

Orchestrating lifelong learning

The image shows a page of a musical score for an orchestra. The score is written in common time (C) and features various instruments. The staves are labeled as follows:

- Flöten. (Flutes.) - I u. II col Flauti.
- Hoboen. (Oboes.) - III I col Fl.
- Clarinetten in B. (Clarinets in B flat.) - II III
- Engl. Horn.
- I u. II. Hörner in F. (Horns in F.)
- III u. IV.
- I. Fagotten. (Bassoons.)
- II u. III.
- Contrafagott. (Double Bassoon.)
- Trompeten in F. (Trumpets in F.)
- Posaunen u. Basstuba. (Trombones and Basstuba.)
- Pauken. (Kettle-drums.)
- Glocken (auf dem Theater.) (Large Bells.) (Behind the scenes.)
- Violino I. (Violins.)
- Violino II. (Violins.)
- Viola.
- Violoncello u. Basso. (Cellos and Basses.) - Vcelli. unis. pizz.

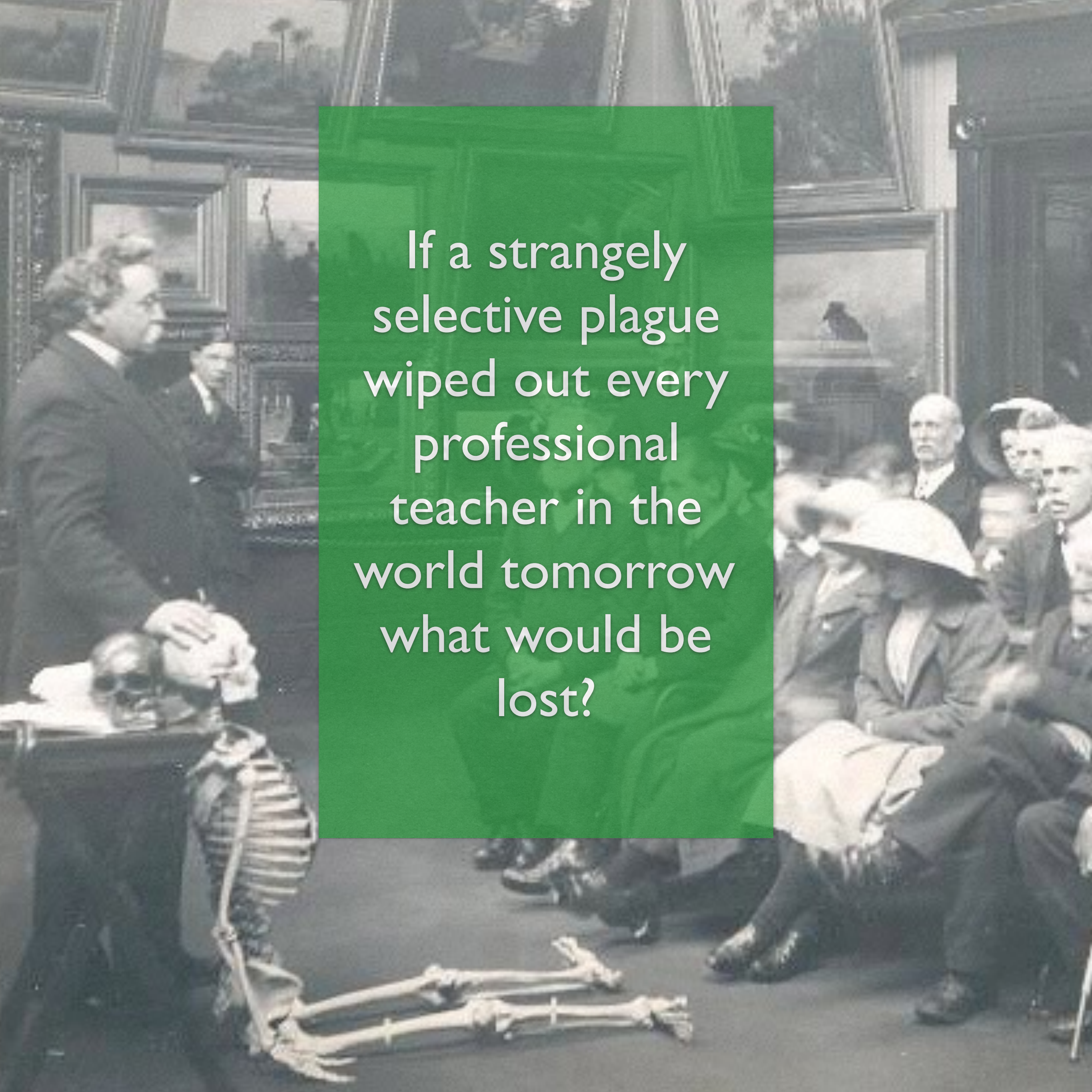
The score includes various musical notations such as notes, rests, and dynamic markings like *pp* and *f*. The page is numbered 'etc' in the top right corner.



