

State Standards Alignment

North Carolina

Zearn Math is a K-8 print and software-based curriculum that transforms the math block to create differentiation and engagement for each student, every day.

Zearn Math curricular materials for Kindergarten and 3rd grade are fully aligned with the **North Carolina Standard Course of Study for Mathematics (NCSCoS)** and can be utilized as the primary curriculum in the math classroom to meet all standards. Zearn Math curricular materials for 1st, 2nd, and 4th - 8th grades are largely aligned with the **North Carolina Standard Course of Study for Mathematics (NCSCoS)** and can be utilized as the primary curriculum in the math classroom, with minor supplementing from additional resources, to meet all standards. The tables on the following pages describe the alignment for each specific standard.

Key



FULLY ALIGNED

Zearn Math curricular materials are fully aligned to this standard and can be utilized as the primary instructional materials in the math classroom in order to meet the full expectation of this standard.



MOSTLY ALIGNED

Zearn Math curricular resources are mostly aligned to this standard; however, teachers will need to amend instruction to address the part of the standard not covered by Zearn Math. Such amendments should be made within the current Zearn lessons and should not require any additional instructional days.



PARTIALLY ALIGNED

Zearn Math curricular resources are partially aligned to this standard; therefore, it is recommended that teachers use supplemental materials to fully address this specific standard. Additional instructional days may be needed to adequately address this standard.



NOT ALIGNED

Zearn Math curricular resources are not aligned to this standard; therefore, it is recommended that teachers use supplemental materials to fully address this specific standard. Additional instructional days may be needed to adequately address this standard.



State Standards Alignment

North Carolina: Kindergarten

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Counting & Cardinality

STANDARD	MISSION	TOPICS	ALIGN
NC.K.CC.1	5	A, B, D, E	✓
NC.K.CC.2	1	G	✓
	5	A, B, D, E	✓
NC.K.CC.3	1	C, D, E, F	✓
	5	B, C, D, E	✓
NC.K.CC.4	1	B, C, D, E, F, G, H	✓
	5	A, B, C, D, E	✓
NC.K.CC.5	1	D, E, F, G, H	✓
	5	A, B, C, D, E	✓
NC.K.CC.6	3	B, E, F, G, H	✓
NC.K.CC.7	3	F, G, H	✓

Operations & Algebraic Thinking

STANDARD	MISSION	TOPICS	ALIGN
NC.K.OA.1	4	A, B, C, D, G, H	✓
NC.K.OA.2	4	C, D, F, G, H	✓
NC.K.OA.3	1	E	✓
	4	A, B, C, D, E, G	✓
NC.K.OA.4	4	B, C, H	✓
NC.K.OA.5	4	A	✓
NC.K.OA.6	4	A	✓

Numbers & Operations in Base 10

STANDARD	MISSION	TOPICS	ALIGN
NC.K.NBT.1	5	A, B, C, D, E	✓

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
NC.K.MD.1	3	A, B, C, D, F, H	✓
NC.K.MD.2	3	A, B, C, D, F, H	✓
NC.K.MD.3	1	A, B, C, E	✓
	2	A, B, C	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.K.G.1	2	A, B, C	✓
	6	B	✓
NC.K.G.2	2	A, B, C	✓
	6	A	✓
NC.K.G.3	2	C	✓
NC.K.G.4	2	A, B, C	✓
	6	A, B	✓
NC.K.G.5	6	A	✓
NC.K.G.6	6	B	✓



State Standards Alignment

North Carolina: 1st Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

STANDARD	MISSION	TOPICS	ALIGN
NC.1.OA.1	1	A, B, C, G, H	✓
	2	A, B, C, D	✓
	3	C, D	✓
	4	E	✓
	6	A, F	✓
NC.1.OA.2	2	A	✓
NC.1.OA.3	1	E, F	✓
	2	A, B	✓
NC.1.OA.4	1	G, H, I	✓
	2	B, C	✓
NC.1.OA.6	1	B, C, D, F, I, J	✓
	2	A, B, C, D	✓
NC.1.OA.7	1	E	✓
	2	B, C	✓
NC.1.OA.8	1	D, H	✓
	2	C	✓
NC.1.OA.9	1	F, J	✓

