

Diverse Subject Didactics and General Didactic Perspectives in Teacher Education

ECER 2023: The Value of Diversity in Education and Educational Research
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Network 27: Didactics – Learning and Teaching

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FaPlan

Fachdidaktische Unterrichtsplanung – Fachspezifisch und fachübergreifend

Didactic Lesson Planning – Subject-specific and Subject-integrative

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FAPLA

LERNMODULE

DIDAKTIK-WERKSTATT

ANSPRECHPERSONEN

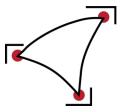
Projekt "Fachdidaktische Unterrichtsplanung – Fachspezifisch und fachübergreifend - FaPlan"

Ziel des Projekts ist die Konzeption und Erprobung fachübergreifender, multimedialer, flexibel einsetzbarer Lernmodule, die Lehramtsstudierende verschiedener Unterrichtsfächer beim Erwerb und Ausbau einer fachübergreifenden professionellen Handlungskompetenz unterstützen sollen. Im Rahmen des Projekts wird Studierenden ermöglicht, fachspezifische didaktische Kompetenzen zu vertiefen und eine fachübergreifende didaktische Perspektive aufzubauen. Sie entwickeln so ein Konzept unterrichtlicher Praxis, auf dessen



- > an interdisciplinary project of the didactic departments of German, Geography and Social Sciences at the University Mainz
- > main goal: development of multimedia online learning units for the use in courses of teacher education and independent studies
- background: problem of fragmentation of teacher education into distinct phases at specific institutions and various disciplines (e. g. Korthoff/Terhart 2013; Blömeke 2009)
- > How to develop an integrative didactic perspective?

Background Discourses



increasing discussion on the implementation of interdisciplinary, cross-disciplinary, subject-connecting or subject-integrative teaching approaches in school

+ current or future societal crises and challenges need holistic solutions including various disciplinary perspectives, joint-up thinking and reflexivity

(Duncker/Popp 1997; Moegling 2010; Faulstich et al. 2011; Dussel 2020)

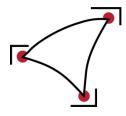
- importance of specialized knowledge
- risk of deprossionalization

(Young/Moller 2016; see also Reh/Caruso 2020)

Figure 1. 2017; Rothgangel et al. 2020)