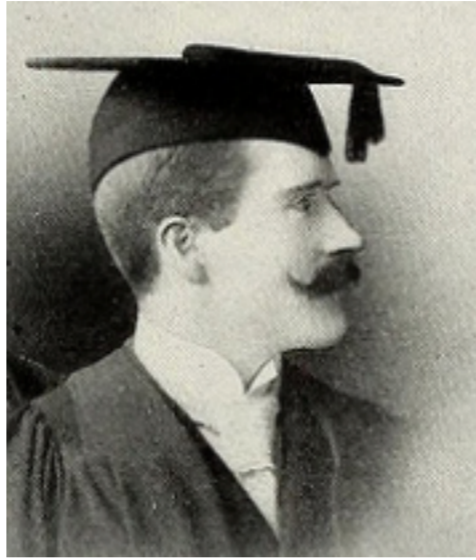
Jon Dron



Technology Enhanced
Knowledge Research
Institute (TEKRI)



If a strangely
selective plague
wiped out every
professional
teacher in the
world tomorrow
what would be
lost?



why teachers?

use the whiteboard to suggest ideas

process management

motivation

feedback

pathfinding

help

support

expert knowledge

accreditation

friendship

orchestration

**what do teachers
do?**

use the whiteboard to suggest ideas

organizing

managing finding telling

filtering guiding showing

modelling designing

supporting

caring connecting

problematizing resolving

challenging inspiring

protecting

encouraging helping

assessing forming

**What/who
teaches?
(apart from
teachers)**

use the whiteboard to suggest ideas

learners buildings librarians
authors
editors designers
legislators playgrounds
timetables books lecture halls
TVs directors desks artists
cooks researchers postal workers
committee structures
tweets instructional designers LMSs pens
games
architects hashtags
Wikipedia editors technicians
actors computers production staff
indexes
bloggers radios cleaners
programmers
clothing designers films teachers

