Commonalities Among the Practices in Science, Mathematics and English Language Arts

E1: Demonstrate independence in reading complex texts, and writing and speaking about them
E2: Build a strong base of knowledge through content rich texts
E3: Obtain, synthesize, and report findings clearly and effectively in response to task and purpose
E4: Construct viable arguments and critique reasoning of others
E5: Read, write, and speak grounded in evidence
E6: Use technology & digital media strategically & capably
E7: Come to understand other perspectives and cultures through reading, listening, and collaborations
E8: Obtain, evaluate, & communicate information

M1: Make sense of problems and persevere in solving them
M2: Reason abstractly & quantitatively
M3 & E4: Construct viable arguments and critique reasoning of others
M4: Models with mathematics
M5: Use appropriate tools strategically
M6: Attend to precision
M7: Look for & make use of structure
M8: Look for & make use of regularity in repeated reasoning

S1: Ask questions and define problems
S2: Develop & use models
S3: Plan & carry out investigations
S4: Analyze & interpret data
S5: Use mathematics & computational thinking
S6: Construct explanations & design solutions
S7: Engage in argument from evidence
S8: Obtain, evaluate, & communicate information

ELA

Based on work by Tina Chuek ell.stanford.edu