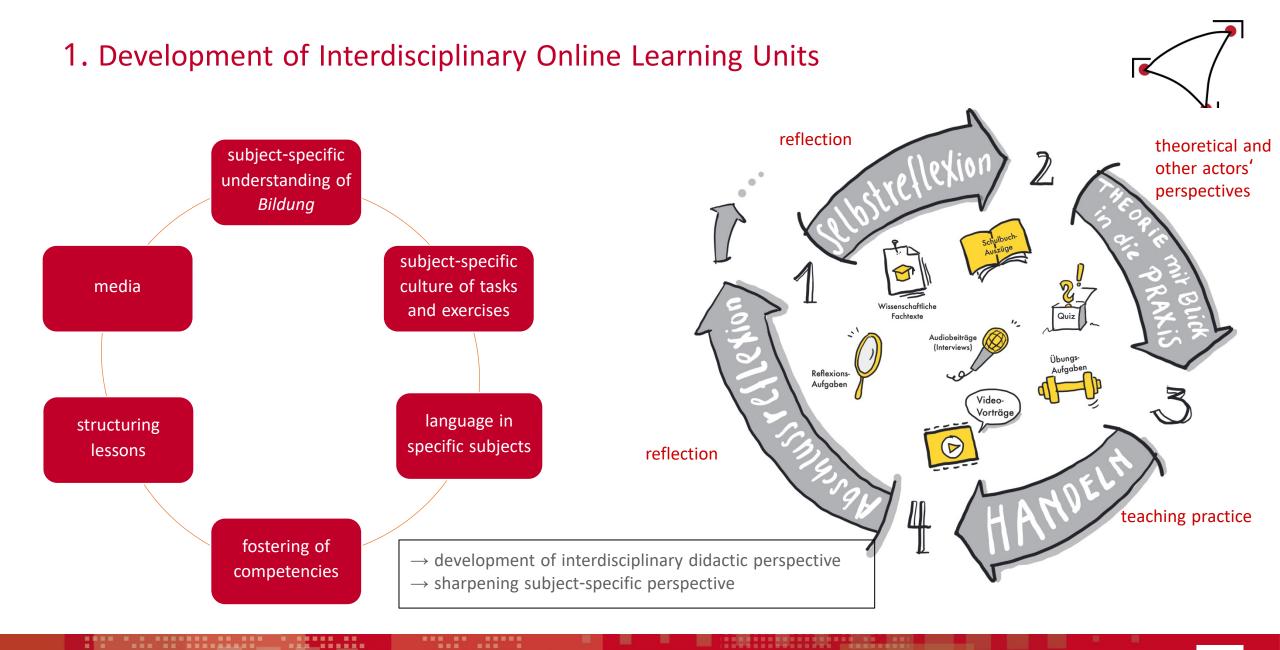
Central Questions and Outline

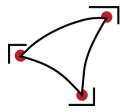


- > How can we link subject-specific knowledge and a general didactic perspective in teacher education?
- ➤ How can we develop professional cross-disciplinary practical competencies of pre-service teachers and sharpen their awareness for the specific characteristics of their own subject?
- > How can we integrate reflections of correlating didactic discourses into teacher education?



- 1. Development of Interdisciplinary Online Learning Units
- 2. Theoretical Reflection on Experiences and Perspectives for Teacher Education





Process steps and schedule

→ approach of action research: "spiral of cycles": exploration, discussion, development, implementation, participant observation, interviews and other forms of evaluation,...

(Elliot 1991; see also Altrichter/Posch 2007; Posch/Zehetmeier 2010; Reason/Bradbury 2008; Noffke/Somekh 2009)

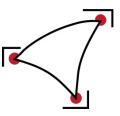
interviews
with various
actors,
selected
literature

development of various, also interactive, materials subjectspecific courses and interdisciplinary workshops

refinement of materials

interdisciplinary courses (including interdisciplinary lesson planning)

integration of the material in online learning units



subject-specific understanding of Bildung

ightarrow educational aim of independent participation in society (self-determination, co-determination, solidarity)

(Klafki [1985] 2007; see also Hudson 2007)

1) reflection:

Welche Aspekte (z. B. gesellschaftliche und institutionelle Bedingungen, Fachkonzepte etc.) beeinflussen deine Vorstellung von einem in meinem Fach gebildeten Menschen?

Meine Vorstellung von einem in meinem Fach

gebildeten

Menschen:

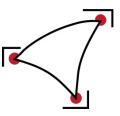
Fachspezifisches Bildungsverständnis

Welche Aufgaben hat der Fachunterricht, um dieses Bildungsziel zu erreichen?

What aspects (e. g. societal or institutional conditions, curricular concepts, biography...) do influence your vision?

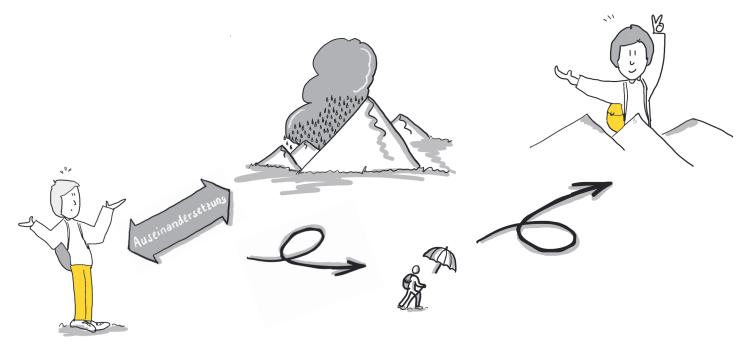
My vision of a person who is educated in my subject:

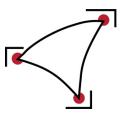
What is the purpose of my subject due to this vision?



subject-specific understanding of *Bildung*

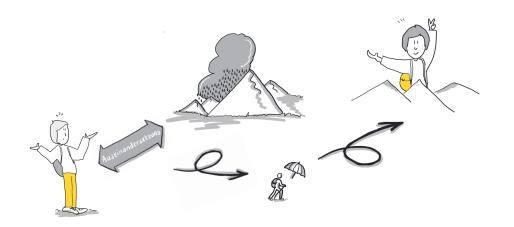
- 2) Theoretical and other actors' perspectives
- → video-introduction into a *Bildung*-centered didactic perspective with reference to Wilhelm von Humboldt and the concept of powerful knowledge (Deng 2021)





subject-specific understanding of Bildung

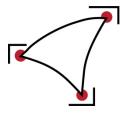
- 2) Theoretical and other actors' perspectives
- → video-introduction into a *Bildung*-centered didactic perspective with reference to Wilhelm von Humboldt and the concept of powerful knowledge (Deng 2021)