Numbers & Operations in Base 10

STANDARD	MISSION	TOPICS	ALIGN
NC.1.NBT.1 ¹	4	A	✓
	6	B	✓
NC.1.NBT.2	2	D	✓
	4	A, B, F	✓
	6	B	✓
NC.1.NBT.3	4	B	✓
	6	B	✓
NC.1.NBT.4	4	C, D, F	✓
	6	C, D	✓
NC.1.NBT.5	2	D	✓
	4	A	✓
	6	B	✓
NC.1.NBT.6	4	C	✓
	6	C	✓
NC.1.NBT.7	4	A	✓
	6	B	✓

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
NC.1.MD.1	3	A, B	✓
NC.1.MD.2	3	B, C	✓
NC.1.MD.3	5	D	✓
	6	E	✓
NC.1.MD.4	3	D	✓
NC.1.MD.5	4	A	✓
	6	E	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.1.G.1	5	A	✓
NC.1.G.2	5	B	✓
NC.K.G.6	5	C, D	✓

¹Zearn Math includes lessons that target NC.1.NBT.1; however, the Zearn Math lessons only require students count up to 120, not 150. Teachers will need to amend instruction to ensure students master the full intent of NC.1.NBT.1.



State Standards Alignment

North Carolina: 2nd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

STANDARD	MISSION	TOPICS	ALIGN
NC.2.OA.1	1	B	✓
	3	G	✓
	4	A, B, C, F	✓
NC.2.OA.2	1	A, B	✓
NC.2.OA.3	6	D	✓
NC.2.OA.4	6	A, B, C	✓

Numbers & Operations in Base 10

STANDARD	MISSION	TOPICS	ALIGN
NC.2.NBT.1	3	A, B, C, D, E	✓
NC.2.NBT.2	3	B, C, D, E, G	✓
	6	A, B	✓
	7	B, E	✓
	8	D	✓
NC.2.NBT.3	3	C, D, E	✓
NC.2.NBT.4	3	E, F	✓
NC.2.NBT.5	1	B	✓
	4	A, B, C, D, E, F	✓
	5	A, B, C, D	✓
	7	B, E	✓
	8	D	✓
NC.2.NBT.6	4	D	✓
	6	A	✓
	7	B	✓
	8	D	✓
NC.2.NBT.7	4	B, C, D, E, F	✓
	5	A, B, C, D	✓
NC.2.NBT.8	3	G	✓
	5	A, D	✓

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
NC.2.MD.1	2	A, B, C, D	✓
	7	C, D, F	✓
	8	A	✓
NC.2.MD.2	2	C	✓
	7	D	✓
NC.2.MD.3	2	B, D	✓
	7	D	✓
NC.2.MD.4	2	C, D	✓
	7	D	✓
NC.2.MD.5	2	D	✓
	7	E, F	✓
NC.2.MD.6	7	A, E, F	✓
NC.2.MD.7	8	D	✓
NC.2.MD.8	3	D	✓
	7	B	✓
NC.2.MD.10	7	A	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.2.G.1 ¹	8	A, B, C	✓
NC.2.G.3	8	B, C, D	✓

¹Zearn Math includes lessons that target NC.2.G.1; however, the Zearn Math lessons do not include rectangular prisms. Teachers will need to amend instruction to ensure students master the full intent of NC.2.G.1.



State Standards Alignment

North Carolina: 3rd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

STANDARD	MISSION	TOPICS	ALIGN
NC.3.OA.1	1	A, C, E, F	✓
	3	A, B, C, D, E, F	✓
NC.3.OA.2	1	B, D, E, F	✓
	3	A, B, C, D, E	✓
NC.3.OA.3	1	A, B, C, D, E, F	✓
	3	A, B, C, D, E	✓
NC.3.OA.6	1	B, D, E, F	✓
	3	A, B, C, D, E	✓
NC.3.OA.7	1	B, C, D, E, F	✓
	3	A, B, C, D, E	✓
NC.3.OA.8	1	F	✓
	3	C, E, F	✓
	7	A	✓
NC.3.OA.9	3	A, D, E, F	✓

