiry-based learning developed from 1960/70 until today?

2. Is the method of inquiry-based learning consistent with the didactic intentions of the school subject geography?

Results

1960 - 2000
Educational reforms

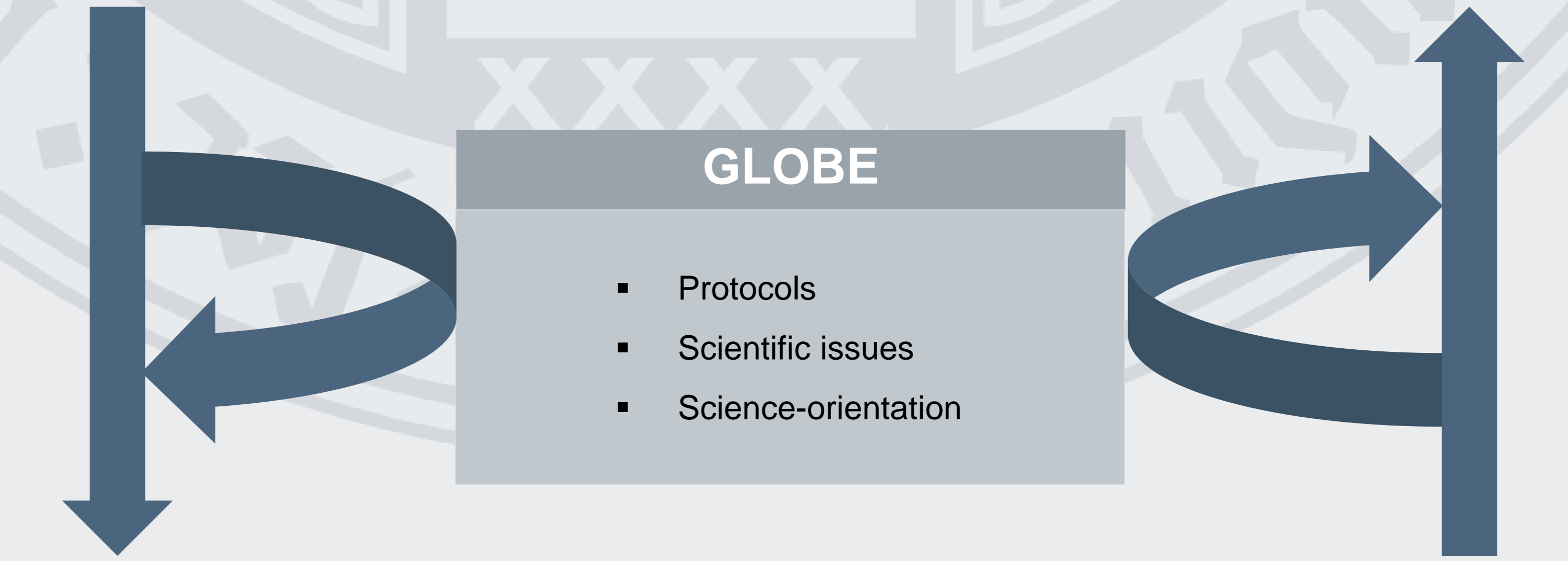
- Jerome Bruner (1970): Contribution to cognitive learning theory
- Educational reforms: Orientation on science
- The term „inquiry-based learning“ not mentioned in the literature
 - Attribute: science-orientation und science-propaedeutics
 - Synonym: discovery learning
- Realisation of partial aspect, e.g. action-oriented teaching
- Lack of an underlying didactic concept

2000 - today
Paradigm shift

- Competency-based education
- Output-oriented teaching
- Development of educational standards
- Synonym: discovery learning
- Practical implementation through extracurricular projects
- Lack of an underlying didactic concept

Characteristics of Inquiry-based learning

- Developing students independence and self-reliance
- The ability to identify, investigate and solve problems
- Science-orientation
- Knowledge generation process
- Practical relevance and linked to everyday life



Characteristics of Geography lessons

- Competency-based education
- Problem-oriented learning
- Activity-oriented lessons
- Develop social sensitivity and scientific thinking
- Science-propaedeutics education

Outlook

Shall inquiry-based learning be a guiding principle during the practical semester of pre-service teachers?

How can inquiry-based learning be integrated in pre-service teachers education at university?

What do students think about inquiry-based learning?

References

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GLOBE from a pre-service teacher's perspective

GLOBE has to establish itself and find its place in our educational system.

I see GLOBE as a chance.

GLOBE has to find its place between all the changes and alternatives of the new educational system.

GLOBE is like a frame within which a teacher can create lessons.

An active work with GLOBE is a qualification for my job as a teacher.

GLOBE is a organizational and content-related challenge.