→ various sequences of interviews with teachers, students and scholars







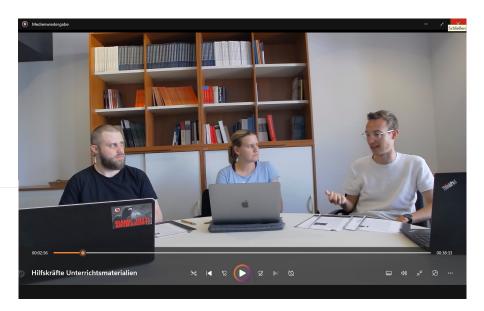
subject-specific understanding of Bildung

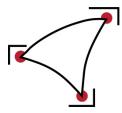
- 3) teaching practice
- → considerations on the conceptualization of an interdisciplinary practice based on teaching materials, some guiding questions and a video of other pre-service teachers discussing the same materials and questions



Erster Abschnitt (00:00-06:13): Was war euch bei der Auswahl des Materials wichtig, warum habt ihr dieses ausgewählt?

Überlege dir zuerst, für welche Fächer du dir eine fächerübergreifende Unterrichtsplanung vorstellen kannst. Mache dir Notizen, wie du dabei vorgehen würdest. Überlege dir, ob das ausgewählte Material dafür geeignet wäre und was bei der Bearbeitung zu beachten wäre. Welche Bildungsziele wären aus der Perspektive der von dir ausgewählten Fächer wichtig?

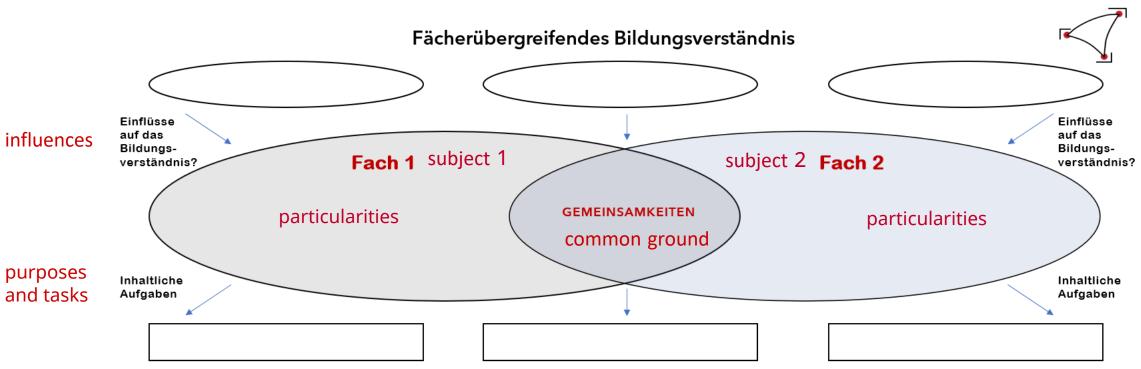


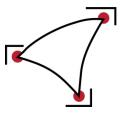


subject-specific understanding of Bildung

4) reflection

interdisciplinary understanding of Bildung



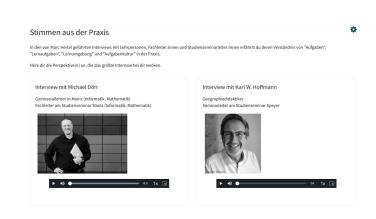


subject-specific cultures of tasks and exercises

Are there subject-specific cultures of formulating tasks and exercises and defining quality characteristics and how are they related to general didactic perspectives?



general didactic model of quality characteristics

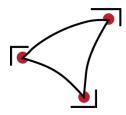


interview sequences with scholars and practitioners



the analysis and reformulation of tasks and exercises





language in specific subjects

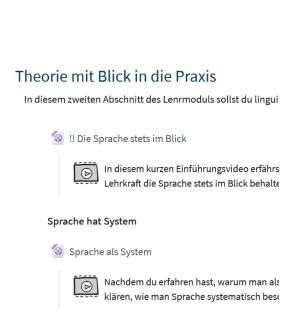
→ reflection and analysis of the role of language in subject-specific teaching

