



FROM

SPACING & RETRIEVAL PRACTICE WITH COOPERATIVE LEARNING

Ed Dooley & Jakob Werdelin, 4 April 2019

COOPERATIVE LEARNING: AN EXAMPLE OF SIMPLE RETRIEVAL PRACTICE

Retrieval of information can begin immediately.

For example, do a presentation or demonstration , or show a video or slide set with little or no comment.

Do a simple **Word-Round** when done.

IMPORTANT

Before presenting, make sure pupils understand:

- That they *will* be called to account for their understanding.
- When applicable, they do need to take notes. (i.e. *you* take notes!)
- That there will be no accompanying or later rounds of explanation: *No interruptions or questions!*

Got pen and paper? Are you ready?



WHAT IS COOPERATIVE LEARNING?

What is it?

Cooperative Learning consists of students in small hand-picked teams or pairs working in fixed **Cooperative Learning Interaction Patterns**.

with catchy names, too!

WORD-ROUND

CATCHUPARTNER

MEET-IN-THE-MIDDLE

ETC.

CLIPS for short.

WHAT IS COOPERATIVE LEARNING?

What is a CLIP?

All Cooperative Learning
Interaction Patterns:

1. define step-by-step **pupils' interaction** with materials and each other and
2. are **void** of content.



WHAT IS COOPERATIVE LEARNING?

All CLIPs secure PIES

- **P**ositive Interdependence (everyone is *needed*)
- **I**ndividual Accountability (everyone regularly *presents* his/her learning)
- **E**qual Participation (everyone contributes and is equally *involved* in the learning process)
- **S**imultaneous Interaction (everyone is *active* at the same time)



WHAT IS COOPERATIVE LEARNING?

CLIPs facilitate **PIES** in
any subject with *any age*
group



EYES TO UNI

WHAT IS COOPERATIVE LEARNING?

Cooperative Learning is 100% evidence based

According to the DfE-vetted EEF *Teaching & Learning Toolkit*:

- 5 months of progress per pupil per year.
- Thoroughly researched over 40+ years.
- Highly cost-effective.

The screenshot shows the 'Teaching & Learning Toolkit' website. The header includes the title 'Teaching & Learning Toolkit' and a subtitle 'An accessible summary of educational research on teaching 5-16 year olds.' There is a navigation menu with 'Toolkit A' and 'view Toolkit Themes'. Below the header, there are filter options: 'Filter Toolkit', 'Toolkit Strand', 'Cost', 'Evidence Strength', and 'Months Impact'. A search bar contains the text 'Collaborative learning'. Below the search bar, there is a price indicator with five pound symbols (£) and a red circle with '+5'. The description below the search bar reads 'Moderate impact for very low cost, based on extensive evidence.'

DISTINGUISH BETWEEN

CONTENT AND **CLIP**

(IT WILL HELP KEEP THINGS CLEAR AND SIMPLE).



READ MORE

EVERYTHING ON THE BLOG

COOPERATIVELEARNING.WORKS!



Index of articles & works:

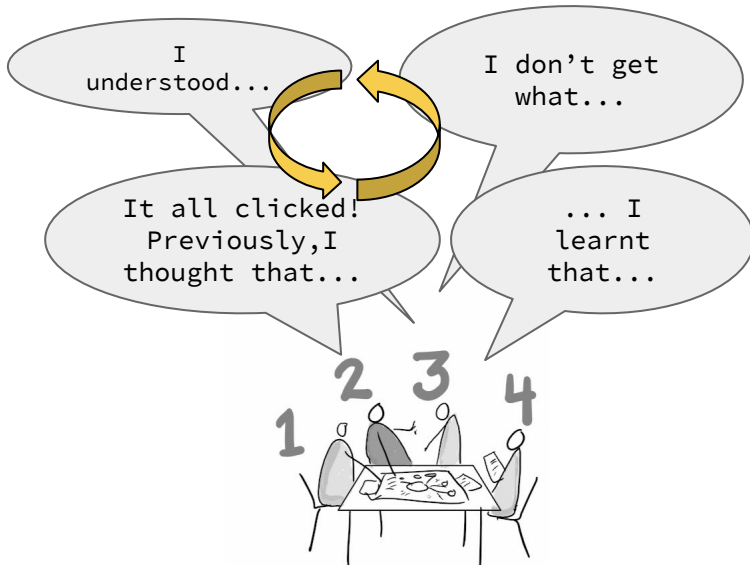
- Introduction; Making Best Use of Resources with Cooperative Learning

CONNECT THE DOTS!

RETRIEVAL & INTEGRATION

CONTENT

30 seconds per person:
“Recap this input.”



WORD-ROUND

CLIP

1. The teacher presents a task with several possible answers.
2. Team members take turns presenting their answer/solution to their team.



MORE ON
COOPERATIVELEARNING.WORKS