

Key readings: Approaches to researching embodiment in digital learning environments

Suggested classical readings

- Bourdieu, P. (1984). *Distinction: A Social Critique of the Judgement of Taste*. Boston, Massachusetts: Routledge & Kegan Paul Ltd.
- Bruner, J. S. (1964). The Course of Cognitive Growth. *American Psychologist*, 19(1), 1-15.
- Butler, J. (1990). *Gender Trouble*. New York: Routledge.
- Descartes, R. (1641). *Meditations on First Philosophy* (1986 ed.). Cambridge: Cambridge University Press.
- Dewey, J. (1916). *Democracy and Education: An Introduction to the Philosophy of Education* London: Collier Macmillan Publishers
- Dreyfus, H. L. (1992). *What Computers Still Can't Do: A Critique of Artificial Reason*. Boston, Massachusetts, USA: MIT Press.
- Gibson, J. (1979). *The Ecological Approach to Visual Perception*. Boston, USA: Houghton-Mifflin Co.
- Goffman, E. (1959). *The Presentation of the Self in Everyday Life*. London: Penguin Books.
- Heidegger, M. (1927). *Being and Time* (1962 ed.). Oxford: Blackwell.
- Husserl, E. (1916). *General Introduction to Pure Phenomenology* (3rd Edition (1962 ed.)). New York: Collier Books.
- Kant, E. (1781). *The Critique of Pure Reason* (1998 ed.). Cambridge: Cambridge University Press.
- Lakoff, G., & Johnson, M. (1999). *Philosophy in the Flesh: The Embodied Mind and its Challenge to Western Thought*. New York: Basic Books.
- Merleau-Ponty, M. (1945). *Phenomenology: Language and Society* (1974 ed.). Portsmouth, New Hampshire: Heinemann
- Piaget, J. (1954). *The Construction of Reality in the Child*. New York: Basic Books.
- Suchman, L. A. (2007). *Human-Machine Reconfigurations: Plans and situated actions (2nd edition)*. Cambridge University Press.
- Vygotsky, L. S. (1934). *Thought and Language* (1962 ed.). Cambridge, Massachusetts: MIT Press.

- Vygotsky, L. S. (1978). *Mind in society: The development of higher psychological processes*. Cambridge, Massachusetts: Harvard University Press.
- Winograd, T., & Flores, F. (1986). *Understanding Computers and Cognition: A New Foundation for Design*. New Jersey: Ablex Publishing Corporation.

Contemporary readings

- Anderson, M. L. (2003). Embodied Cognition: A field guide. *Artificial Intelligence*, 149(2003), 91-130.
- Antle, A., Corness, G., & Droumeva, M. (2009). Springboard: Exploring Embodiment, Balance and Social Justice. *Proceedings of the 27th international conference on Human factors in computing systems (CHI)*, Boston, Massachusetts, USA.
- Antle, A., Droumeva, M., & Ha, D. (2009). Thinking with Hands: An Embodied Approach to the Analysis of Children's Interaction with Computational Objects. *Proceedings of the 27th International Conference on Human factors in Computing Systems (CHI)*, April 5-10, Florence, Italy.
- Clark, A. (2005). Beyond the Flesh: Lessons from a Mole Cricket. *Artificial Life*, 11(2005), 233-244.
- De Preester, H., & Knockaert, K. (2005). *Body Image and Body Schema- interdisciplinary perspectives on the body*. Amsterdam, Netherlands: John Benjamins A.V.
- Dourish, P. (2001). *Where the Action Is: The Foundations of Embodied Interaction*. Cambridge, Massachusetts: The MIT press.
- Ganbarini, F., & Adenzato, M. (2007). At the root of embodied cognition: Cognitive science meets neurophysiology *Brain and Cognition*, 56, 100-106
- Goldin-Meadow, S. (1999). The role of gesture in communication and thinking. *Trends in Cognitive Science*, 3(11), 419 -429.
- Haraway, D. (1988). Situated Knowledges: The Science Question in Feminism and the Privilege of Partial Perspective. *Feminist Studies*, 14 (3), 575-599.
- Hindmarsh, J., & Pilnick, A. (2007). Knowing Bodies at Work: Embodiment and Ephemeral Teamwork in Anaesthesia. *Organization Studies*, 28, 1395-1416.
- Hurtienne, J., Stöbel, C., Sturm, C., Maus, A., Rötting, M., Langdon, P., & Clarkson, J. (2010). Physical gestures for abstract concepts: Inclusive design with primary metaphors. *Interacting with Computers*, 22(2010), 475-484.
- Hutchins, E. (1995). *Cognition in the Wild*. Boston, Massachusetts, USA: MIT Press.
- Jenson, J., & de Castell, S. (2009). Breaking New Ground: Innovation in Games, Play, Practice and Theory. *Proceedings of DiGRA 2009* Brunel University, UK.
- Lakoff, G., & Johnson, M. (1999). *Philosophy in the Flesh: The Embodied Mind and its Challenge to Western Thought*. New York: Basic Books.
- Marshall, P., Price, S., & Rogers, Y. (2003). Conceptualising tangibles to support learning. *Proceedings of the 2nd International Conference on Interaction Design and Children*, Lancashire, Preston, England.

- Price, S., Roussos, G., Pontual Falcao, T., & Sheridan, J. G. (2009). Technology and embodiment: relationships and implications for knowledge, creativity and communication. *Beyond Current Horizons: technology, children, schools and families*. Retrieved from
- Roth, W. M. (2002). From action to discourse: The bridging function of gestures. *Cognitive Systems Research* 3(2002), 535-554.
- Seitz, J. A. (2000). The bodily basis of thought. *New Ideas in Psychology*, 18, 23-40.
- Shaer, O., & Hornecker, E. (2010). *Tangible User Interfaces: Past, Present and Future Directions* (Vol. 3). Delft, The Netherlands: Now publishers.
- Suchman, L. A. (2007). *Human-Machine Reconfigurations: Plans and situated actions* (2nd edition). Cambridge University Press.
- Sundén, J. (2003). *Material Virtualities: Approaching Online Textual Embodiment* (Vol. Digital Formations. Vol. 13). New York: Peter Lang Academic Publishers.
- Turkle, S. (2011). *Alone Together: Why We Expect More from Technology and Less from Each Other*. New York: Basic Books.
- Turner, B. S. (1996). *The Body and Society: Explorations in Social Theory*. London: Sage Publications.
- Waskul, D., & Vannini, P. (Eds.). (2006). *Body/Embodiment: Symbolic Interaction and the Sociology of the Body*. Aldershot, England: Ashgate Publishing.
- Weiser, M. (1991). The Computer for the 21st Century. *Scientific American*, 265(3), 94-104.
- Wilson, M. (2002). Six view of embodied cognition. *Psychonomic Bulletin and Review*, 9 (4), 625-636.