

Common Core State Standards (CCSS) Alignment Report

Mathematics & English Language Arts · Kindergarten–Grade 10 · Prepared June 22, 2026 · Contribute AI LLC

This report documents the alignment of Studyfin's Mathematics and English Language Arts curriculum to the **Common Core State Standards (CCSS)**. Each topic listed below is mapped to the specific CCSS student-expectation code(s) it addresses across the grades it serves.

118

Math & ELA topics aligned to exact CCSS codes

K–10

Grade span covered

100%

of CCSS-eligible Math & ELA topics aligned

Methodology. Each topic was mapped to its corresponding CCSS code(s) at the student-expectation level (e.g. 3.OA.A.1, RF.K.3.A; high-school topics use CCSS conceptual-category codes such as A-REI.B.4). Codes were reviewed against the published Common Core State Standards (corestandards.org). CCSS covers Mathematics and English Language Arts only.



Mathematics

64 topics

Topic / Skill	Grades	CCSS code(s)
Addition & subtraction	K, 1, 2, 3, 4	K.OA.A.1, K.OA.A.2, 1.OA.A.1, 1.OA.C.6, 1.NBT.C.4, 2.OA.A.1, 2.NBT.B.5, 3.NBT.A.2, 4.NBT.B.4
Algebra I: Functions & graphs	9, 10	F-IF.A.1, F-IF.B.4, F-BF.A.1
Algebra I: Linear functions	8, 9	8.F.A.1, 8.F.B.4, F-IF.B.4, F-LE.A.1
Algebra I: Polynomials & factoring	9, 10	A-APR.A.1, A-SSE.A.2, A-SSE.B.3
Algebra I: Quadratic equations	9, 10	A-REI.B.4, F-IF.C.7.a, A-SSE.B.3.a
Algebra I: Systems of equations	8, 9	8.EE.C.8, A-REI.C.6
Area & perimeter	3, 4, 5	3.MD.C.5, 3.MD.C.7, 3.MD.D.8, 4.MD.A.3
Box plots & histograms	6, 7, 8	6.SP.B.4, 6.SP.B.5
Comparing & ordering fractions	3, 4, 5	3.NF.A.3.d, 4.NF.A.2
Compound events & combinations	7, 8	7.SP.C.8
Converting units of measure	4, 5, 6	4.MD.A.1, 5.MD.A.1
Coordinate plane	6, 7, 8	5.G.A.1, 6.NS.C.6, 6.G.A.3, 8.G.B.8

