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Tips on how to develop a training course

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EOSC Future will provide a user-friendly environment for:

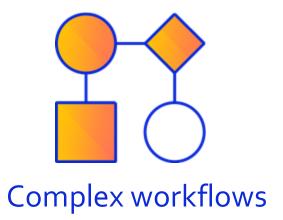


Data discovery





Data storage





Data recomposition

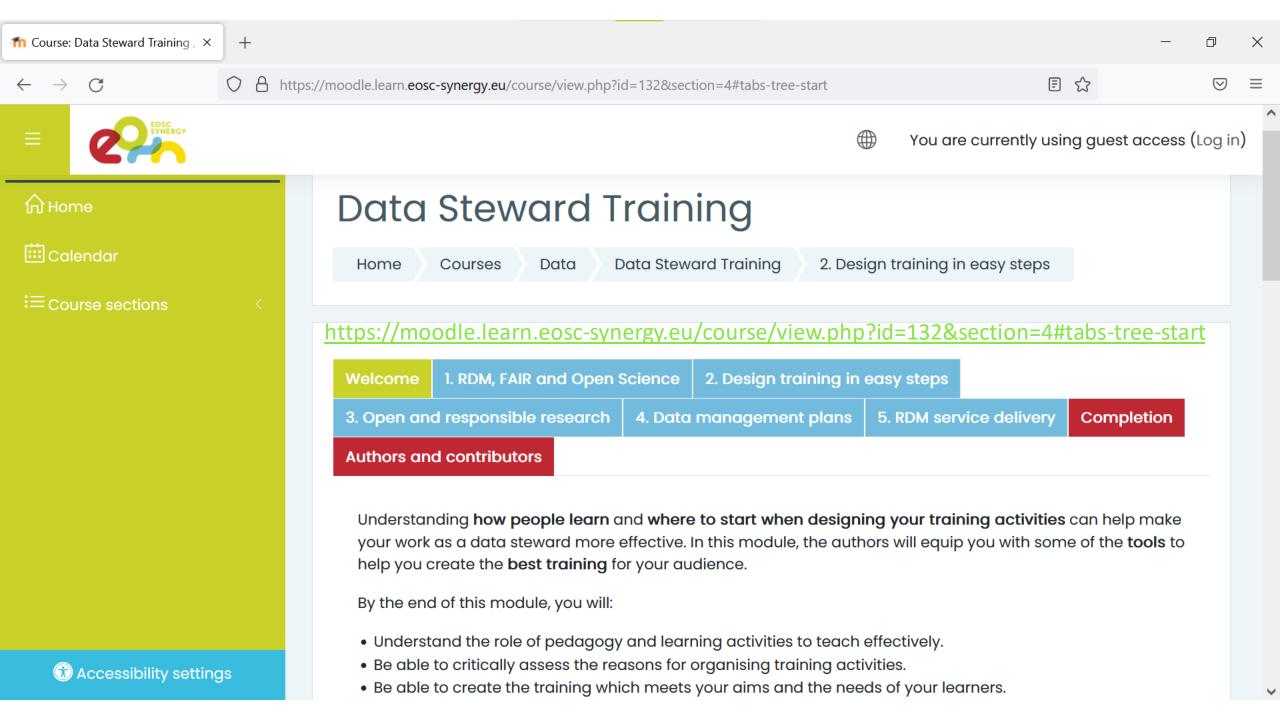


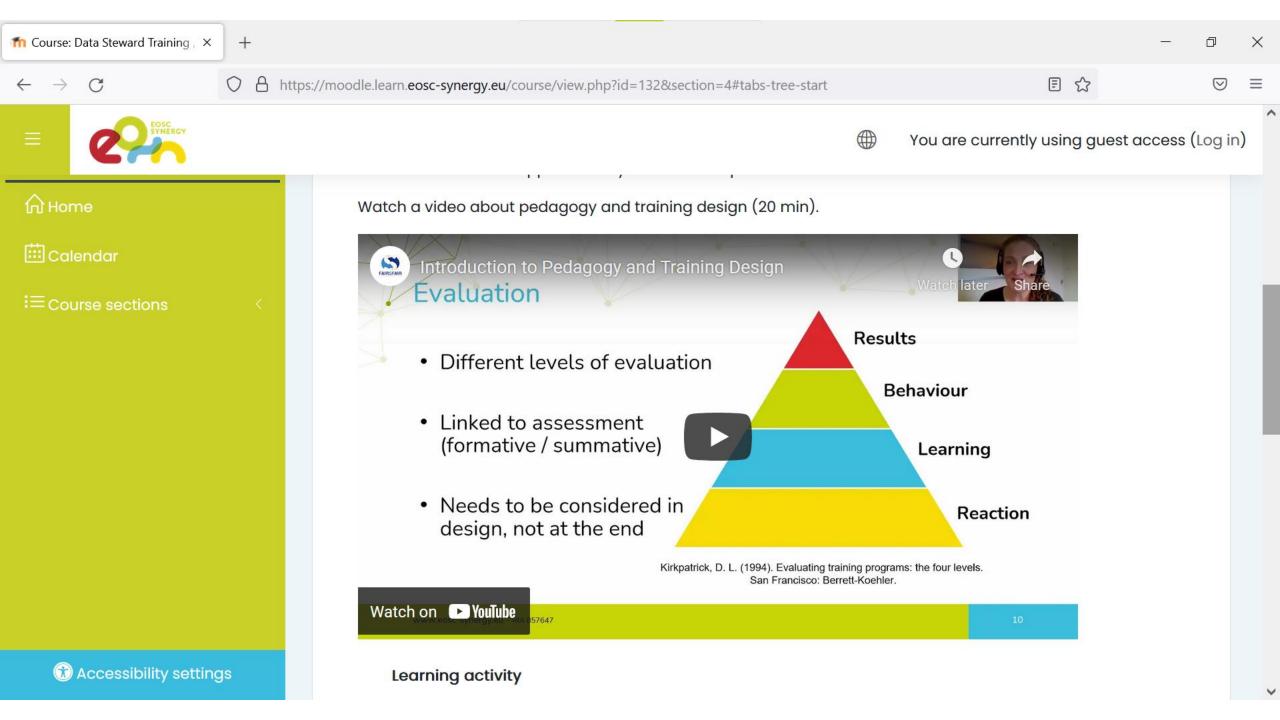


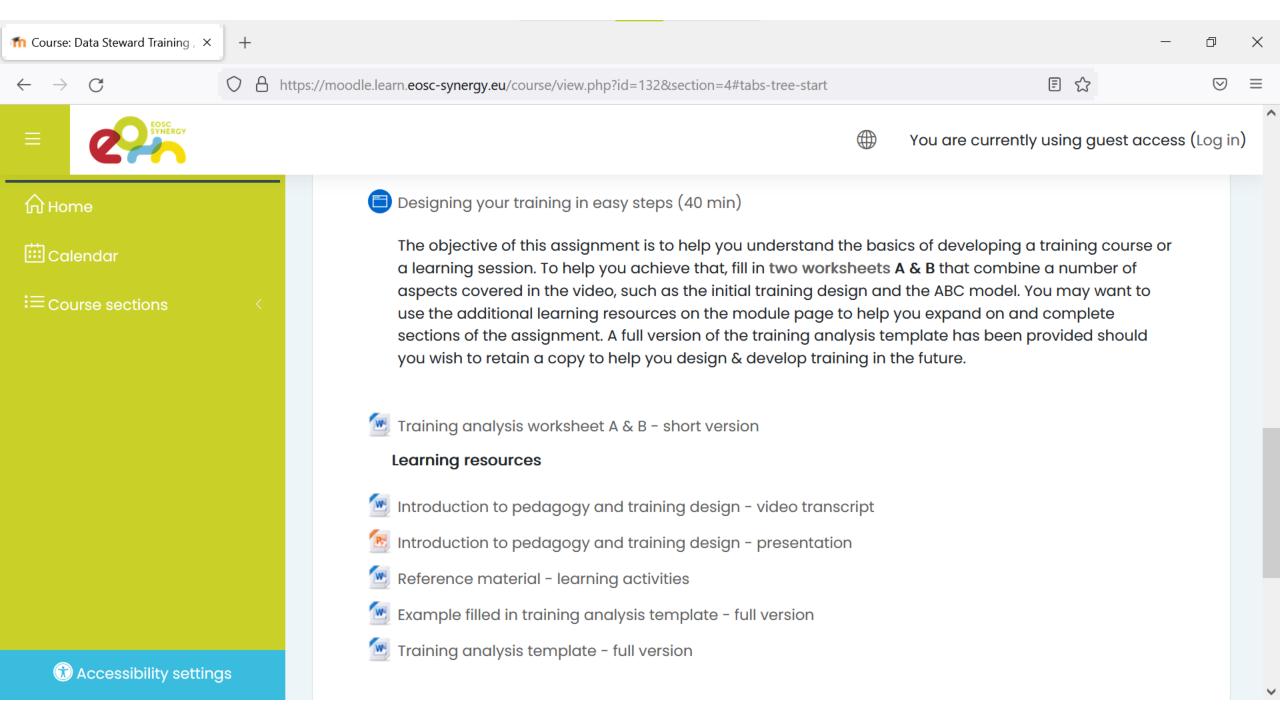












Your title and broad topics Include a short descriptive title. Why do learners need to know about your topic/service? What does it offer?	
Training goal Why are you doing this training? What would success look like? This can include developing skills, gaining knowledge and changing attitude, improving service awareness/use etc.	
Audience Who is your target audience? This could be particular roles (eg researcher, students), knowledge level (eg aimed at beginners) or task based - eg those who want to be able to do a specific task.	
Benefits/outcomes for learners What will learners gain from your training? What will they be able to do? What will they know? It is helpful to use the phrase 'By the end of this training you will: Be able to Be familiar with Have practiced '	