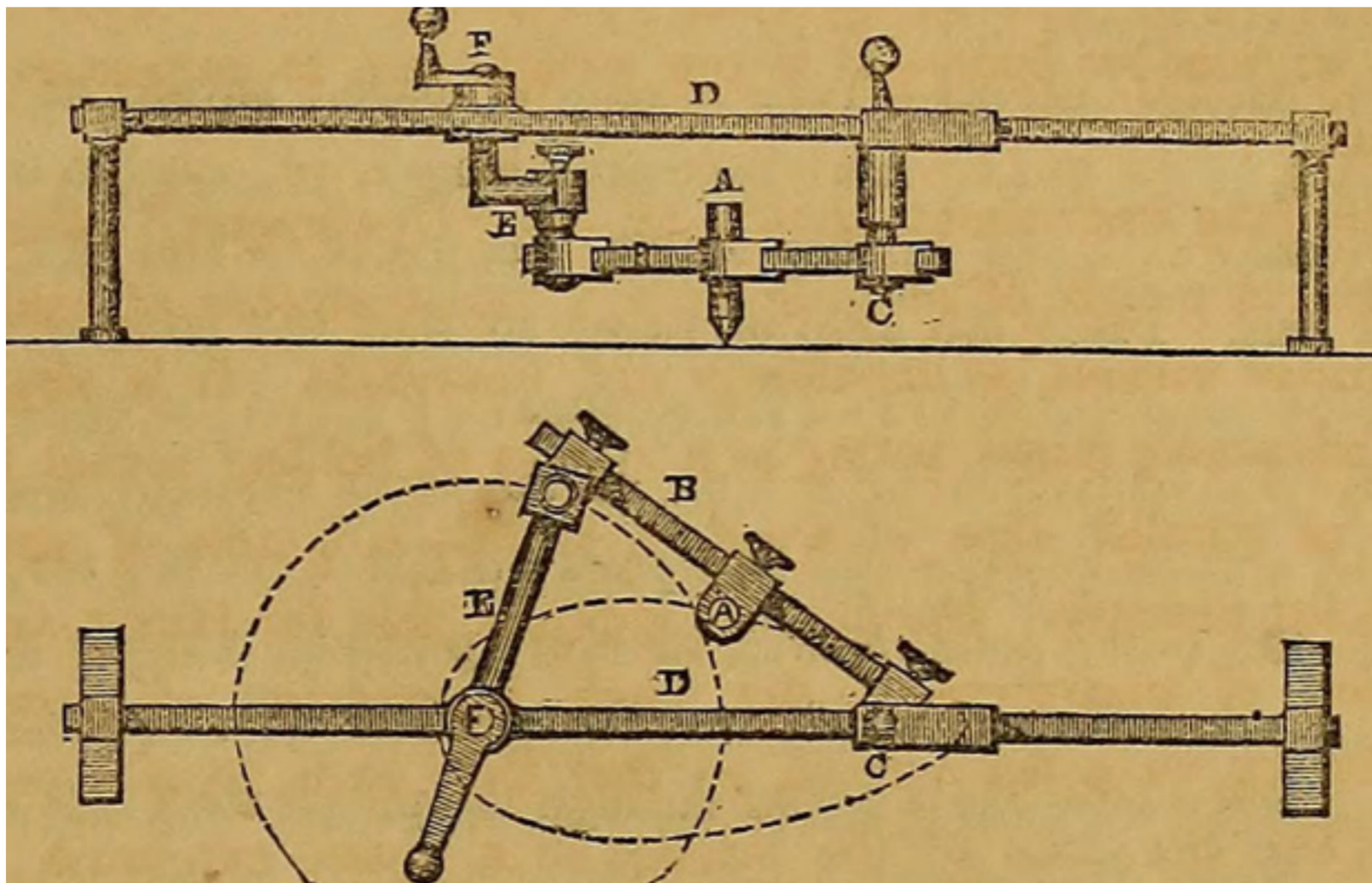
The teaching gestalt

learning as
orchestration



almost every
learning
transaction
involves at least
two teachers
(usually many
more)

