



Network for Socio-Scientific Thinking Glossary Selected Resources:

Complexity Theory:

Braidotti, R. (2017). Critical posthuman knowledges. *South Atlantic Quarterly*, 116(1), 83–96. <https://doi.org/10.1215/00382876-3749337>

Complex adaptive system. (n.d.). <https://www.hsdinstitute.org/resources/complex-adaptive-system.html>

“Organizational Learning.” Wiley Encyclopedia of Management. (2015). In Wiley eBooks. <https://doi.org/10.1002/9781118785317>

Strom, K. J., Martin, A. D., & Villegas, A. M. (2018). Clinging to the edge of chaos: the emergence of practice in the first year of teaching.

Teachers College Record, 120(7), 1–32. <https://doi.org/10.1177/016146811812000701>

Emergence:

Aziz-Alaoui, M., & Bertelle, C. (2009). *From system complexity to emergent properties*. Springer Science & Business Media.

Medium. (n.d.). Medium. <https://medium.com/sfi-30-foundations-frontiers/emergence-a-unifying-theme-for-21st-century-science-4324ac0f951e>)

Strom, K. J., Martin, A. D., & Villegas, A. M. (2018). Clinging to the edge of chaos: the emergence of practice in the first year of teaching.

Teachers College Record, 120(7), 1–32. <https://doi.org/10.1177/016146811812000701>

TEDx Talks. (2013, September 22). *Emergence (or: how ants find your picnic basket): Jane Adams at TEDxGallatin* [Video]. YouTube.

<https://www.youtube.com/watch?v=D9LiMrcm7Kg>



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Global Citizenship Education:

UNESCO. (2018, February 21). *What is global citizenship education?*. <https://en.unesco.org/themes/gced/definition>

Social Justice:

Center for Economic & Social Justice. (2019, April 3). *Defining Economic Justice and Social Justice | Center for Economic & Social Justice*.

Center for Economic & Social Justice | Changing the System to Promote Dignity, Power and Ownership for Every Person.

<https://www.cesj.org/learn/definitions/defining-economic-justice-and-social-justice/>

SDF. (2023). What is Social Justice? *San Diego Foundation*. <https://www.sdfoundation.org/news-events/sdf-news/what-is-social-justice/>

Social justice priorities. (n.d.). <https://www.socialworkers.org/Advocacy/Social-Justice/Social-Justice-Priorities>

Student Action-Taking:

Gibson, H., Blanchard, K. P., O'Donnell, C. (2020). Learning to act: *Smithsonian Science for Global Goals* and empowering young people

to develop a habit of considered action-taking. In Huber, T., O'Meara, J. (Eds.), *Education around the globe: Creating opportunities*

and transforming lives. Charlotte, NC: Information Age Publishing.

<https://www.infoagepub.com/products/Education-Around-the-Globe>

Home | YPAR HUB. (n.d.). <https://yparhub.berkeley.edu/home>

Socio-scientific Issues:

Zeidler and Nicols (2009). Socioscientific issues: Theory and practice. *Journal of Elementary Science Education*, 21(2), 49-58.

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Transdisciplinary Learning:

Meeth, L. R. (1978). Interdisciplinary Studies: a matter of definition. *Change: The Magazine of Higher Learning*, 10(7), 10.

<https://doi.org/10.1080/00091383.1978.10569474>