Technology that contributes to collaborative learning

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Collaborative learning

A system of carefully designed interactions that organizes and leads to reciprocal influence among the members of a team (Johnson & Johnson, 1998)

A common goal, a specific responsibility for each member, and everybody’s share of work needed for a final result

Careful planning and preparation

Interaction and development of human skills
And the product is...

- Interaction in a social context - deeper understanding and learning
- Promotion of cooperation and responsibility - no competition
- Maximum level of quality
- Monitoring by the teacher.
Five Elements

Positive Interdependence: common aims, resources to be shared,

Social Abilities: solving problems, developing leadership, trusting others, making decisions, being responsible, being tolerant,

Individual Responsibility: being responsible, being tolerant,

Face to Face Interaction: communicating effectively, showing mutual commitment,

Group Processing: functions and external threats

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Teacher’s role

- Giving opportunity to reflect on what has been learnt
- Checking contents have been understood
- Supervising and intervening only when necessary

“Cognitive mediator”
<table>
<thead>
<tr>
<th>Group formation</th>
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</thead>
<tbody>
<tr>
<td><strong>Number</strong></td>
</tr>
<tr>
<td><strong>Method</strong></td>
</tr>
<tr>
<td><strong>Roles</strong></td>
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<td><strong>Room</strong></td>
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Benefits

- Students learn to collaborate with each other, to respect the others, and to interact successfully.
- Students build self-esteem.
- CL develops oral communication skills.
- CL encourages student responsibility for learning.
- CL promotes a positive attitude towards the subject matter.
- CL helps build more heterogeneous relationships and empathy.
- CL resembles real life social and work situations.
- CL develops oral communication skills.

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- Students do the biggest share of the work.
- Students become active learners.
- It is easier to deal with inhibitions when working with fewer people.
- Students have many more chances to speak, as they are part of small groups.
- Students can put into practice the target language to communicate in real situations, as when they need to discuss a topic or negotiate a solution in the class.
- Students learn the topic constructing their own knowledge.
Problems

- Resistance to change
- Groups which students don’t like
- Group conflict
Collaborative learning

- Other tools like email, messenger, etc.
- Apps and webpages
- Using technology
- Communicating face to face

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Socrative is a smart, student response system that empowers teachers to collect data from their students via smartphones, laptops, and tablets. Collaboration through:

- Quick question
- Space race

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Kahoot

A Kahoot is a collection of questions on specific topics. Created by teachers, students, business-people and social users, they are asked in real-time, to an unlimited number of “players”, creating a social, fun and game-like learning environment.

You can have teams participate instead of individuals.
TitanPad is a nice, real-time, online document editing and collaboration tool that helps you quickly collaborate on text documents with your team. You can import text files, HTML, Word, or RTF file formats.
Google Apps, Google Docs, Sheets, and Slides are productivity apps that let you create different kinds of online documents, work on them in real time with other people, and store them in your Google Drive online. Access & store files in the cloud, share files, and edit documents, and synchronize them with Google Calendar. Sync project dates with Google Calendar.
What do we need to support collaboration?

Facilitate real-time and asynchronous text, voice, and video communication.

- Discussion boards
- Blogs
- Instant messaging
- Email
- Virtual meetings
Support co-creation by enabling groups to work in real-time or asynchronously.

- Real-Time Collaborative Editing
- Wikis

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facilitate consensus building through group discussions and polling.

- simplify resource management (shared files)

- enable local and remote presentation and saving completed projects
Benefits, and some difficulties as well.

Synchronous courses: sharing an experience at ITESM, Mexico.

Collaborating beyond the classroom
YOUR FEEDBACK

How easy could it be for you to use technology for collaboration? How could you do it?

How possible is it for you to implement collaboration in your classes? What obstacles may you find?
THANK YOU!!!