Pedagogical assemblies

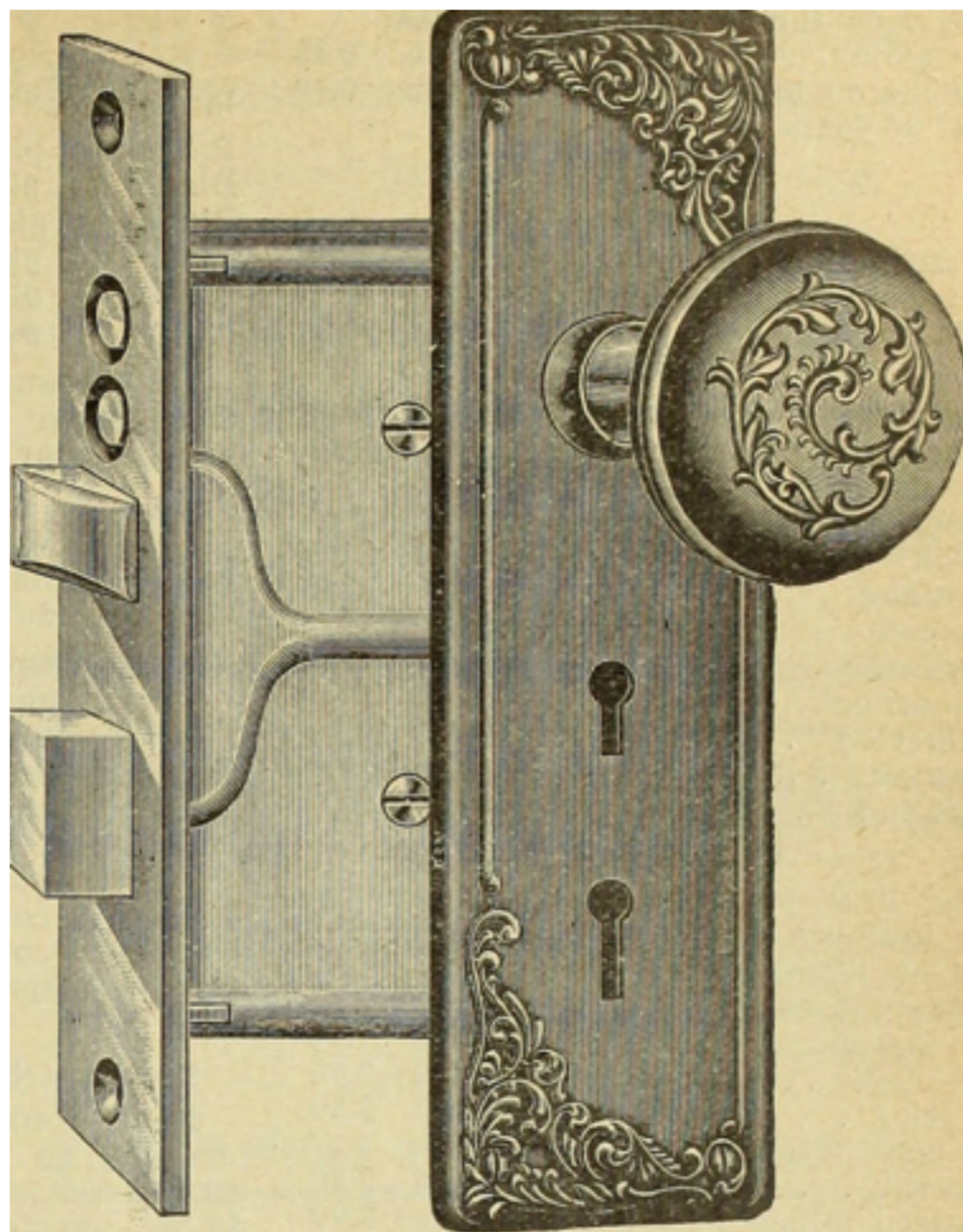


Systems teach

Tue	29 May	9:00	W2**	1hr30m	
Tues	29 May	9:30	W306	3 Hrs	Baib.4.
Tues	29 May	9:30	W502	3 Hrs	Acca.1
Tue	29 May	9:30	W507	2hrs	BEng/MEng CIVIL ENGI
Tue	29 May	9:30	W509	2hrs	BEng/MEng CIVIL ENGI
Tue	29 May	9:30	W623	2 hrs	PCS
Tues	29 May	10:00	W303	2 hrs	INAM
Tues	29 May	13:00	W303	1 hr	INAM
Tue	29 May	14:00	W306	2 hrs	
Tues	29 May	14:00	W507	2 Hrs	Baba-Hnd.1
Tue	29 May	14:00	W509	2hrs	BEng/MEng CIVIL ENGI
Tue	29 May	15:00	W303	2 hrs	
Tues	29 May	15:00	W623	3hrs+	M Pharm

4 = some students may take extra time (15 mi

Doorknobs teach



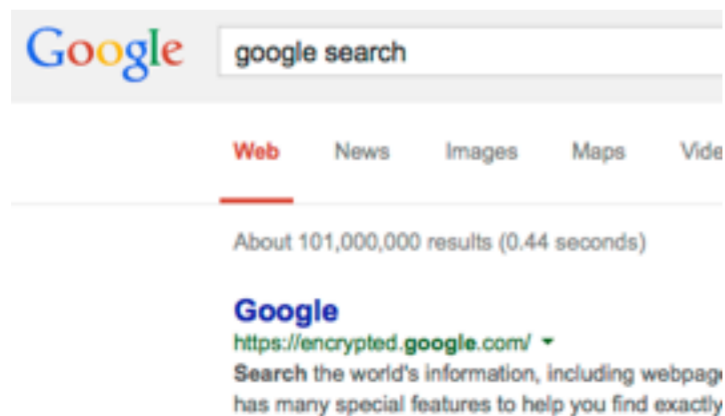
all of which
leads
circuitously
to...



orchestrating lifelong
learning

You want to learn something.