Content	

<u>Training analysis worksheet A & B - short versionFile</u>

https://moodle.learn.eosc-synergy.eu/course/view.php?id=132§ion=4#tabs-tree-start

Learning outcomes (this is what your learning activities should achieve):

1. E.g. Be able to practise Open Science.

2. ...

3. ...

	Learning activity 1	Learning activity 2	Learning activity 3			
Topic 1 E.g. Introduction to Open Science	E.g. Acquisition: Video, online forum	E.g. Practice: Use data repositories				
Duration						
Assessment (if applicable)						
Topic 2						



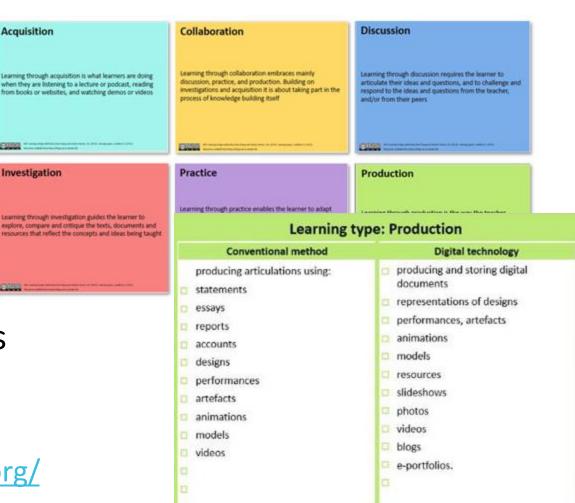
The ABC learning design method

- Well established
- Quick and simple (1.5 hours)
- Can be done online

- Map learner journey
- Identify learning type activities
- Select specific activities



https://abc-ld.org/







Acquisition

Learning through acquisition is what learners are doing when they are listening to a lecture or podcast, reading from books or websites, and watching demos or videos

Collaboration

Learning through collaboration embraces mainly discussion, practice, and production. Building on investigations and acquisition it is about taking part in the process of knowledge building itself

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Discussion

Learning through discussion requires the learner to articulate their ideas and questions, and to challenge and respond to the ideas and questions from the teacher, and/or from their peers



Investigation

Learning through investigation guides the learner to explore, compare and critique the texts, documents and resources that reflect the concepts and ideas being taught

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Practice

Learning through practice enables the learner to adapt their actions to the task goal, and use the feedback to improve their next action. Feedback may come from selfreflection, from peers, from the teacher, or from the activity itself, if it shows them how to improve the result of their action in relation to the goal

Production

Learning through production is the way the teacher motivates the learner to consolidate what they have learned by articulating their current conceptual understanding and how they used it in practice



Introduction to pedagogy and training design

Adapted from the EOSC Synergy Train the Online Trainer course Helen Clare, Jisc & Linas Cepinskas, DANS





