

Practices in Mathematics, Science, and English Language Arts*

Math	Science	English Language Arts
M1. Make sense of problems and persevere in solving them.	S1. Asking questions (for science) and defining problems (for engineering).	E1. They demonstrate independence.
M2. Reason abstractly and quantitatively.	S2. Developing and using models.	E2. They build strong content knowledge.
M3. Construct viable arguments and critique the reasoning of others.	S3. Planning and carrying out investigations.	E3. They respond to the varying demands of audience, task, purpose, and discipline.
M4. Model with mathematics.	S4. Analyzing and interpreting data.	E4. They comprehend as well as critique.
M5. Use appropriate tools strategically.	S5. Using mathematics, information and computer technology, and computational thinking.	E5. They value evidence.
M6. Attend to precision.	S6. Constructing explanations (for science) and designing solutions (for engineering).	E6. They use technology and digital media strategically and capably.
M7. Look for and make use of structure.	S7. Engaging in argument from evidence.	E7. They come to understanding other perspectives and cultures.
M8. Look for and express regularity in repeated reasoning.	S8. Obtaining, evaluating, and communicating information.	

* The Common Core English Language Arts uses the term “student capacities” rather than the term “practices” used in Common Core Mathematics and the Next Generation Science Standards.

	Students are:	Individual (1T-1S)	Evidence	Group (Peer-Peer)	Evidence
1a	Make sense of problems				
1b	Persevere in solving them				
2	Reason abstractly and quantitatively				
3a	Construct viable arguments				
3b	Critique the reasoning of others				
4	Model with Mathematics				
5	Use appropriate tools strategically				
6	Attend to precision				
7	Look for and make use of structure				
8	Look for and express regularity in repeated reasoning				