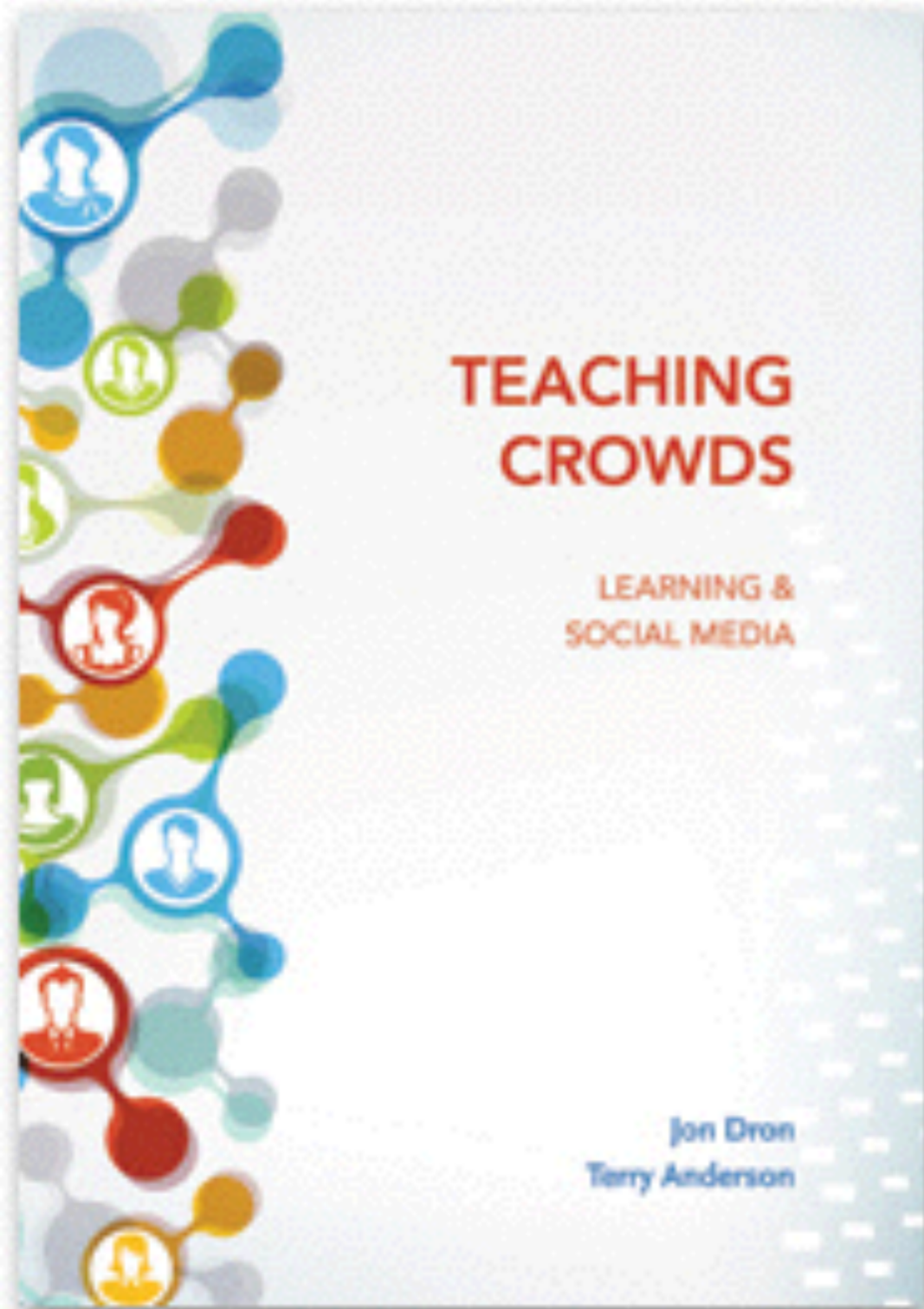
What do you do?



(hint)



Teaching Crowds



<http://teachingcrowds.ca>

How do other
people help us to
learn?

use the whiteboard to suggest ideas

Teachback

Filtering

Motivating

Problem sharing

Confirming

Diverse perspectives

Problem solving

Challenging

Identity forming

Critiquing

Giving permission

Supporting

Finding

Division of labour

Sharing

Caring

Validation



**Traditional
teaching is about
groups**



power relationships

sequence

exclusion

membership

duration

rules

norms

hierarchies

pace

collaboration or contest

structure

names

rites of joining and leaving

Some group problems

- pacing
- group dynamics
- group-think
- administrative overhead
- limited expertise
- timing constraints
- cost