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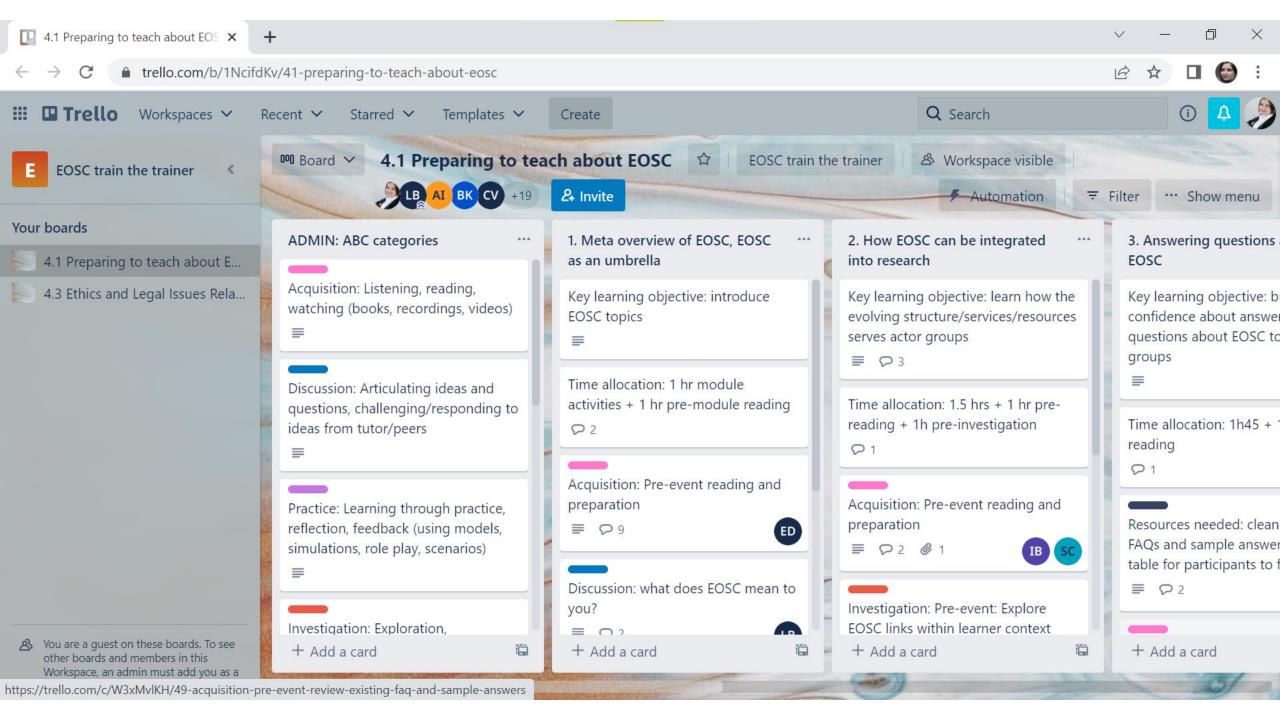




