

Peer-Based Learning and Knowledge Building

Peer-based learning

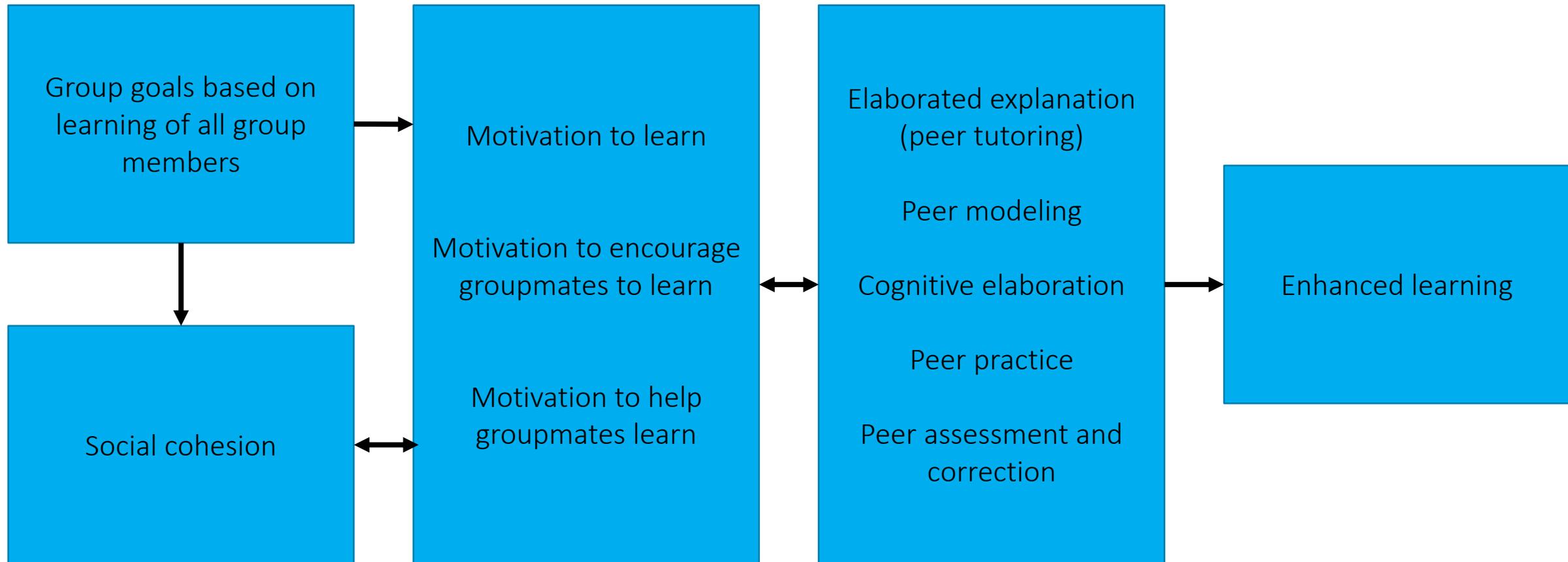
One student teaches another

Group work in which members have separate roles and responsibilities

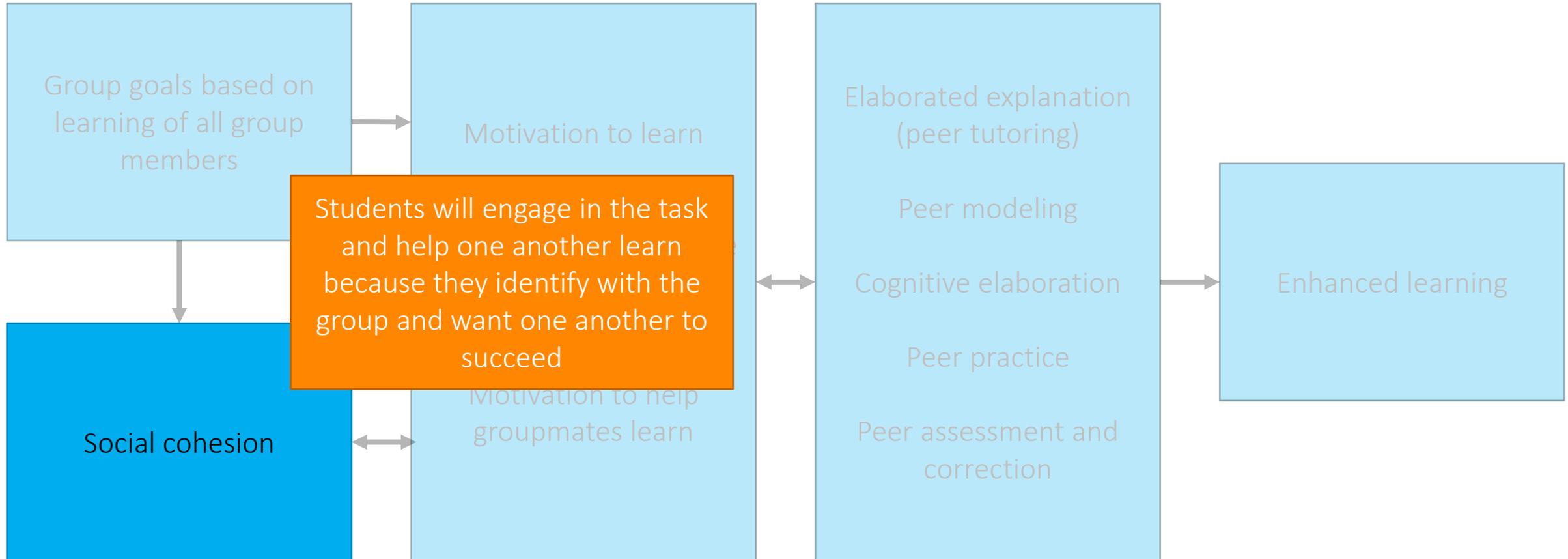
“relative novices work together to solve challenging learning tasks that neither could do on their own prior to the collaborative engagement”

	Peer Tutoring	Cooperative Learning	Collaborative Learning
Equality <i>learners take direction from one another</i>	low	high	high
Mutuality of influence <i>the connectedness or intimacy of the engagement</i>	low	can be low	high

