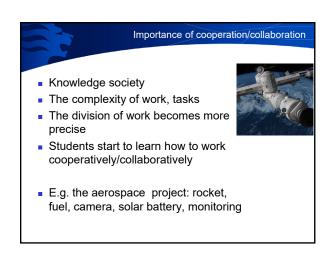


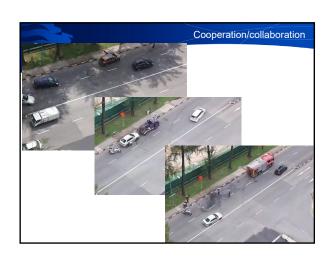
Collaborative learning

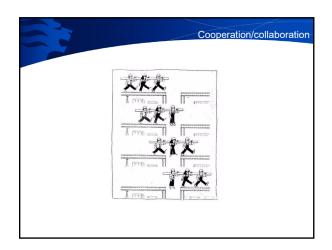
- Collaborative learning is "a situation in which two or more people learn or attempt to learn something together" (Dillenbourg, 1999)
 - Situation: learners with similar background, learning objectives
 - 2 or more: Small group, a class, or a community
 - Learn something: study a course, perform learning activity
 - Together: interactive
- Focus on: co-construction or knowledge & Mutual engagement of participants

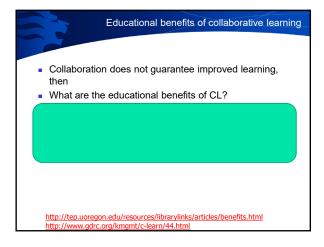
Cooperative learning is the instructional use of small groups so that students work together to maximize their own and each other's learning (Johnson, Johnson, & Smith, 2013) Competitive learning (work against the others) & individualistic learning (unrelated to others)

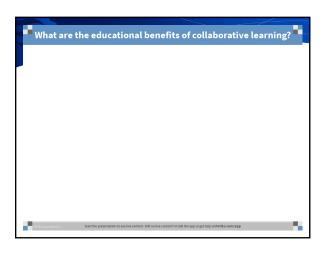
Cooperative Learning Collaborative Learning

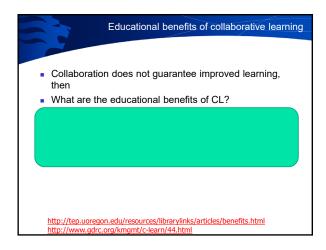


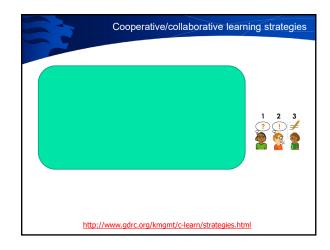




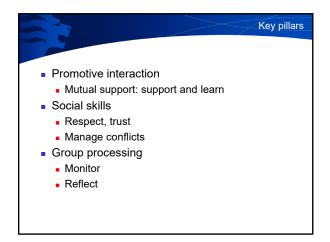


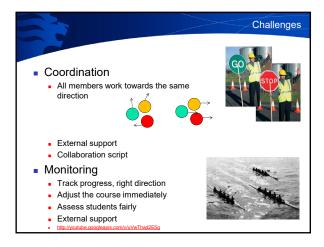


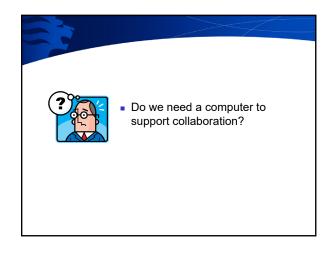








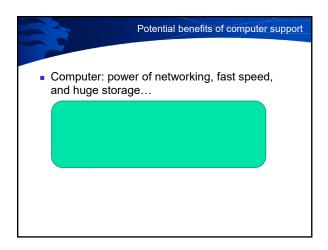




Activity: Real time word editing (on the same document)