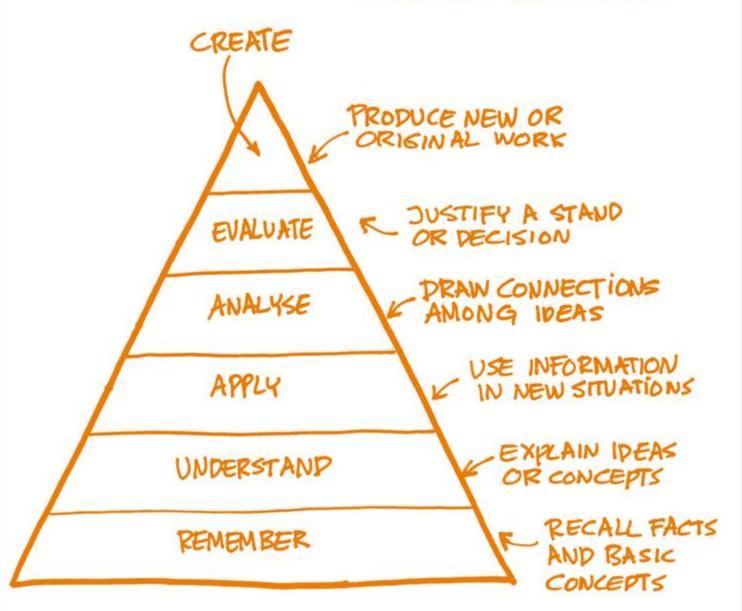




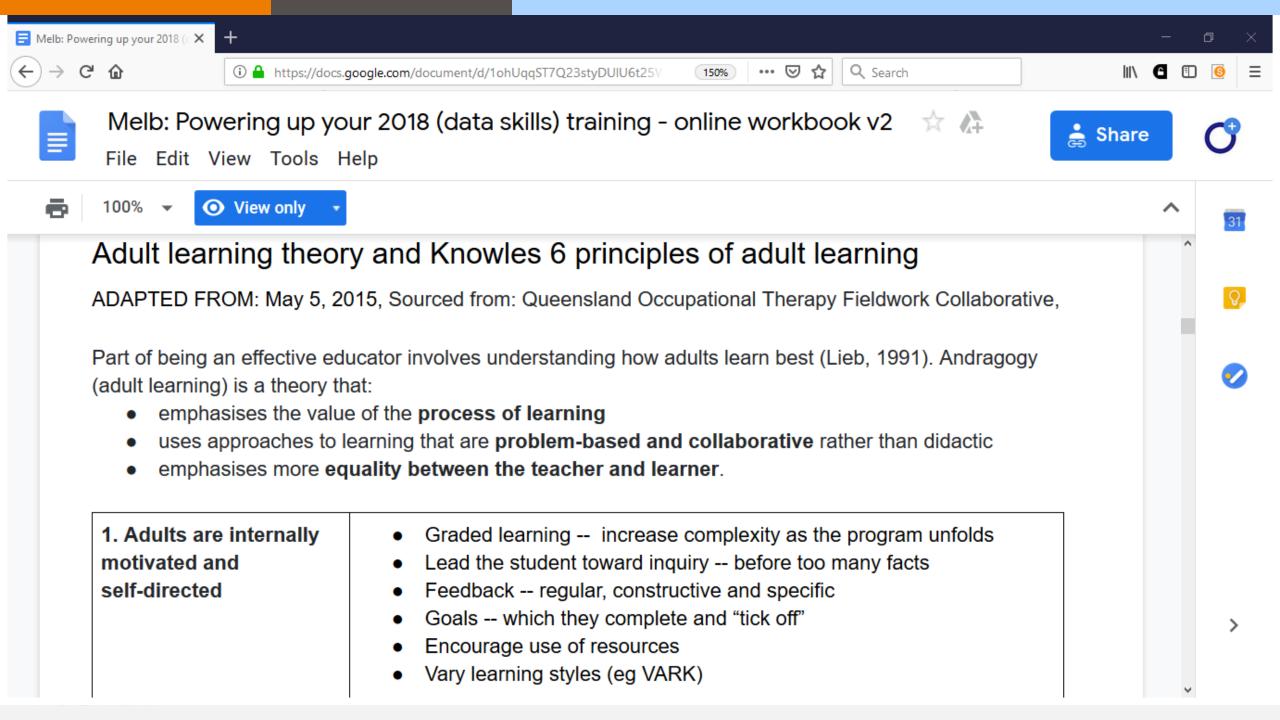


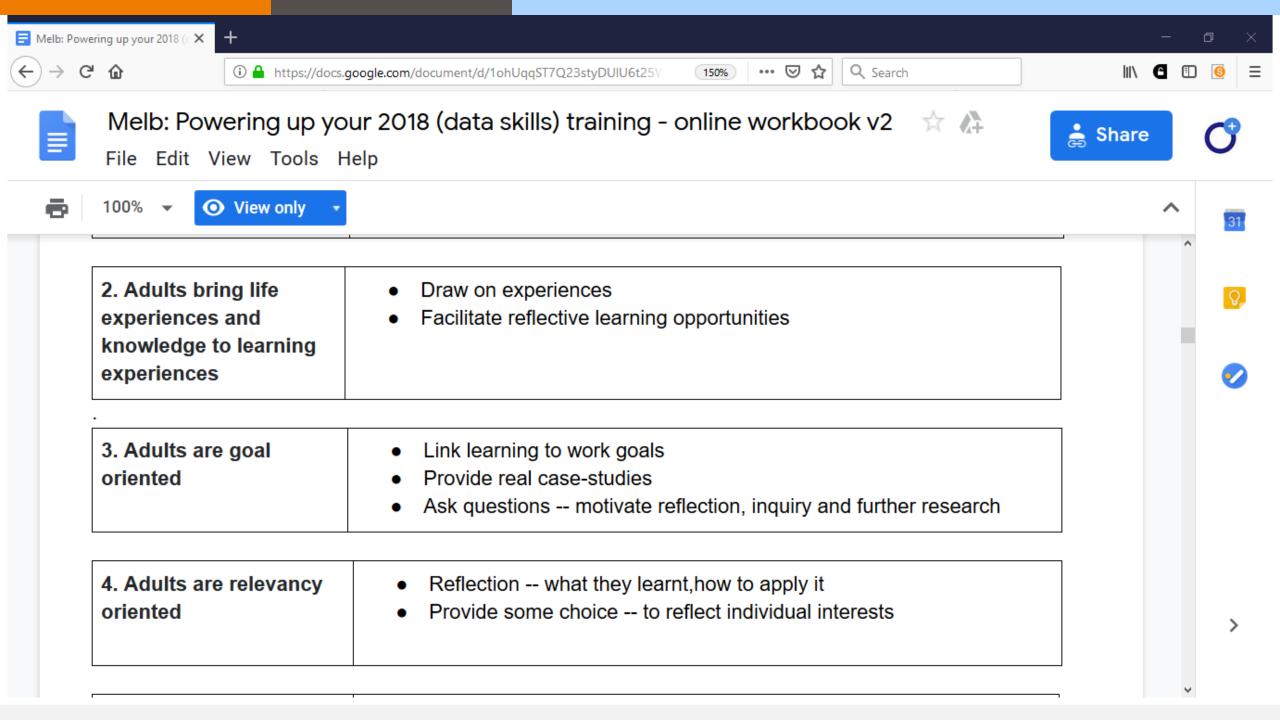


