

Using Pedagogical Content Knowledge as a Tool for Lesson Development

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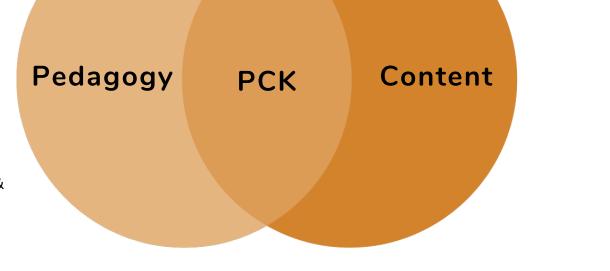


HOW DO YOU DECIDE WHAT TO TEACH?



Pedagogical Content Knowledge

- Explicit and purposeful
- Documented by design of and reflection on instruction
- Found in instructional lesson plans & the way teachers talk about decisions



Content Representation

- Data collection tool
- Identify & discuss conceptual knowledge of content
- Discuss practice of teaching

Important Concept 1	Important Concept 2	Important Concept 3
Important Concept 1	important Concept 2	important Concept 5
	Important Concept 1	Important Concept 1 Important Concept 2

COOPER, LOUGHRAN, & BERRY (2015)

	Important Concept 1	Important Concept 2	Important Concept 3
What do you intend the students to learn about this idea?			
Why is it important for students to know this?			
What else do you know about this idea (that you do not intend the students to know yet)?			
Difficulties or limitations connected with teaching this idea.			
Knowledge about students' thinking which influenced your teaching of this idea.			
Other factors that influence your teaching of this idea.			
Teaching procedures (and particular reasons for using these to engage with this idea.			
Specific ways of ascertaining students' understanding or confusion around this idea.			

	Important Concept 1	
	CoRe as a tool	
What do you intend the students to learn about this idea?	How to use the CoRe for planning	
Why is it important for students to know this?	Able to structure lessons for students' Conceptual understanding	
What else do you know about this idea (that you do not intend the students to know yet)?	How the CoRe has been used for research	
Difficulties or limitations connected with teaching this idea.	unfamiliar, new way to think about planning	
Knowledge about students' thinking which influenced your teaching of this idea.	These are great feachers!	
Other factors that influence your teaching of this idea.	we are implementing in Ag Ed at OSU	
Teaching procedures (and particular reasons for using these to engage with this idea.	Modeling and time for practice - Adult learning theory	
Specific ways of ascertaining students' understanding or confusion around this idea.	Questioning Observation of practice	

Using the CoRe as a Tool



Think about your own experiences learning particular content



Identify concepts that may be challenging for students



Think about the specific context of your own learning environments and students

RESOURCES

Think about potential resources you have or need to address the concepts



Thank you!