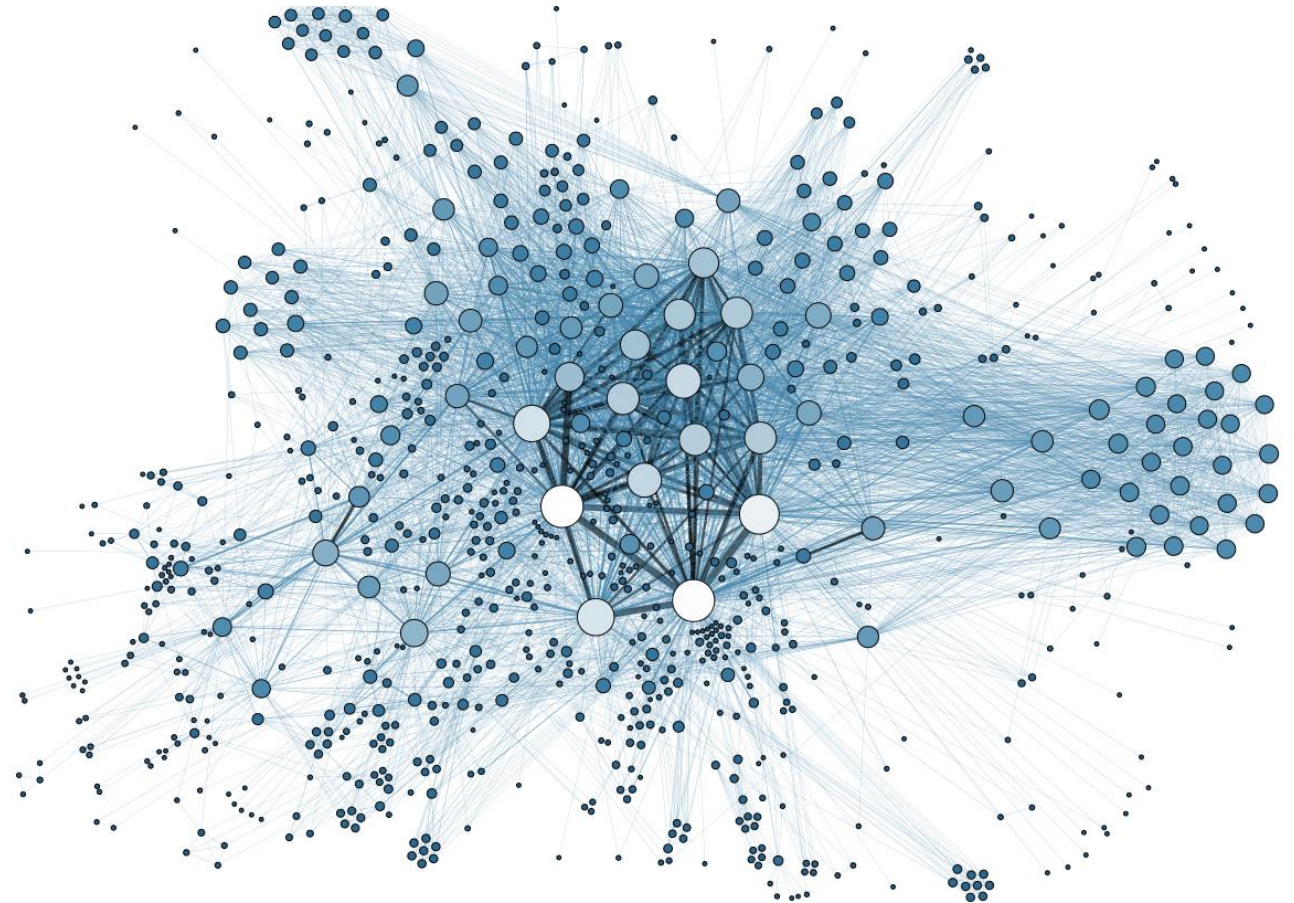
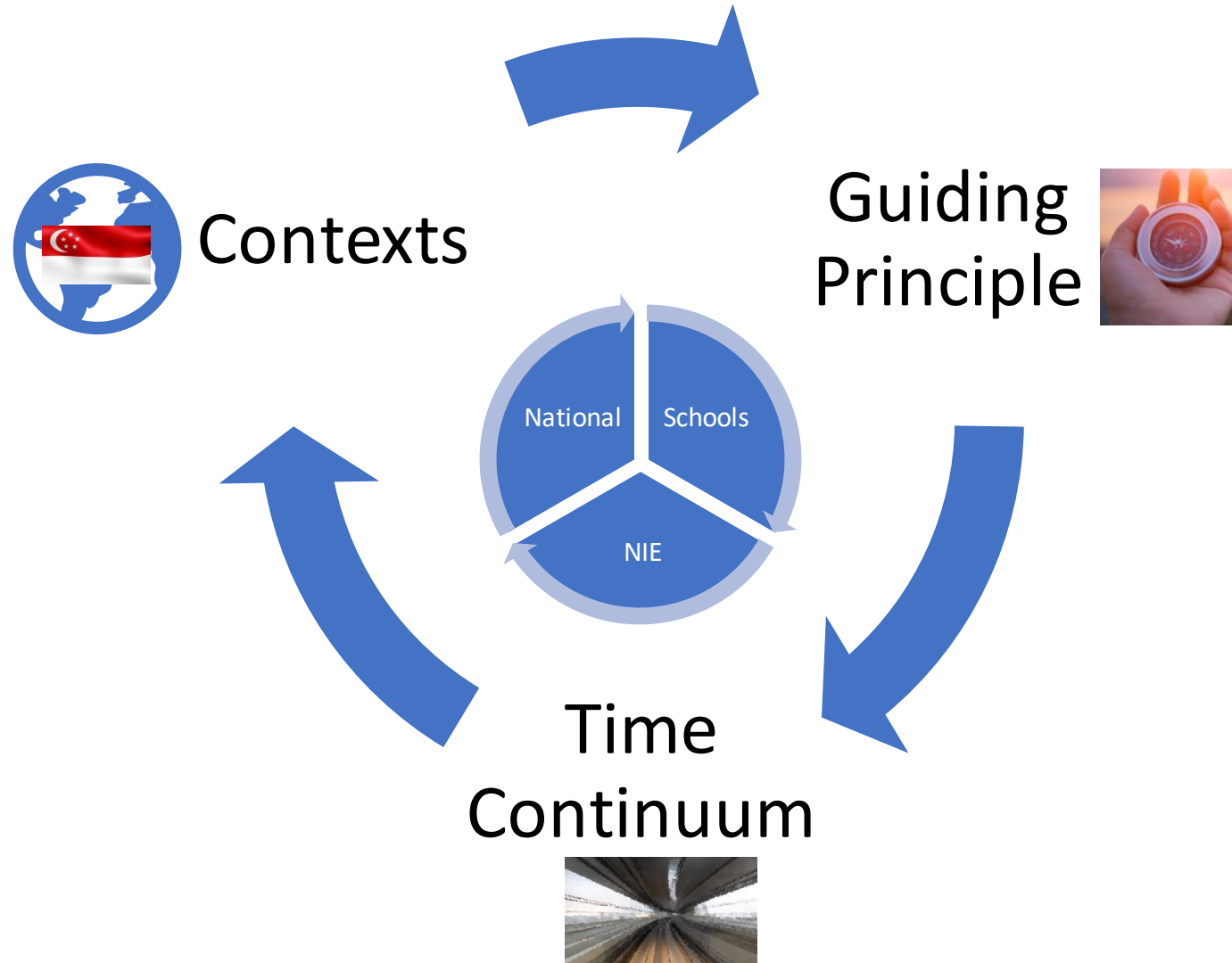