Alternatives to groups



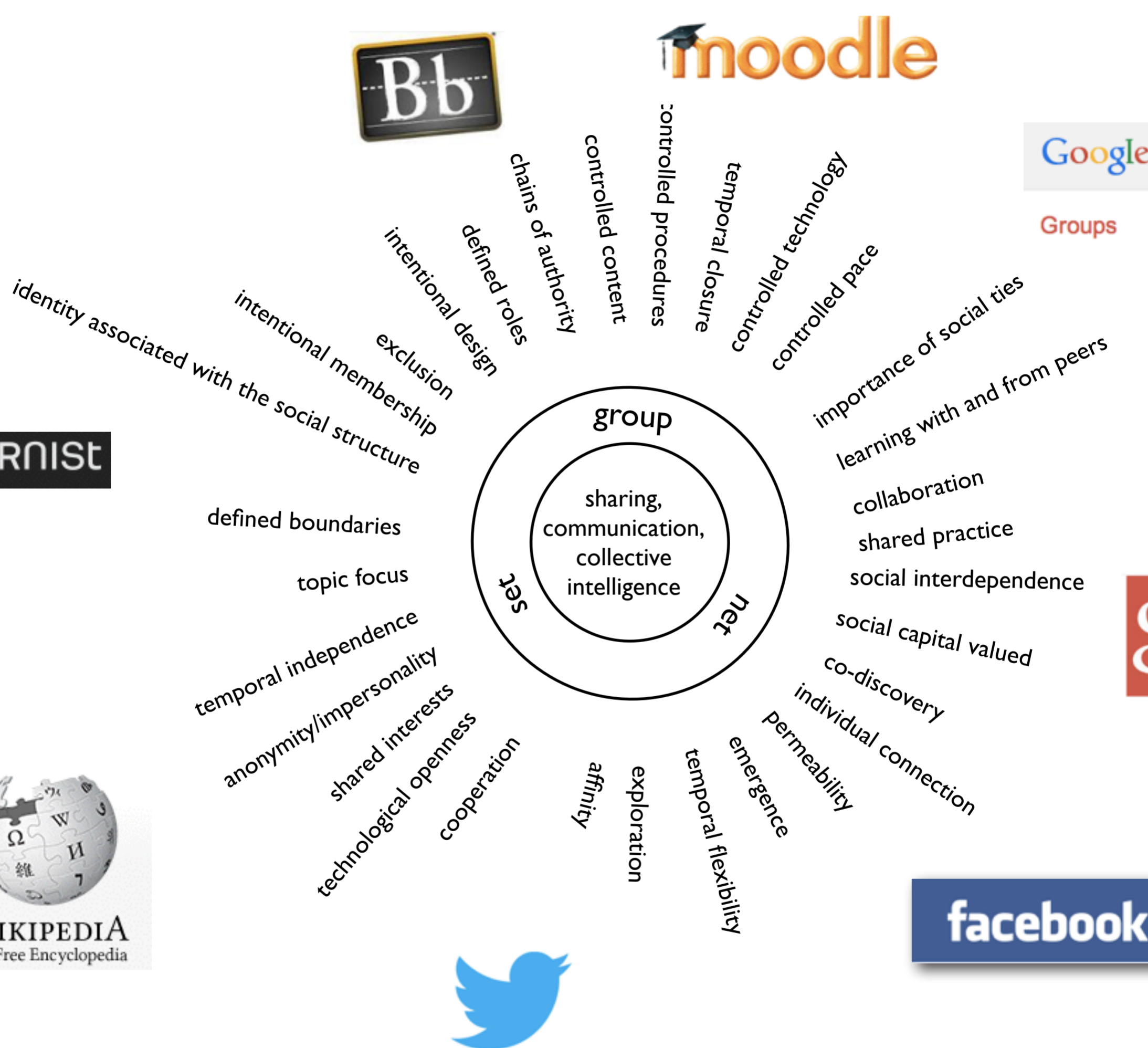
Individual study

other social forms





Groups



Generations of distance learning pedagogies

- 1. Behaviourist/Cognitive –**
Self Paced, Individual Study,
- 2. Social constructivist –**
Groups, classes
- 3. Connectivist –** *Networks*
- 4. Holist -** *Sets and Collectives*