Topic / Skill	Grades	CCSS code(s)
Counting & place value	K, 1, 2	K.CC.A.1, K.CC.B.4, K.NBT.A.1, 1.NBT.B.2, 1.NBT.C.4, 2.NBT.A.1, 2.NBT.A.3
Customary vs metric units	3, 4, 5, 6	3.MD.A.2, 4.MD.A.1, 5.MD.A.1
Data & graphs	3, 4, 5, 6	3.MD.B.3, 3.MD.B.4, 4.MD.B.4, 5.MD.B.2
Decimals	4, 5, 6	4.NF.C.6, 5.NBT.A.3, 5.NBT.B.7
Division	3, 4, 5	3.OA.A.2, 3.OA.C.7, 4.NBT.B.6, 5.NBT.B.6
Doubles & near-doubles facts	1, 2	1.OA.C.6, 2.OA.B.2
Equivalent fractions	3, 4, 5	3.NF.A.3, 4.NF.A.1
Estimation & rounding	3, 4, 5, 6	3.NBT.A.1, 4.NBT.A.3, 5.NBT.A.4
Exponential & logarithmic functions	10	F-LE.A.1, F-LE.B.5, F-IF.C.8.b
Exponents	6, 7, 8	6.EE.A.1, 8.EE.A.1
Factors & multiples (GCF & LCM)	4, 5, 6	4.OA.B.4, 6.NS.B.4
Fractions	3, 4, 5, 6	3.NF.A.1, 3.NF.A.2, 4.NF.A.1, 4.NF.B.3, 5.NF.A.1, 5.NF.B.4
Function notation (f(x))	8, 9, 10	8.F.A.1, F-IF.A.2
Geometry: Circles	9, 10	G-C.A.1, G-C.A.2
Geometry: Congruence & similarity	9, 10	G-CO.B.6, G-SRT.A.2, G-SRT.B.5
Geometry: Coordinate geometry & distance formula	9, 10	G-GPE.B.4, G-GPE.B.7
Geometry: Proofs	9, 10	G-CO.C.9, G-CO.C.10
Geometry: Surface area & volume of solids	9, 10	G-GMD.A.1, G-GMD.A.3
Geometry: Transformations	8, 9, 10	8.G.A.1, G-CO.A.2, G-CO.A.5
Geometry: Triangles & Pythagorean theorem	8, 9, 10	8.G.B.7, G-SRT.C.8
Inequalities	6, 7, 8, 9	6.EE.B.8, 7.EE.B.4.b, A-REI.B.3
Linear equations	7, 8, 9	7.EE.B.4, 8.EE.C.7, A-REI.B.3
Long division (multi-digit)	4, 5, 6	4.NBT.B.6, 5.NBT.B.6, 6.NS.B.2
Mean, median, mode & range	5, 6, 7	6.SP.A.3, 6.SP.B.5
Measurement	K, 1, 2, 3, 4, 5	K.MD.A.1, K.MD.A.2, 1.MD.A.1, 1.MD.A.2, 2.MD.A.1, 2.MD.A.3, 3.MD.B.4, 4.MD.A.1, 5.MD.A.1
Mixed numbers & improper fractions	4, 5, 6	4.NF.B.3.c, 5.NF.A.1
Money: coins & bills	1, 2, 3, 4	2.MD.C.8
Multi-digit multiplication (area model & standard algorithm)	4, 5	4.NBT.B.5, 5.NBT.B.5

Topic / Skill	Grades	CCSS code(s)
Multiplication	3, 4, 5	3.OA.A.1, 3.OA.C.7, 3.OA.D.8, 4.NBT.B.5, 5.NBT.B.5
Negative numbers	6, 7	6.NS.C.5, 6.NS.C.6, 7.NS.A.1
Nets of 3D shapes	5, 6, 7	6.G.A.4
Number bonds & part-whole relationships	K, 1, 2	K.OA.A.3, K.OA.A.4, 1.OA.B.4, 1.OA.D.8, 2.OA.B.2
Order of operations	5, 6, 7	5.OA.A.1, 6.EE.A.2.c
Patterns & sorting	K, 1, 2	K.MD.B.3, 2.OA.C.3, 4.OA.C.5
Percentages	6, 7, 8	6.RP.A.3.c, 7.RP.A.3
Pre-algebra	6, 7, 8	6.EE.B.5, 7.EE.A.1, 8.EE.A.1
Prime & composite numbers	4, 5, 6	4.OA.B.4
Probability basics	6, 7, 8	7.SP.C.5, 7.SP.C.6, 7.SP.C.7
Ratios & proportions	6, 7	6.RP.A.1, 6.RP.A.3, 7.RP.A.2, 7.RP.A.3
Scientific notation	7, 8	8.EE.A.3, 8.EE.A.4
Sequences & series (arithmetic & geometric)	9, 10	F-BF.A.2, F-LE.A.2
Shapes & geometry basics	K, 1, 2	K.G.A.2, K.G.B.4, 1.G.A.1, 1.G.A.2, 2.G.A.1
Skip counting (by 2s, 5s, 10s)	K, 1, 2	K.CC.A.1, 1.NBT.A.1, 2.NBT.A.2
Slope & rate of change	8, 9	8.EE.B.5, 8.F.B.4, F-IF.B.6
Square roots	8	8.EE.A.2, 8.NS.A.1
Statistics & data analysis	6, 7, 8, 9	6.SP.A.1, 6.SP.B.5, 7.SP.A.2, S-ID.A.1
Surface area (prisms & pyramids)	6, 7, 8	6.G.A.4, 7.G.B.6
Time & money	1, 2, 3	1.MD.B.3, 2.MD.C.7, 2.MD.C.8, 3.MD.A.1
Trigonometry basics (sin, cos, tan)	10	G-SRT.C.6, G-SRT.C.7, G-SRT.C.8
Variables & expressions	6, 7, 8	6.EE.A.2, 6.EE.B.6, 7.EE.A.1
Volume	5, 6, 7, 8	5.MD.C.3, 5.MD.C.5, 6.G.A.2, 7.G.B.6, 8.G.C.9
Word problems	2, 3, 4, 5, 6, 7, 8	1.OA.A.1, 2.OA.A.1, 3.OA.D.8, 4.OA.A.3, 5.NF.A.2