# Strategic and Systematic Learning and Development – the case of Singapore

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# Key Constructs for Strategic and Systematic Learning and Development in Singapore



Guiding  
Principle:  
**Education is  
an  
investment**

- National
  - 2.9% of GDP<sup>1</sup>
  - Skills Future funding to provide Singaporeans opportunities to continually upskill and reskill in a changing economic landscape
- Schools
  - Financial support for Singapore students at every stage of education (*note on Kindergarten provision*)
  - Teacher development provision (AST, NIE, Schools)
- NIE Leadership Development
  - Fully funded and receive full salary compensation to attend 7 months program

1. <https://data.worldbank.org/indicator/SE.XPD.TOTL.GD.ZS?locations=SG>

# Contexts: Geography, Economy, Society, Environment

- National (geo-economics)
  - 95% of electricity from fossil<sup>1</sup>; imports 90% of food<sup>2</sup>, 60% of water<sup>3</sup>
  - Industry 4.0: Develop comparative advantage in
    - high-value manufacturing
    - Efficient, quality, and innovative services
- Schools
  - Mastery (National Exams, TIMSS, PISA, etc.)
  - Applied Learning Programme<sup>4</sup> (innovation)
- NIE Leadership Development
  - Competency and Complexity driven learning: knowledge creation, innovation

1. <https://www.ema.gov.sg/ourenergystory>

2. <https://www.sfa.gov.sg/food-for-thought/article/detail/ava's-food-security-roadmap-for-singapore>

3. <https://www.straitstimes.com/singapore/environment/singapores-water-supply-where-does-it-come-from>

4. <https://www.moe.gov.sg/news/press-releases/many-paths--new-possibilities---ready-for-a-new-world-together---empowering-individuals---nurturing-joy-of-learning>



# Time Continuum: Past, Present, Future

- National
  - Past and Present: Continuation of National Education for all (*including Singapore Armed Forces*)
  - Present and Future: Multiculturalism, Secularism, Meritocracy<sup>4</sup>
- Schools
  - Past and Present: High performance in national and international standards, Character and Citizens Education<sup>1</sup>,
  - Future: Learn for Life Initiative - *Skills Future for Educators*<sup>2</sup>
- NIE Leadership Development
  - Future-ready leadership development
  - Re-defining educational success for the future<sup>3</sup> (*measures of educational success*)

1. <https://www.moe.gov.sg/news/press-releases/learn-for-life--ready-for-the-future--refreshing-our-curriculum-and-skillsfuture-for-educators>

2. <https://www.moe.gov.sg/microsites/cos2020/skillfuture-for-educators.html>

3. <https://www.nie.edu.sg/research/publication/nie-working-paper-series/working-paper-series-no-20>

4. <https://www.psd.gov.sg/heartofpublicservice/our-institutions/cultivating-a-harmonious-society-becoming-one-people/>

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- Character and Citizens Education - <https://www.moe.gov.sg/news/press-releases/learn-for-life--ready-for-the-future--refreshing-our-curriculum-and-skillsfuture-for-educators>
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