



# Embrace Plurality, Dismantle Hierarchies, Practice Complicity. Basic Ideas for Transdisciplinary Learning

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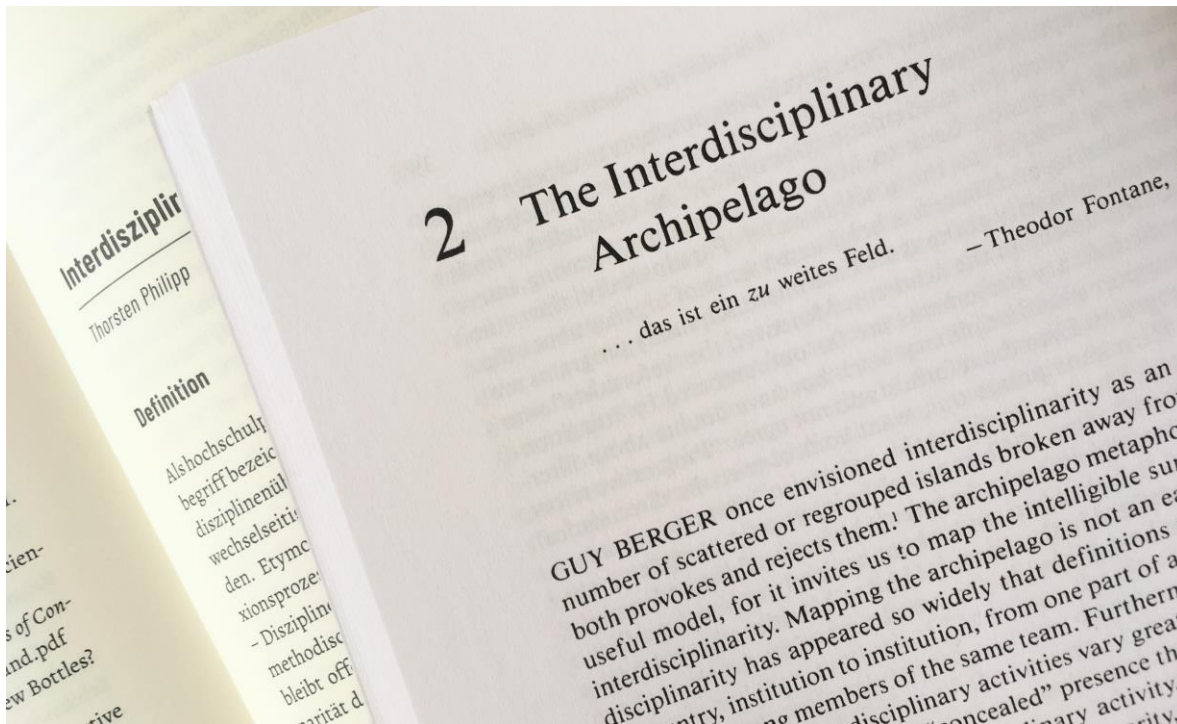
# What is Transdisciplinary Didactics?

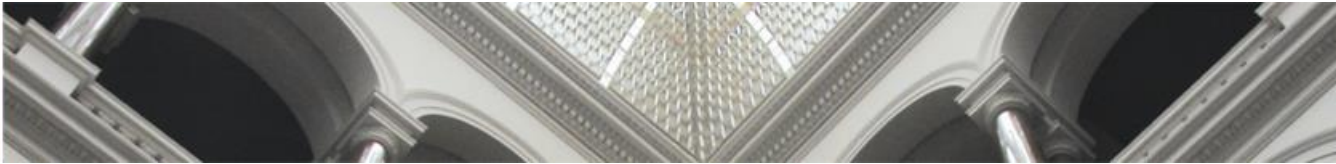
## Explainer

[https://www.youtube.com/watch?v=padZHom0\\_lg](https://www.youtube.com/watch?v=padZHom0_lg)

# What is Transdisciplinary Learning?

## Definition





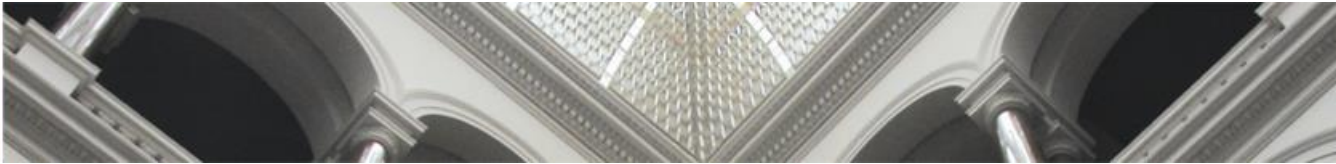
## Definition

### inter vs trans

*trans* across, over beyond, on the farther side of  
through, through and through

*disciplina* instruction, tuition, teaching  
learning, knowledge, science, discipline  
habit, custom

*discipulus* denotes a learner who follows existing order.



# Definition

## Five Paradigms

- 1 Plurality of knowledge resources  
everyday knowledge, professional knowledge, autochthon knowledge, etc.
- 2 Plurality of actors in knowledge production  
researchers, professionals, students
- 3 Plurality of participation opportunities  
citizen science, fablabs, do-it-yourself cultures, real life labs
- 4 Plurality of tasks and renegotiation of roles of responsibility  
accountability, duty of care, liability
- 5 Plurality of educational biographies and knowledge paths





# Spots of Transdisciplinary Learning Repair Cultures





# Spots of Transdisciplinary Learning Repair Cultures





# Spots of Transdisciplinary Learning Makerspaces



© Motionlab





# Spots of Transdisciplinary Learning

## Community Gardens



© blickgewinkelt



# Spots of Transdisciplinary Learning

## Mall Anders





# Spots of Transdisciplinary Learning

## Mall Anders





# Spots of Transdisciplinary Learning

## Mall Anders







# Transdisciplinary Learning

## Techniques and Methods

- Service Learning
- Citizen Science
- Internships
- Living Labs (Real World Labs)
- Science Shops
- Student Centered Learning, Project-oriented Studies
- Repair Cultures and Do-it-yourself Practices
- Science Communication
- Arts
- ...



# Transdisciplinary Learning

## Reform Education and Cooperation Attitudes

1. Reduce control
2. Activate participation and co-creation
3. Embrace failures, flops and detours
4. Dismantle hierarchies and extend collective responsibility
5. Establish reflective practice
6. Practice complicity
7. Introduce feedback culture



## Further Reading

### Handbuch Transdisziplinäre Didaktik

