

Strengthening Teaching Competences
in Higher Education
in Natural and Mathematical Sciences



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**Flexible
pedagogies:
Creating
interactive
teaching materials**

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Why interaction is important?

- To make the lesson more interesting



- To encourage creativity and thinking



- To have feedback



- To help students remember the main aspects of the lecture



- To exchange knowledge



- ...



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How to make interactive teaching materials?

- Make quizzes, polls and surveys



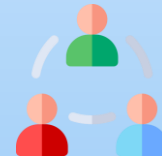
- Add examples and ask for examples



- Use multimedia platforms



- Create tasks for working in groups



- Include video materials



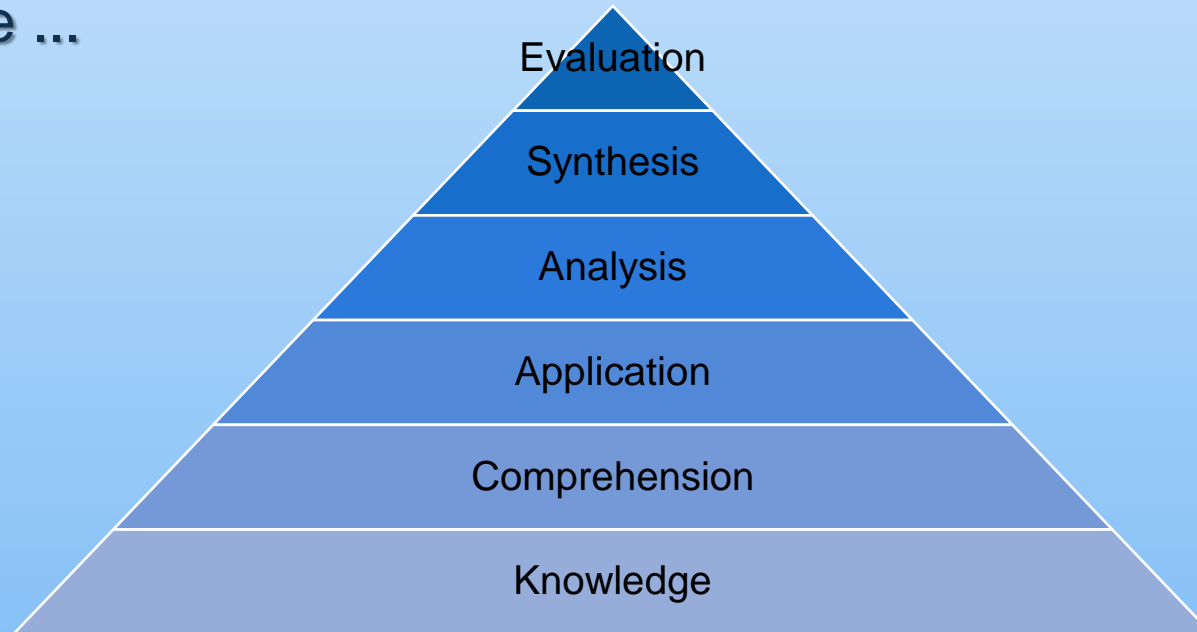
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How to make interactive video material?

- Add questions, tasks, assignments ... to the video that students are watching
- Broke the passive way of watching the video clips
- Activate students to compare, predict, anticipate, deduce, recapitulate, re-translate, choose ...



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How to add questions in video material?

- You can use your own videos or existing video clips
- There are many tools for making interactive video materials.

One of them is the Edpuzzle tool



edpuzzle



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How to add questions in video material?

- You can add different types of questions to a video clip

- open questions
- multiple choice
- Note



edpuzzle

- Edpuzzle also includes a testing system



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**THANK YOU FOR
YOUR ATTENTION!**

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