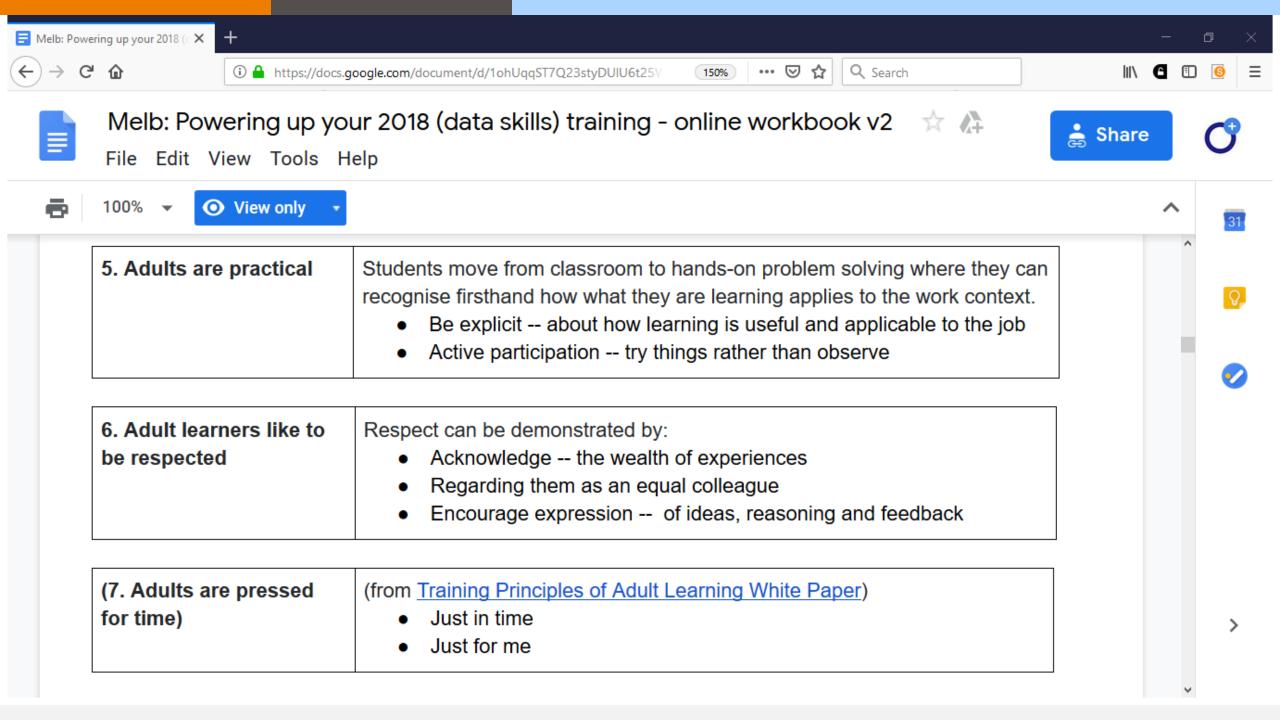
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Plan based on learning outcomes rather than objectives