English Language Arts 54 topics

Topic / Skill	Grades	CCSS code(s)
Allegory & extended metaphor	9, 10	RL.9–10.4, L.9–10.5.a
American literature	9, 10	RL.9–10.9, RI.9–10.9

Topic / Skill	Grades	CCSS code(s)
Argumentative essays	7, 8, 9, 10	W.7.1, W.8.1, W.9–10.1
Author's purpose	3, 4, 5, 6, 7	RI.3.6, RI.4.6, RI.5.6
Cause and effect	2, 3, 4, 5	RI.2.3, RI.3.8, RI.5.3
Citing sources	6, 7, 8, 9, 10	W.6.8, W.7.8, W.8.8, W.9–10.8
Compare & contrast (within a text)	3, 4, 5, 6	RL.3.9, RI.4.3, RI.5.3, RL.5.9
Compare & contrast texts	5, 6, 7, 8	RI.5.9, RI.6.9, RI.7.9, RI.8.9
Context clues	3, 4, 5, 6, 7	L.3.4.A, L.4.4.A, L.5.4.A
Decoding strategies (sounding out)	1, 2, 3	RF.1.3, RF.2.3, RF.3.3
Drama & plays	5, 6, 7, 8, 9, 10	RL.5.5, RL.7.5, RL.9–10.5
Drawing conclusions & predictions	3, 4, 5, 6	RL.3.1, RI.4.1, RL.5.1
Essay structure (intro/body/conclusion)	7, 8, 9, 10	W.7.4, W.8.4, W.9–10.4, W.9–10.5
Fiction vs nonfiction	2, 3, 4, 5	RL.2.1, RI.2.1, RL.5.5
Figurative language	3, 4, 5, 6, 7, 8	L.3.5.A, L.4.5.A, L.5.5.A
Genre studies (mystery, fantasy, biography...)	3, 4, 5, 6	RL.3.5, RL.5.5, RL.6.5
Grammar basics	2, 3, 4, 5	L.2.1, L.3.1, L.4.1, L.5.1
Greek & Latin roots, prefixes & suffixes	4, 5, 6, 7, 8	L.4.4.B, L.5.4.B
Imagery & sensory language	4, 5, 6, 7, 8	RL.4.4, L.5.5.a, RL.6.4
Inference	3, 4, 5, 6, 7, 8	RL.3.1, RI.4.1, RL.5.1
Letter recognition (uppercase & lowercase)	K, 1	RF.K.1.D, L.K.1.A
Listening comprehension	PK, K, 1, 2, 3, 4, 5	SL.K.2, SL.1.2, SL.2.2, SL.3.2, SL.4.2, SL.5.2
Literary analysis	9, 10	RL.9–10.1, RL.9–10.2, W.9–10.9
Main idea & details	2, 3, 4, 5	RI.2.2, RI.3.2, RI.4.2, RI.5.2
Multiple-meaning words	2, 3, 4, 5	L.2.4.A, L.4.4.A, L.5.4.A
Mythology & folktales (Greek, Norse, world)	4, 5, 6, 7	RL.4.2, RL.5.9, RL.6.9, RL.7.9
Parts of speech	2, 3, 4, 5, 6	L.1.1.B, L.2.1, L.3.1.A, L.4.1.A
Persuasive writing	5, 6, 7, 8	W.5.1, W.6.1, W.7.1, W.8.1
Phonemic awareness (rhyming & blending)	K, 1	RF.K.2, RF.K.2.A, RF.K.2.C, RF.1.2
Phonics & letter sounds	K, 1, 2	RF.K.3, RF.K.3.A, RF.1.3, RF.2.3, RF.3.3