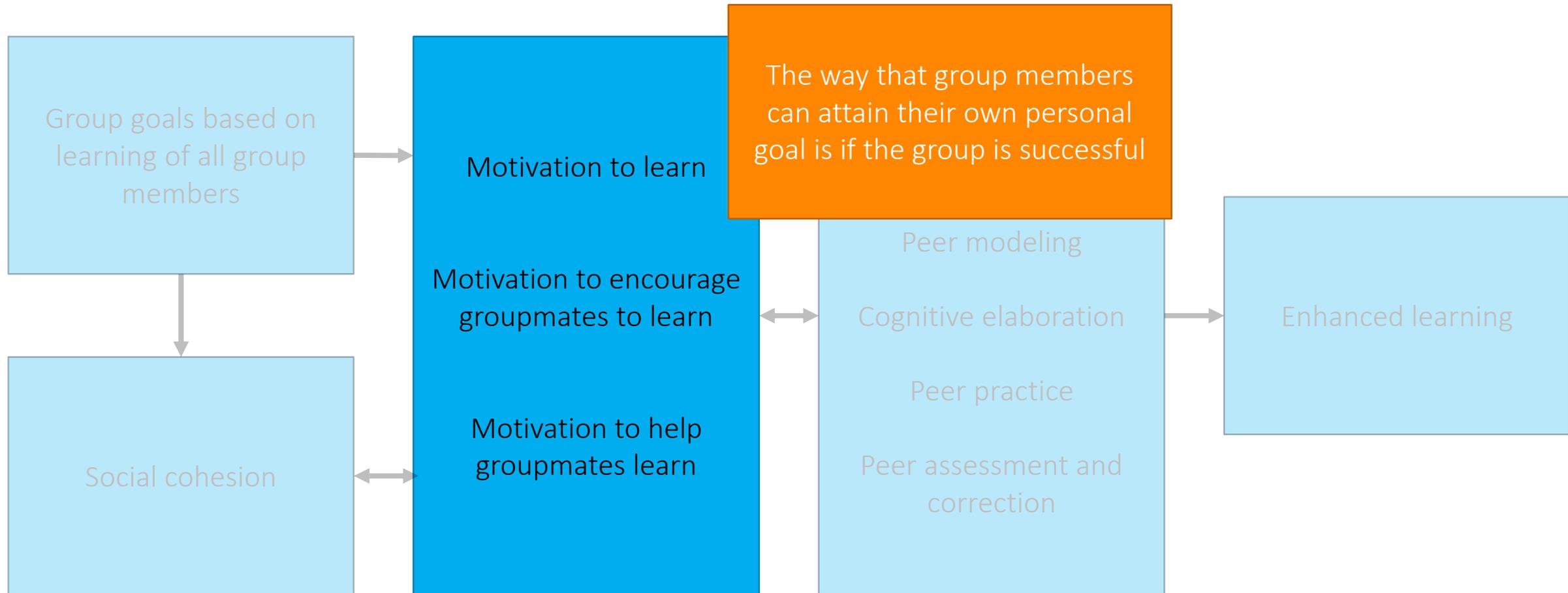
Peer-based Learning Processes



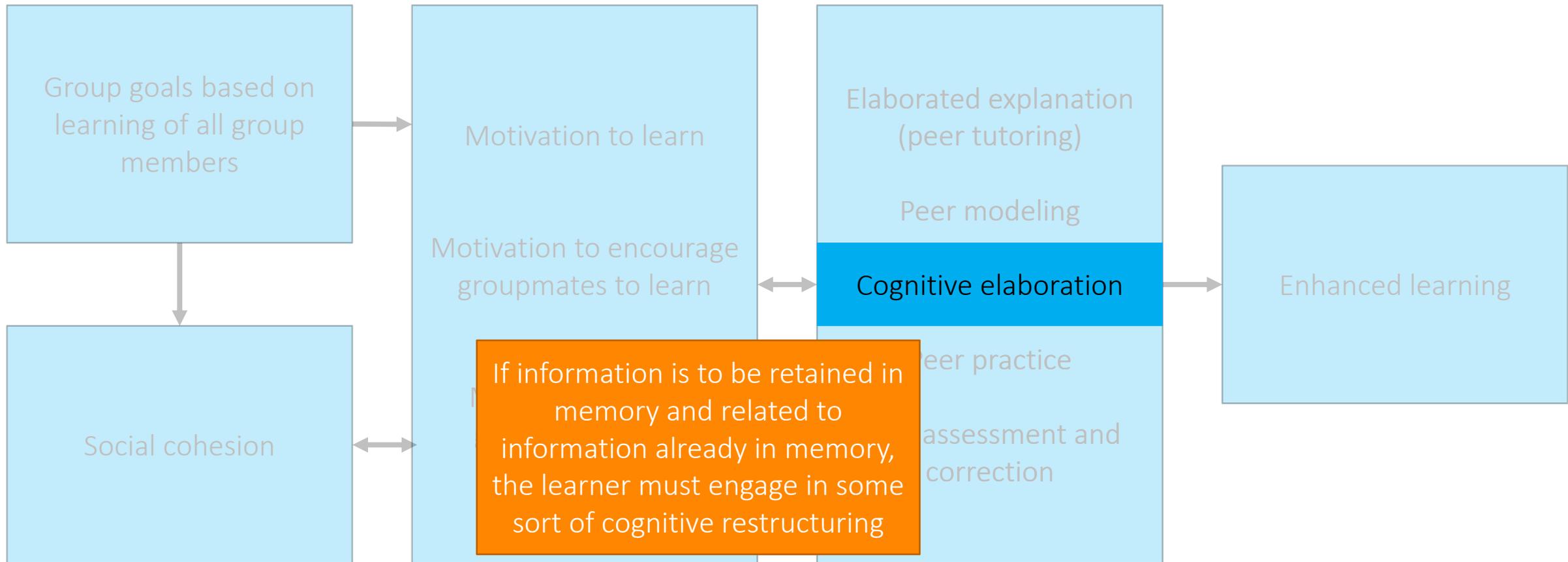
Peer-based Learning Processes



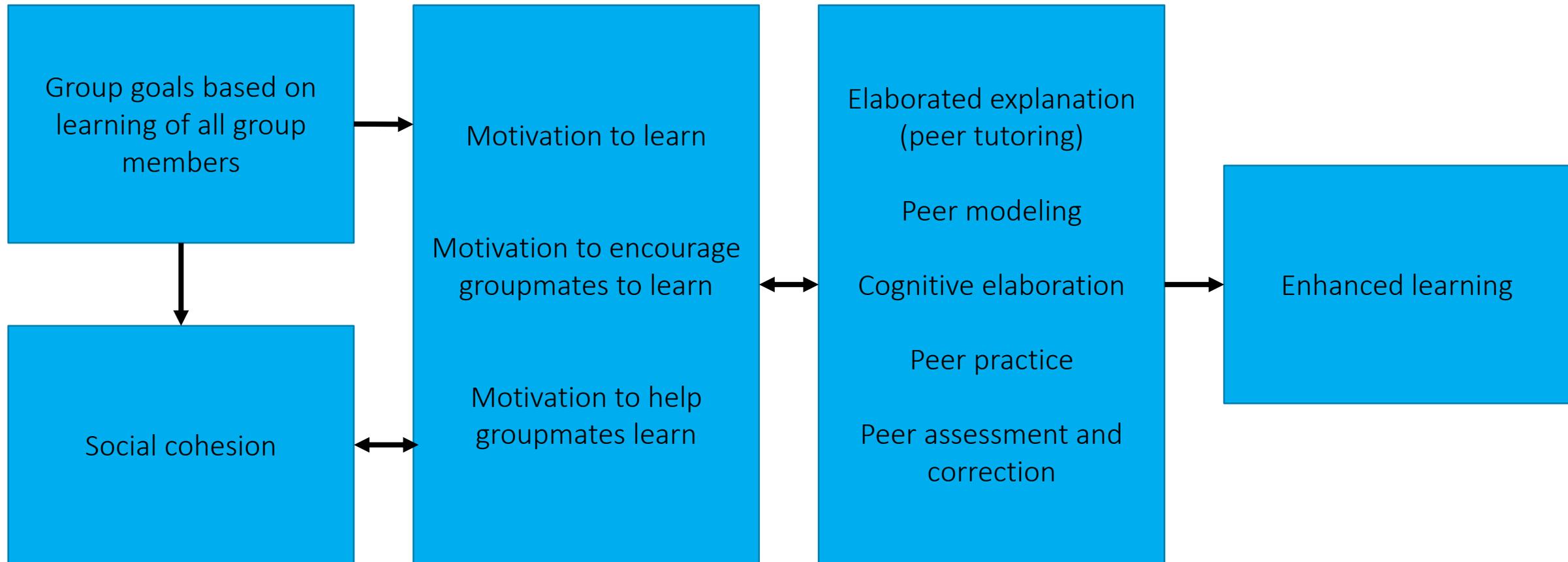
Peer-based Learning Processes



Peer-based Learning Processes



Peer-based Learning Processes



Knowledge Building Pedagogy

“People are not honored for what is in their minds but for the contributions they make to the organization’s or the community’s knowledge.”

(Scardamalia & Bereiter, 2006, p. 410)

A knowledge building community is one that, like the scientific community, works collectively to build and share new knowledge.

Knowledge Building Pedagogy

Idea improvement:

“Every idea is to be treated as potentially improvable”
(Scardamalia & Bereiter, 2006, p. 400)

References

Damon, W., & Phelps, E. (1989). Critical distinctions among three approaches to peer education. *International Journal of Educational Research*, 13(1), 9-19.

Scardamalia, M., & Bereiter, C. (2006). Knowledge building: Theory, pedagogy, and technology. In K. Sawyer (Ed.), *Cambridge Handbook of the Learning Sciences* (pp. 97–118). New York, NY: Cambridge University Press.
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