Learning objectives

- Describe the intentions of the instructor by stating the purpose and goals of the course.
- Focus on the content and skills important within the programme.
- May describe what the instructors will do.
- Should be specific and detailed.



Learning outcomes

Learning outcomes are statements that describe or list measurable and essential mastered content-knowledge — reflecting skills, competencies, and knowledge that trainees have achieved and can demonstrate upon successfully completing a course.



https://open-science-training-handbook.gitbook.io/book/on-learning-and-training

Learning outcomes (2)

Outcomes express higher-level thinking skills that integrate course content and activities and can be observed as a behavior, skill, or discrete usable knowledge upon completing the course.



Learning outcomes (3)

Outcomes are exactly what assessments are intended to show - specifically what the trainees will be able to do upon completing the course.

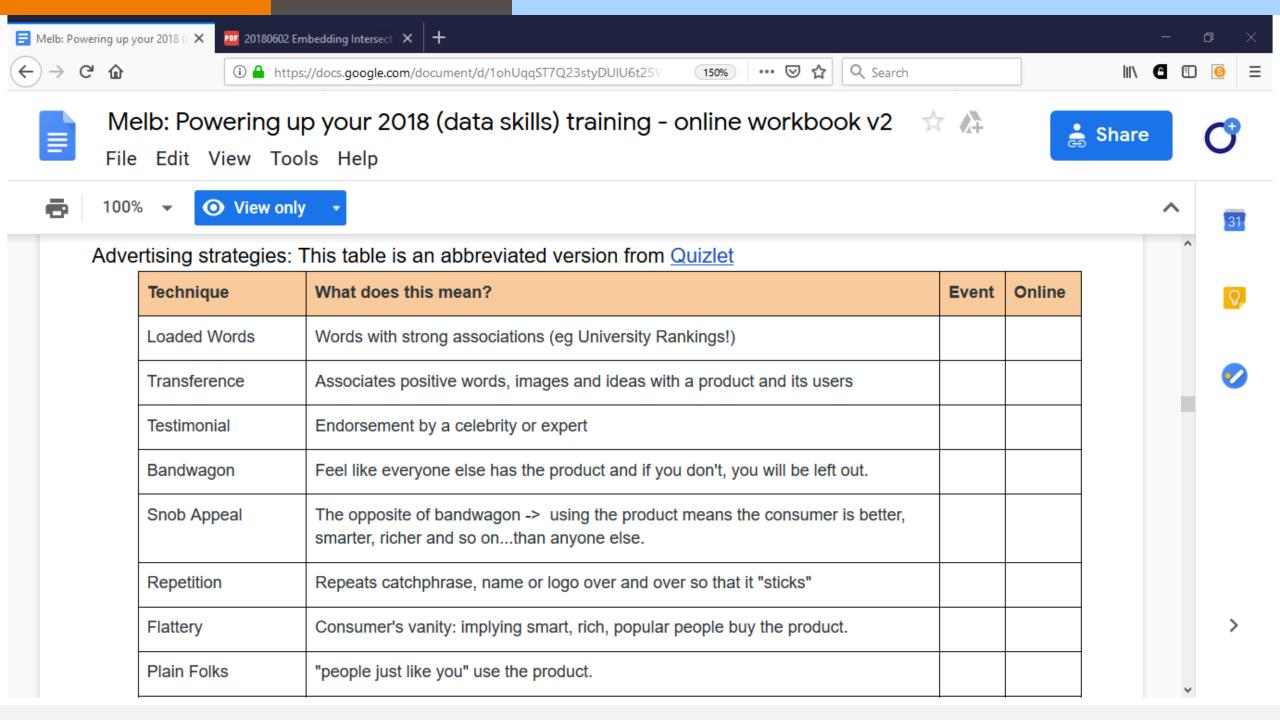
An assessable outcome can be displayed or observed and evaluated against criteria.

