



The Common Core State Standards Alignment

Reading/Language Arts

GRADE	COURSE #	COURSE	STANDARDS: DOMAINS	Reading: Literature	Reading: Informational Text	Reading: Foundational Skills	Writing	Speaking & Listening	Language	Literacy in History & Social Studies	Literacy in Science & Technical Subjects
PreK-K	RDLA162	Teaching Phonics and Spelling for Emergent Readers		•	•	•		•	•		
PreK-2	RDLA172	Teaching Vocabulary: Word Meaning and Word Knowledge		•	•	•			•		
PreK-3	RDLA157	Teaching Phonemic Awareness and Phonics		•	•	•	•	•	•		
PreK-3	RDLA363	Supporting ELLs: Oral Language Development		•	•	•		•	•		
PreK-3	RDLA366	Supporting ELLs: Assessing Language Development		•	•	•		•	•		
PreK-3	RDLA373	Supporting ELLs: Vocabulary Development		•	•	•		•	•		
PreK-3	RDLA383	Supporting ELLs: Writing Development		•	•	•	•	•	•		
K-2	RDLA345	Early Literacy Learning - Part 1		•	•	•	•	•	•		
K-2	RDLA350	Early Literacy Learning - Part 2		•	•	•	•	•	•		
K-8	RDLA152	An Introduction to Underlying Principles and Research for Effective Literacy Instruction		•	•	•	•	•	•		
1-3	RDLA061	Raising Readers: Ready to Spark Word Power		•	•	•		•	•		
1-3	RDLA167	Teaching Phonics and Spelling for Beginning and Transitional Readers				•	•	•	•		
1-3	RDLA210	Implementing Effective Writing Workshops		•	•	•	•	•	•		
2-5	RDLA195	Teaching Reading Fluency		•	•	•		•	•		
2-5	RDLA376	Supporting ELLs: Reading Fluency		•	•	•		•	•		
3-12	RDLA130	Teaching Reading in Science		•	•		•	•	•	•	•
3-12	RDLA340	Teaching Reading in the Content Areas		•	•	•		•	•	•	•
4-6	RDLA192	Improving Reading Comprehension		•	•	•	•	•	•	•	•
6-12	RDLA220	Teaching Writing in the Content Areas		•	•		•				



The Common Core State Standards Alignment

Mathematics/STEM

GRADE	COURSE #	COURSE	Counting & Cardinality	Operations & Algebraic Thinking	Number & Operations in Base Ten	Numbers & Operations – Fractions	Measurement and Data	Geometry	Ratios & Proportional Relationships	The Number System	Expressions & Equations	Statistics & Probability	Functions	Number & Quantity: Quantities	Number & Quantity: The Complex Number System	Number & Quantity: Vector & Matrix Quantities	Algebra: Seeing Structure in Expressions	Algebra: Arithmetic with Polynomials & Rational Functions	Algebra: Creating Equations	Algebra: Reasoning with Equations & Inequalities	Functions: Interpreting Functions	Functions: Building Functions	Functions: Linear, Quadratic, & Exponential Models	Statistics & Probability: Interpreting Categorical & Quantitative Data	Statistics & Probability: Making Inferences & Justifying Conclusions	Statistics & Probability: Conditional Probability & the Rules of Probability	Statistics & Probability: Using Probability to Make Decisions
PreK-3	MATH250	Understanding Numbers and Operations: Addition and Subtraction	•	•	•																						
K-2	MATH175	Developing Algebraic Thinking		•																							
K-5	MATH181	Math in Everyday Life	•	•	•	•	•	•																			
K-5	MATH221	Count on It: Number Sense	•	•	•	•	•	•																			
1-5	MATH120	Fostering Cooperative Learning, Discussion, and Critical Thinking in Elementary Math		•	•	•	•	•																			
3-5	MATH270	Developing Algebraic Thinking		•	•		•																				
5-8	STEM412	Global Climate Change Education for Middle School								•	•	•	•														
6-8	MATH136	Patterns and Relations						•	•	•	•	•	•														
6-8	MATH186	Math in Everyday Life						•	•	•	•	•	•														
6-8	MATH246	Rational Numbers, Fractions, Decimals, and Percents						•		•	•																
6-12	MATH410	Seeing Math™: Linear Functions								•	•		•						•	•	•	•	•				
6-12	MATH415	Seeing Math™: Transformations of Linear Functions								•	•		•						•	•	•	•	•				
6-12	MATH420	Seeing Math™: Linear Equations								•	•		•						•	•		•	•				
6-12	MATH425	Seeing Math™: Systems of Linear Equations								•	•		•						•	•		•	•				
6-12	MATH430	Seeing Math™: Proportional Reasoning							•	•	•			•					•	•							
6-12	MATH440	Seeing Math™: Transformations of Quadratic Functions													•		•	•	•	•	•		•				
6-12	MATH445	Seeing Math™: Quadratic Equations												•		•	•	•	•	•	•		•				
6-12	MATH455	Seeing Math™: Data Analysis								•		•												•	•	•	•
9-12	MATH156	The Concept of Function																	•	•	•	•	•				
9-12	STEM417	Global Climate Change Education for High School												•							•			•	•		