

Active Learning Methods

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What is the most dominating
teaching method?

Presentation

Lecture

What is good about lectures?

Easy to design and organize

What is the negative aspect of lectures?

Passive

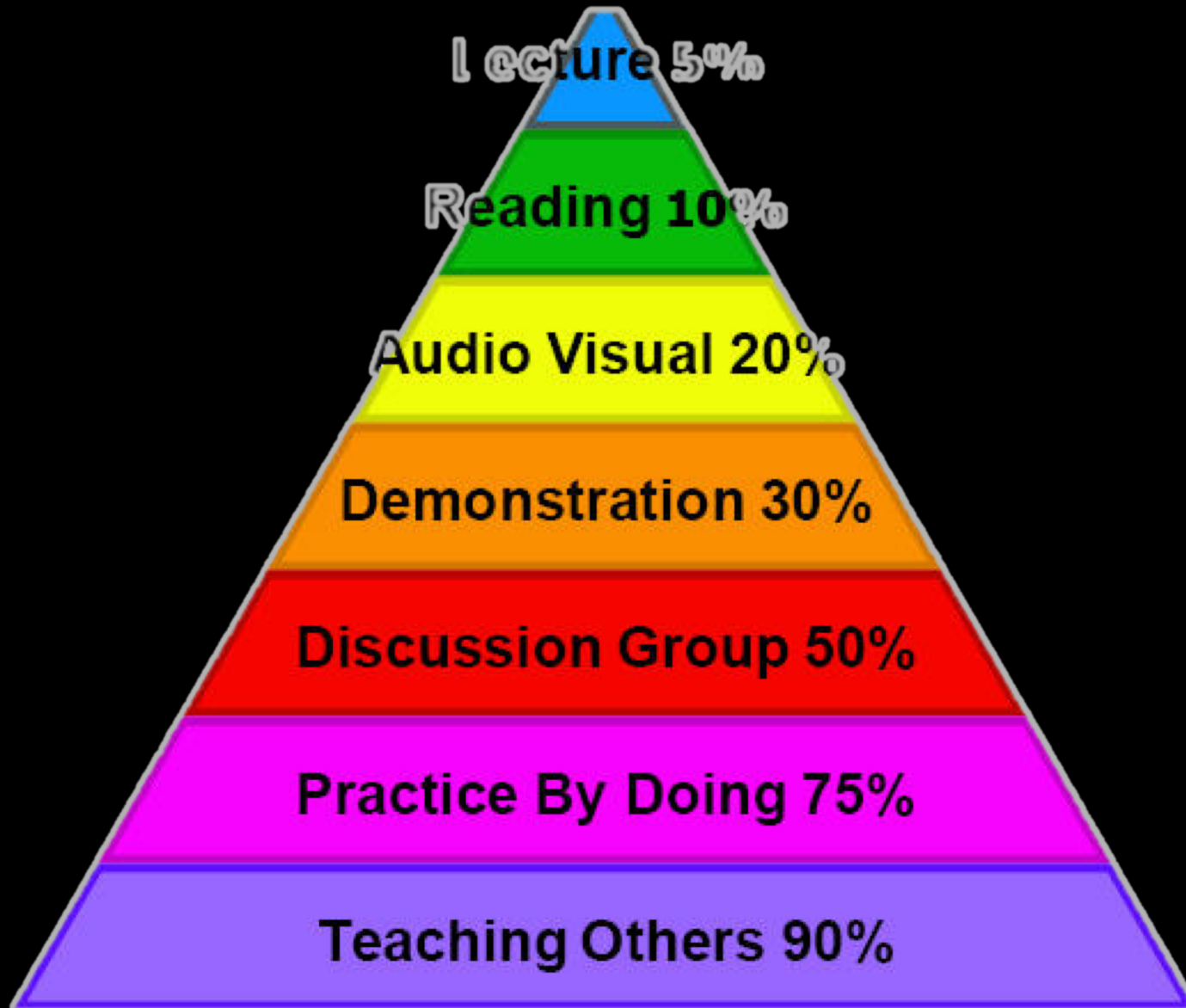
Small impact

Tedious

Lecture

- Lecture is a transformation of the information from the teacher's conspectus to the students' notes without touching their brains
- 6 months after the lecture students remember 5% of the content
- Content needs to be repeated during the 24 h in different context and preferably in an active way

Learning Pyramid



Active Learning

Misleading concept

Passive learning is not possible

Teaching methods that allow students to be passive are possible

Passive teaching is possible

Active Teaching

Active Learning Characteristics

- Motivation
- Courage
- Freedom
- Originality
- Creativity
- Discovery
- Independent thinking
- Critical thinking
- Communication
- Collaboration
- Acting according to the situation
- Meaningful tasks (related with real life)
- Self and peer evaluation

Active Learning Activities

Active Presentations

- Demonstration
- Drama
- Elevator Pitch
- Guest Speaker
- Seminar
- Student Presentation
- Visiting Lecturer

Active Exercises

- Bingo
- Book Report
- Charting
- Concept Mapping
- Cross Word making
- Drawing
- Journaling
- Modeling
- Note taking
- One-Minute Paper
- Portfolio
- Puzzle
- ...

Creative Methods

- 635
- Benchmarking
- Brainstorming
- Collective Notebook
- Delphi
- Pro and Con Grid
- Six Hats
- ...

Discovery

- Case Study
- Data Collection
- Experiment
- Inquiry
- Interview
- Questioning
- ...

Critical Thinking

- Asking Questions
- Socratic Instruction
- ...

Communication

- Debate
- Discussion
- Peer exchange
- Peer sharing
- ...

Collaboration

- Group Work
- Jigsaw
- Pair
- Practice community
- Snow ball
- Think-Pair-Share
- ...

Meaningful Tasks

- Field trip
- Field work
- Game
- Problem solving
- Project
- Role Play
- Simulation
- Site visit
- Treasure hunt
- Tutorial
- Workshop
- ...

Active Evaluation

- Entrance & Exit Ticket
- Exhibition
- Experts
- Peer Review
- Portfolio
- Quiz
- Self-assessment
- Self-reflection
- ...

Active Teaching

- Coaching
- Facilitating
- Feedback
- Mentoring
- Scaffolding

More Active Teaching Scenarios

itec.aalto.fi/scenarios



Coffee Break!