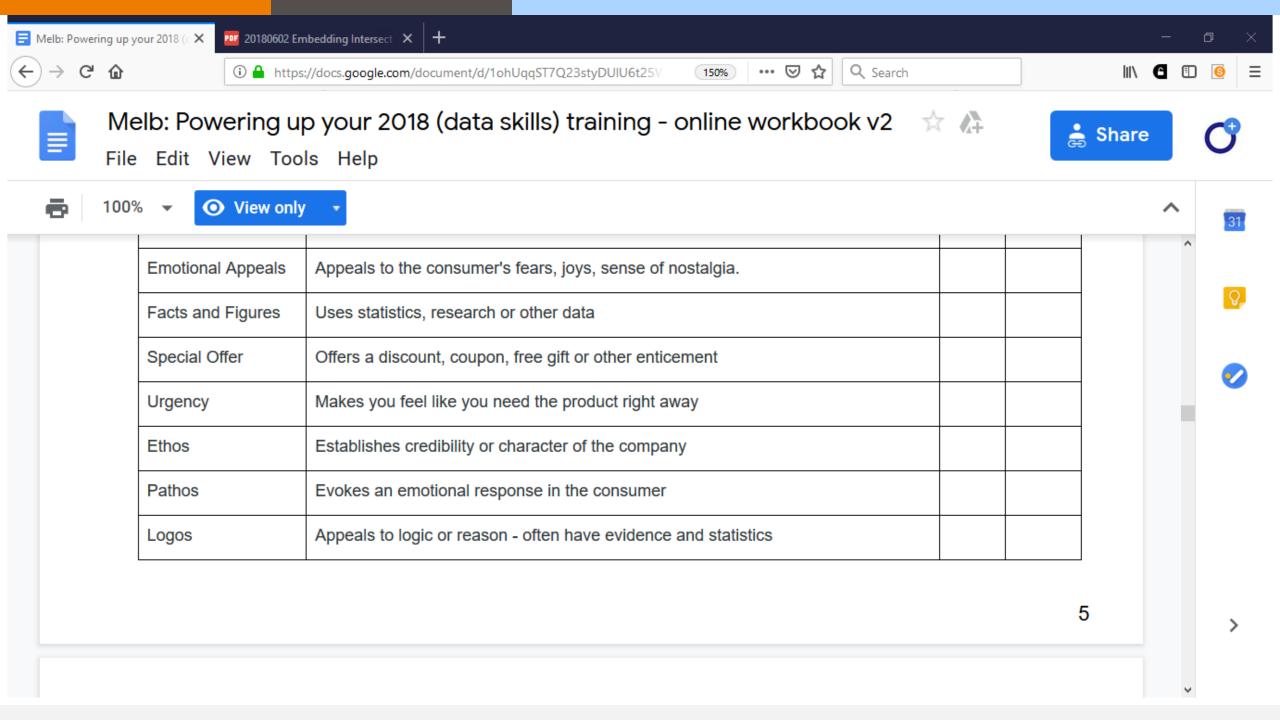
Outcomes are clear and measurable criteria for guiding the teaching, learning, and assessment process in the course

Finding a place for your training & messages in the competitive research landscape

- What methods do you, and could you, use to drive attention to your training activities?
- What methods do you, and could you, use to drive up attendance at your training activities how can you turn REGISTRATION (i.e. interest) into ATTENDANCE (i.e. action)







References

- Introduction to pedagogy and training design FAIRsFAIR video https://www.youtube.com/watch?v=97aIKc_EOkk
- Link to pedagogy section of EOSC-Synergy/FAIRsFAIR course with templates https://moodle.learn.eosc-synergy.eu/course/view.php?id=132§ion=4#tabs-tree-start
- Open Science Training Handbook
 https://www.fosteropenscience.eu/content/open-science-training-handbook



