Relationships and Convergences

Found in: I. CCSS-Mathematics (practices) 2a. CCSS-ELA/Literacy (student capacity) 2b. ELPD Framework (ELA practices-defined) 3. NGSS (science & engineering practices)

Notes:

I. MPI-MP8 represent CCSS Mathematical Practices (p.6-8).

- 2. SPI-SP8 represent NGSS Science & Engineering Practices.
- 3. EPI-EP6 represent CCSS ELA "Practices" as defined by the ELPD Framework (p.11).
- 4. EP7* represents CCSS ELA student "capacity" (p.7).

Stanford GRADUATE SCHOOL OF **EDUCATION**

Understanding Language Language In the Content Areas

MPI. Make sense of problems & persevere in solving them

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MP2. Reason abstractly & quantitatively

MP6. Attend to precision

MP7. Look for & make use of structure

MP8. Look for & express regularity in repeated reasoning

> EP7*. Use technology & digital media strategically & capably

MP5. Use appropriate tools strategically

SP2. Develop and use models

MP4. Model with mathematics

SP5. Use mathematics & computational thinking

EPI. Support analysis of a range of gradelevel complex texts with evidence

MP3 and EP3. Construct viable & valid arguments from evidence & critique reasoning of others

SP7. Engage in argument from evidence

& coherent writing in which the development, organization, and style are appropriate to task, purpose, & audience

EP4. Build and present knowledge through research by integrating, comparing, and synthesizing ideas from text

EP5. Build upon the ideas of others and articulate their own clearly when working collaboratively

> **EP6.** Use English structures to communicate context specific messages

SPI. Ask questions & define problems

Science

SP3. Plan & carry out investigations

SP4. Analyze & interpret data

SP6. Construct explanations & design solutions

SP8. Obtain. evaluate & communicate information

EP2. Produce clear