Topic / Skill	Grades	CCSS code(s)
Point of view & narrator	4, 5, 6, 7, 8	RL.4.6, RL.5.6, RL.6.6, RL.7.6, RL.8.6
Punctuation	2, 3, 4, 5, 6, 7	L.2.2, L.3.2, L.4.2, L.5.2
Reading comprehension	K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	RL.K.1, RL.1.1, RL.2.1, RL.3.1, RL.4.1, RL.5.1
Reading fluency	1, 2, 3, 4, 5	RF.1.4, RF.2.4, RF.3.4, RF.4.4, RF.5.4
Research basics	5, 6, 7, 8	W.5.7, W.6.7, W.7.7, W.8.8
Research papers (MLA format)	9, 10	W.9–10.7, W.9–10.8
Rhetorical devices	9, 10	RI.9–10.6, L.9–10.3
Sentence structure	3, 4, 5, 6, 7	L.3.1.I, L.4.1.F, L.5.1
Sequence of events	1, 2, 3, 4	RL.1.2, RI.2.3, RI.3.3
Shakespeare	9, 10	RL.9–10.4, RL.9–10.5
Sight words	K, 1, 2	RF.K.3.C, RF.1.3.G, RF.2.3.F
Speaking & presenting	3, 4, 5, 6, 7, 8, 9, 10	SL.3.4, SL.4.4, SL.5.4, SL.6.4, SL.8.4, SL.9–10.4
Spelling patterns	2, 3, 4, 5	L.2.2.D, L.3.2.E, L.4.2.D, RF.3.3
Story structure	2, 3, 4, 5, 6	RL.2.5, RL.3.5, RL.4.5, RL.5.5
Summarizing	3, 4, 5, 6, 7, 8	RI.3.2, RL.4.2, RL.5.2
Synonyms & antonyms	2, 3, 4, 5	L.2.5.B, L.3.5.B, L.4.5.C, L.5.5.C
Text features (headings, captions, bold)	2, 3, 4, 5	RI.2.5, RI.3.5, RI.4.5, RI.5.5
Theme & symbolism	6, 7, 8, 9, 10	RL.6.2, RL.7.2, RL.8.2, RL.9–10.2
Tone & mood	6, 7, 8, 9, 10	RL.6.4, RL.8.4, RL.9–10.4
Vocabulary builder	PK, K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	L.K.4, L.1.4, L.2.4, L.3.4, L.4.4, L.5.4
Word families (-at, -ig, -op...)	K, 1, 2	RF.K.3, RF.1.3.A, RF.1.3.B
World literature	9, 10	RL.9–10.6, RL.9–10.10
Writing paragraphs	3, 4, 5, 6	W.3.2, W.4.2, W.5.2
Writing sentences	1, 2, 3	L.1.1.J, L.2.1.F, W.1.2, W.2.2

Scope & notes. The Common Core State Standards apply only to Mathematics and English Language Arts; Studyfin's Science, Social Studies, History, Geography and other subjects are aligned to the **Texas Essential Knowledge & Skills (TEKS)** framework instead, and Pre-Kindergarten is aligned to the **2022 Texas Prekindergarten Guidelines** (CCSS does not define Pre-K standards). Topics such as college-level AP preparation and Personal Financial Literacy fall outside the CCSS scope and are therefore not listed here.

Studyfin is a product of Contribute AI LLC. This document is an alignment mapping prepared by Contribute AI LLC and reflects the curriculum as of June 22, 2026; it is a statement of standards alignment, not an endorsement or certification by the Common Core State Standards Initiative, CCSSO, or NGA. "Common Core State Standards" © Copyright 2010 National Governors Association Center for Best Practices and Council of Chief State School Officers. All rights reserved.