Numbers & Operations in Base 10

STANDARD	MISSION	TOPICS	ALIGN
NC.3.NBT.2	1	F	✓
	2	A, B, C, D, E	✓
	3	E	✓
NC.3.NBT.3	3	F	✓

Numbers & Operations - Fractions

STANDARD	MISSION	TOPICS	ALIGN
NC.3.NF.1	5	A, B, C	✓
NC.3.NF.2	5	D	✓
NC.3.NF.3	5	B, C, D, E	✓
NC.3.NF.4	5	C, D, E	✓

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
NC.3.MD.1	2	A, C, D, E	✓
NC.3.MD.2	2	B, C, D, E	✓
NC.3.MD.3	6	A, B	✓
NC.3.MD.5	4	A, B, C, D	✓
NC.3.MD.7	4	A, B, C, D	✓
NC.3.MD.8	7	C, D, E	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.3.G.1	7	B	✓



State Standards Alignment

North Carolina: 4th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

STANDARD	MISSION	TOPICS	ALIGN
NC.4.OA.1	1	A	✓
	3	A, B, C, D	✓
	5	g	✓
	7	A, B	✓
NC.4.OA.3	1	D, E, F	✓
	3	A, D, E, G, H	✓
	7	B, C	✓
NC.4.OA.4	3	F	✓
NC.4.OA.5	5	H	✓

Numbers & Operations in Base 10

STANDARD	MISSION	TOPICS	ALIGN
NC.4.NBT.1	1	A	✓
	3	B, C, G	✓
NC.4.NBT.2	1	A, B, D, E, F	✓
NC.4.NBT.4	1	D, E, F	✓
NC.4.NBT.5	3	B, C, D, H	✓
NC.4.NBT.6	3	E, F, G	✓
NC.4.NBT.7	1	B	✓

Numbers & Operations - Fractions

STANDARD	MISSION	TOPICS	ALIGN
NC.4.NF.1	5	B, D, E	✓
	6	B	✓
NC.4.NF.2	5	C, E	✓
NC.4.NF.3	5	A, B, E, F	✓
NC.4.NF.4	5	A, E, G	✓
NC.4.NF.6	6	A, B, D, E	✓
NC.4.NF.7	6	B, C	✓

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
NC.4.MD.1	2	A, B	✓
	5	D, F, G	✓
	6	A, B, C, D, E	✓
	7	A, B, C	✓
NC.4.MD.2	2	A, B	✓
	5	D, F, G	✓
	6	A, B, C, D, E	✓
	7	A, B, C	✓
NC.4.MD.3	3	A, H	✓
NC.4.MD.4 ¹	5	E, G	—
NC.4.MD.6	4	B, C	✓
NC.4.MD.8	7	A	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.4.G.1	4	A, D	✓
NC.4.G.2	4	D	✓
NC.4.G.3	4	D	✓

¹Zearn Math includes lessons that target NC.4.MD.4; however, the Zearn Math lessons do not require students to collect their own data or determine whether a survey question will yield categorical or numerical data. Teachers will need to supplement instruction to ensure students master the full intent of NC.4.MD.4.



State Standards Alignment

North Carolina: 5th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

STANDARD	MISSION	TOPICS	ALIGN
NC.5.OA.2	2	A, B, C	✓
	4	D, G, H	✓
NC.5.OA.3	6	B, D	✓

Numbers & Operations in Base 10

STANDARD	MISSION	TOPICS	ALIGN
NC.5.NBT.1	1	A, D, E	✓
	2	A, C, D, E, G	✓
NC.5.NBT.3	1	B, D, E, F	✓
NC.5.NBT.5	2	B, D	✓
NC.5.NBT.6	2	E, F, H	✓
NC.5.NBT.7	1	C, D, E, F	✓
	2	C, D, G, H	✓
	4	E, G	✓

Numbers & Operations - Fractions

STANDARD	MISSION	TOPICS	ALIGN
NC.5.NF.1	3	B, C, D	✓
NC.5.NF.3	4	B	✓
NC.5.NF.4	4	C, D, E, F	✓
	5	C	✓
NC.5.NF.7	4	D	✓

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
NC.5.MD.1	1	A	✓
	2	D	✓
	4	C, E	✓
NC.5.MD.2 ¹	4	A	—
NC.5.MD.4	5	A, B	✓
NC.5.MD.5	5	B	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.5.G.1	6	A, C, D	✓
NC.5.G.3	5	D	✓

¹Zearn Math includes lessons that target NC.5.MD.2; however, the Zearn Math lessons do not require students to collect their own data, determine whether a survey question will yield categorical or numerical data, or data that changes over time. Teachers will need to supplement instruction to ensure students master the full intent of NC.5.MD.2.