Audiobeitrag: Sprache im Kontext von Schule



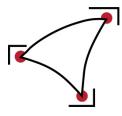
Im Anschluss an deine Selbstreflexion kannst du Lehrkräfte diese Fragen beantwortet haben.

podcast with interview sequences with teachers



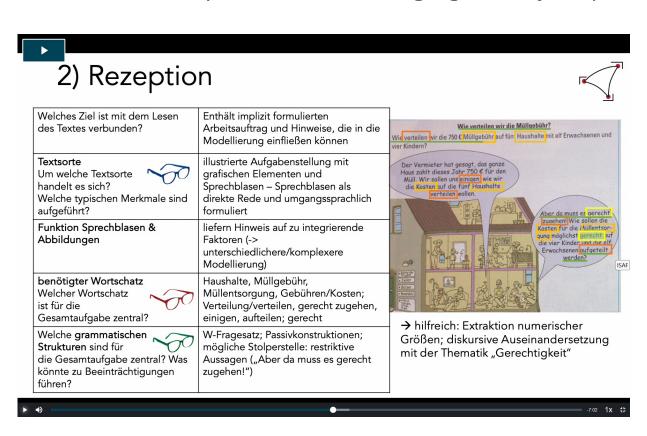


videos and interactive materials as introduction into linguistic basics

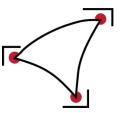


language in specific subjects

→ reflection and analysis of the role of language in subject-specific teaching

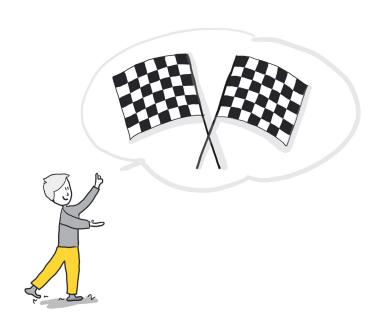


- tools for the analysis of languagerelated demands
- supportive measures in language aquisition and development

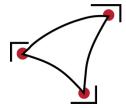


next steps and perspectives:

- > development of three more learning units (fostering of competencies, structuring lessons, media)
- > refinement of materials
- > addition of materials of other subjects



2. Theoretical reflections on experiences and perspectives for teacher education



> better understanding of inner relationships between the learning units and their structure

common core for integration of general didactic and subject-specific perspectives: common subject-integrative reference point which will be differentiated for specific subjects

fundamental reflection with reference to subject-specific aims

practice-oriented reflection and tasks on lesson planning

→ reflection on *powerful knowledge*

(opening new ways of thinking and new perspectives to understand the outer world)

→ development of a subject-integrative perspective by reflecting subject-specific particularities: preparation of future competencies to cooperate with other teachers and to implement interdisciplinary teaching approaches



2. Theoretical reflections on experiences and perspectives for teacher education

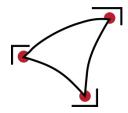
➤ level of theoretical reflection on lesson planning and subject-specific particularities as a first step of interpretation and translation of curricular contents into instructional events



- observed processes of reflection:
- differentiation between distinct forms of knowledge (knowledge they need to teach vs. knowledge they are going to teach)
- awareness for different perspectives on content and meaning (students' perspectives in actual teaching processes and didactical perspectives based on disciplinary thinking)
- further processes of reflection of meaning and intentionality of contents as a fundament of lesson preparation
- insight into complex relationships between various forms of knowledge and how they might be interlinked in the whole process of lesson planning, lesson preparation and actual teaching

(see also Deng 2021; Hopman 2007; Hudson 2007)

2. Theoretical reflections on experiences and perspectives for teacher education

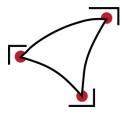


"However, the fundamental task is *not* that of helping students aquire disciplinary knowledge, but that of using disciplinary knowledge as a tool or a resource to create powerful, transformative experiences in the classroom that can lead to the cultivation of human powers."

(Deng 2021: 17)



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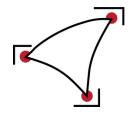
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Thank you for your kind attention!

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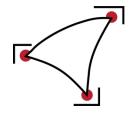
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