Connecting the Dots
Mapping objectives to assessments using the Design Canvas
*BONUS: Cognitive Apprenticeship*

What college are you teaching in?
- Science
- Business
- Architecture, Arts, Humanities
- Agriculture, Forestry, Life Sciences
- Education
- CECAS
- Behavioral, Social, and Health Sciences

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Cognitive Apprenticeship = Today’s Apprenticeship

- Built on the model of traditional apprenticeships
- Guide students through the cognitive and metacognitive processes necessary to perform tasks.
- Learning is focused on the process of cognition and teaching students how to replicate those thought processes.
Start at the beginning:
What do we want our students to learn?

Domain knowledge

**Strategies** (heuristic, control, learning strategies)

Lead towards Expertise

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Cognitive Apprenticeship

Method

- **Watching**
  - Modeling
- **Doing**
  - Coaching & Scaffolding
- **Reflecting**
  - Articulation & Reflection
- **Applying**
  - Exploration

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Sequencing

Sociology
Learning Objectives
The foundation & scaffolding of your course

If the student has learned [subject], then they will be able to [show this(action)] by completing this [assessment].
Learning Objectives
...student will demonstrate the ability to evaluate, integrate, and apply information from user interviews to create personas and present an accessible design solution.

Learning Objectives
...students will apply foundational knowledge of manual camera settings to create a photography portfolio.

Types of Assignments
Essay Exam Lab report Presentation
Literature review Journal reflection Portfolio
Visual asset Discussion Forum others?
Learning Objectives Activity

1. Working with a partner, name something you want to teach in your class.
2. As a team, work on turning the teaching goal into a course objective.

REMEMBER:
- Specific learning goal → action student will use to demonstrate learning → assessment
- Write from the student’s perspective
- Think about how you can measure student learning
- Can you include a CT2 element?
The Design Canvas allows for:

- Class plans = easily translatable
- Communication with and preparation of TAs (or teachers in other sections)
- Database of class plans
- Open educational resources

<table>
<thead>
<tr>
<th>Learning Objective</th>
<th>Class Content</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class plans</strong></td>
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<td><strong>Communication</strong></td>
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Time to articulate & reflect...
THANK YOU

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