individual

group

net

set

some orchestration issues

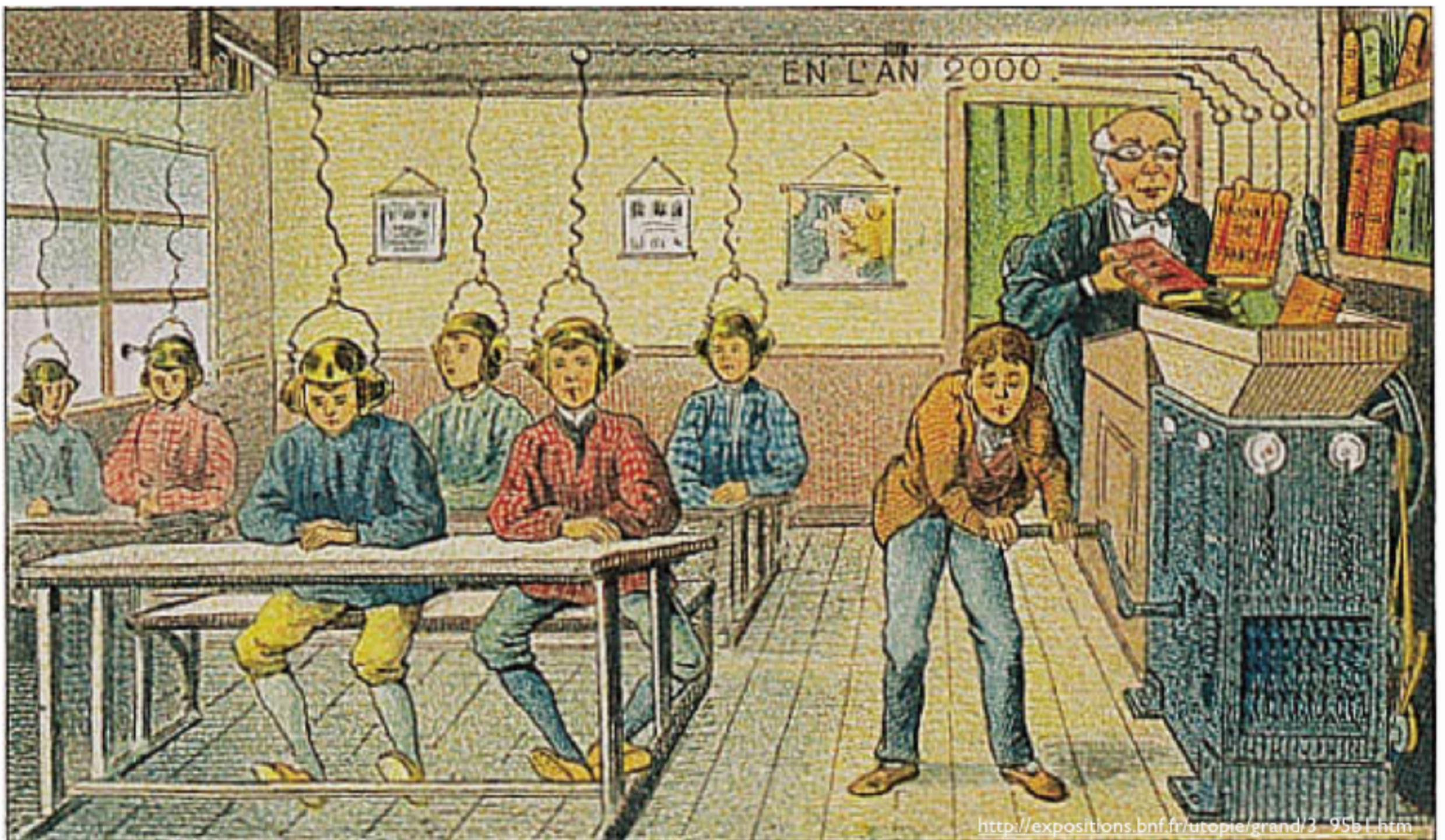
Nets

- filter bubbles
- lack of direction
- inefficiency

Sets

- flaming, griefing, trolling
- finding the right set
- reliability

The future?



Distributed content

The collage illustrates distributed content across different platforms and formats:

- Video Content:** Four video thumbnails are shown on the left, including "An Open Letter to Educators" by Dan Brown, "Athabasca Landing" by Moushir M. El-Bishouty, "Videochat tool - Overview" by SpeakApps, and a video showing a person using a laptop.
- University Website:** A central screenshot of Dr. Jon Dron's website at Athabasca University, featuring his contact information and a list of articles.
- Social Media:** A screenshot of a social media feed with categories like "Philosophy", "Lifestyle", and "Social Sciences", showing various posts with images and text.
- Wikipedia Article:** A screenshot of the Wikipedia article for "Stigmergy", including the title, navigation tabs (Article, Talk), and the beginning of the text: "Stigmergy is a mechanism...".

Distributed accreditation



BADGES



OpenEd Researcher

Student Submissions



Fifty Suits of Grey

Liam Higgins Saunders. I work as a cartoonist and illustrator, producing strips, features and news cartoons for many publications,...

[More submissions like this at Book Cover for Your Autobiography »](#)



One Slow Walk - On the (com)plaints of an African Queue

I queued. Voluntarily. At The Department of Manpower! The dreaded DOM queues held me for just a while. Queues get a...

[More submissions like this at Observation Lab »](#)



Skills & Expertise

Most endorsed for...

57 E-Learning

47 Distance Learning

19 Moodle

18 Educational Technology

15 Lecturing

13 University Teaching

9 Teaching

8 Higher Education



Athabasca University

E-LAB PORTFOLIO



WESTERN GOVERNORS UNIVERSITY

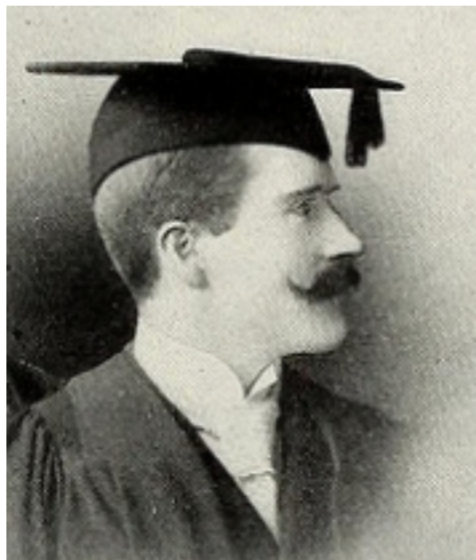
ONLINE. ACCELERATED. AFFORDABLE. ACCREDITED.