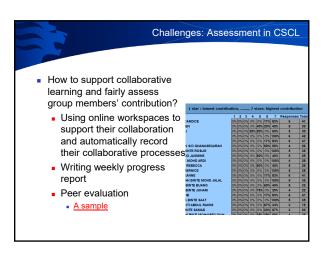
 https://beta.etherpad.org/p/mlt803

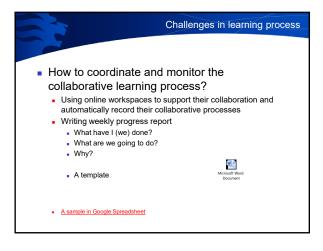
 Type as many as possible words starting with 'v'

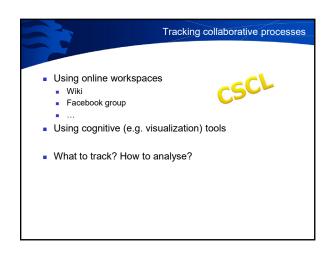


CSCL is an interdisciplinary research field focused on how collaborative learning, supported by technology, can enhance peer interaction and work in groups, and how collaboration and technology facilitate sharing and distributing knowledge and expertise among community members (Lipponen, Hakkarainen & Paavola, 2004)

A field of study centrally concerned with meaning and the practices of meaning-making in the context of joint activity, and the ways in which these practices are mediated through designed artifacts (Stahl, Koschmann, & Suthers, 2006).







Dimensions for tracking and analyzing collaborative processes

• 5 dimensions (Pozzi, et al., 2007):

• Participative

• Active participation

• Passive participation

• Continuity

• Interactive

• Passive participation before posting

• References to others' messages

• Social

• Build positive relationship

• Expression of emotions, intimacy

• Cognitive & meta-cognitive

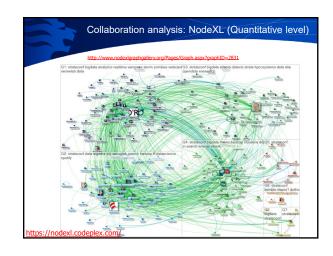
• Levels of knowledge construction: recognize problems, explore, integrate, resolve, reflect

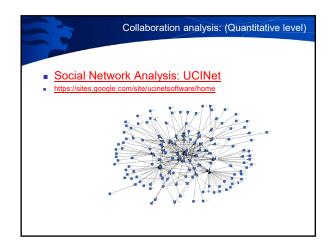
• Teaching

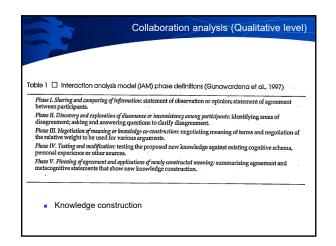
• Direct instruction

• Facilitating discourse

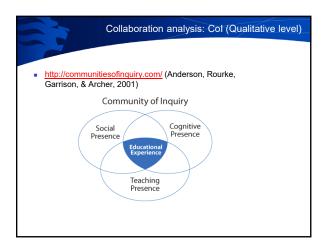
• Organizational matters

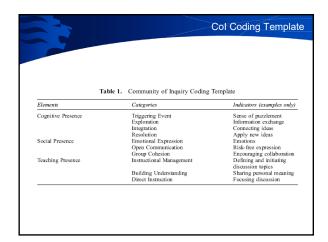












Effective collaboration may not naturally happen in a group and students may not use ICT spontaneously to support their collaboration either (Barron, 2003; Hämäläinen, 2008; Kreijns & Kirschner, 2004)

 How to promote?

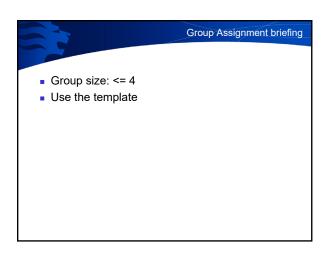
Bigger group size
 Giving marks
 Must benefit them, make the collaborative process easier

Grouping
Group size?
Heterogeneous or homogenous?
Friendship?
leader
Need a leader?
Communication: f2f, online, a/synchronous? Why?









2nd reflection
 your understanding on the topic (5%); and
 the application of the topic into your teaching practice (5%)
 By the coming Wed (midnight)