

Learning with Communication and Collaboration technologies

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Learning outcomes

When you have successfully completed this session you will be able to:

- Use a range of communication and collaboration technologies to support learning in groups
- Discuss principles for successful group learning

Dr Liam Boyle

Background:

- Teaching and Learning
- Distance Learning
- e Learning
- Academic Professional Development

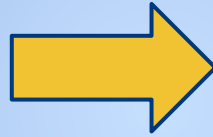


Activity 1 - Learning in groups

- 3 groups
- Group 1: Identify a range of methods for learning in groups
- Group 2: Identify benefits and advantages of learning in groups
- Group 3: Identify problems and disadvantages of learning in groups
- Feedback using google docs Presentation



Link to Feedback
Presentation
Activity 1



Online technologies for learning

Mindmap



- Resources
 - Text, video, audio
- Communications
 - Synchronous:
 - Chat, Instant messenger, Skype, Video conferencing, Live classroom
 - Asynchronous
 - Email, Discussion boards,
- Construction
 - Mind maps, animation, posters, etc.

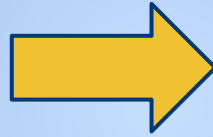
Activity 2 - Technologies

- Work in pairs
- Access the mindmap at <http://www.mindmeister.com/185776606/learning-communication-and-collaboration>
- Survey the content
- Choose 1 (or 2) products to explore
- Review the product
- Include your review in google docs spreadsheet

Mindmap



Link to Review
Spreadsheet



Constructivism

- Learning is more about construction than transfer
- Cognitive constructivism (Piaget)
 - How we construct knowledge in our brains
- Social constructivism (Vygotsky)
 - How interaction with others is important for knowledge construction
- Learn by doing, in groups?

Constructivism

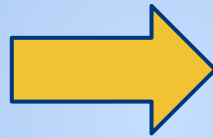
Jonassen

1. Multiple representations of reality
2. Reflect complexity of the real world
3. Knowledge construction instead of reproduction
4. Authentic tasks in a meaningful context rather than abstract instruction out of context
5. Real-world settings (or case-based learning)
6. Encourage reflection on experience
7. Context-dependent and content-dependent
8. Collaborative construction of knowledge through social negotiation, not competition among learners for recognition

Activity 3 - Some Theory

- 3 groups
- Each group has the same task:
 - Generate five principles to support constructivist learning
- Use google documents Presentation to feed back to whole group

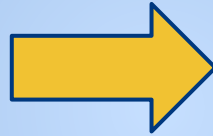
Link to Feedback
Presentation
Activity 3



Activity 4 - Planning

- Individually
- Identify one feasible way you can integrate online Communication and/or Construction into a module that you teach
- Write a brief statement on this and place on Wallwisher wall:
 - <http://wallwisher.com/wall/sxn2o3h2y6>

Link to
Wallwisher Wall
Activity 4



Thank you

For further information contact: Liam.
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