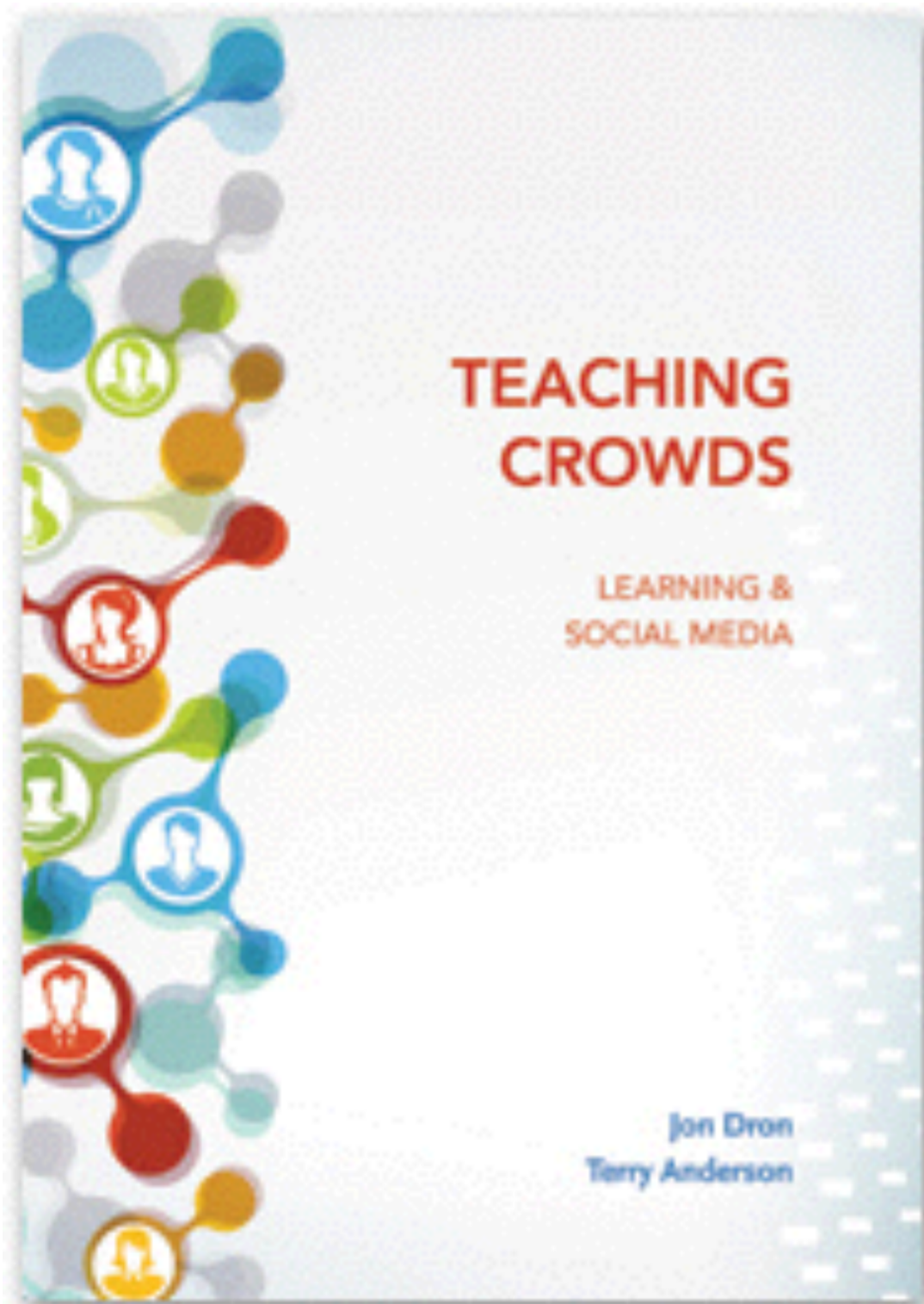
Sense-making

The image is a collage of digital interface elements. At the top, a Moodle dashboard shows navigation tabs: 'Your Dashboard', 'Research', 'teaching', 'My stuff', '266 moodle', 'Following', and 'MyAU'. Below these are three widgets: 'Group activity' with a comment from Greg Widmeyer, 'Group membership' for 'Adobe Connect Users', and a 'Tag cloud' with terms like 'lms, assessment, meeting, podcast, plugin, journal'. A browser window in the middle shows a Lifehacker article titled 'Can I get an online comp-sci degree from a respected institution?' by Walter Glenn. Below the browser, an Evernote Atlas map displays note counts for various locations: All Notes (448), Vancouver (352), Edmonton (44), Toronto, Montreal, and Maastricht. A sidebar on the left lists shortcuts for notes and notebooks.

So...

What roles are
left for teachers?





Thank you!



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jondron@gmail.com



[https://landing.athabascau.ca/
profile/jond](https://landing.athabascau.ca/profile/jond)

<http://teachingcrowds.ca>