State Standards Alignment North Carolina: 6th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Ratios & Proportional Relationships

STANDARD	MISSION	TOPICS	ALIGN
NC.6.RP.1	2	A, B	✓
NC.6.RP.2	2	C	✓
	3	A, C	✓
NC.6.RP.3	2	C, D, E, F	✓
	3	B, C, D, E	✓
	6	B, D	✓
NC.6.RP.4	3	B, C, D, E	✓
	6	B, D	✓

The Number System

STANDARD	MISSION	TOPICS	ALIGN
NC.6.NS.1	4	A, B, C, D, E	✓
NC.6.NS.2	5	D	✓
NC.6.NS.3	5	B, C, D, E	✓
	6	A	✓
	8	C	✓
NC.6.NS.4 ¹	7	D	✓
NC.6.NS.5	7	A, B, C	✓
NC.6.NS.6	7	A, C	✓
NC.6.NS.7	7	A, B	✓
NC.6.NS.8	7	C	✓
NC.6.NS.9	G7M5	A, B	✓

Expressions & Equations

STANDARD	MISSION	TOPICS	ALIGN
NC.6.EE.1	1	F	✓
	6	C	✓
NC.6.EE.2	1	B, C, F	✓
	6	B, C	✓
	7	B	✓
NC.6.EE.3	6	B	✓
NC.6.EE.4	5	D	✓
	6	B	✓
NC.6.EE.5	6	A, B, C	✓
	7	B	✓
NC.6.EE.6	6	A, B	✓
	7	B	✓
NC.6.EE.7	6	A, B	✓
NC.6.EE.8	7	B	✓
NC.6.EE.9	6	D	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.6.G.1	1	A, B, C, D, G	✓
	4	D	✓
NC.6.G.2	1	E	✓
	4	D, E	✓
NC.6.G.3	7	C	✓
NC.6.G.4	1	E, F, G	✓

Statistics & Probability

STANDARD	MISSION	TOPICS	ALIGN
NC.6.SP.1	8	A, B, D	✓
NC.6.SP.2	8	B, C, E	✓
NC.6.SP.3	8	B	✓
NC.6.SP.4	8	A, B, C, D	✓
NC.6.SP.5	8	A, B, C, D, E	✓

¹Zearn Math includes lessons that target NC.6.NS.4; however, the Zearn Math lessons do not include prime factorization. Teachers will need to amend instruction to ensure students master the full intent of NC.6.NS.4.



State Standards Alignment

North Carolina: 7th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Ratios & Proportional Relationships

STANDARD	MISSION	TOPICS	ALIGN
NC.7.RP.1	2	C	✓
	4	A	✓
NC.7.RP.2	2	A, B, C, D, E	✓
	3	A, B	✓
	4	A	✓
	5	C, D	✓
NC.7.RP.3	3	A	✓
	4	B, C, D	✓

Expressions & Equations

STANDARD	MISSION	TOPICS	ALIGN
NC.7.EE.1	6	D	✓
NC.7.EE.2	6	B	✓
NC.7.EE.3	3	C	✓
	5	C, F	✓
	6	A, B	✓
NC.7.EE.4	5	E	✓
	6	A, B, C	✓
	7	A	✓

Statistics & Probability

STANDARD	MISSION	TOPICS	ALIGN
NC.7.SP.1	8	C, D, E	✓
NC.7.SP.2	8	C, D, E	✓
NC.7.SP.3	8	C, D	✓
NC.7.SP.4	8	D, E	✓
NC.7.SP.5	8	A	✓
NC.7.SP.6	8	A	✓
NC.7.SP.7	8	A, C, E	✓
NC.7.SP.8	8	A, B	✓

The Number System

STANDARD	MISSION	TOPICS	ALIGN
NC.7.NS.1	5	A, B	✓
	6	D	✓
	7	B	✓
NC.7.NS.2	4	A	✓
	5	A, C	✓
	8	D	✓
NC.7.NS.3	5	B, C, D, E, F	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.7.G.1	1	A, B, C	✓
	2	A	✓
	3	B, C	✓
NC.7.G.2	3	A	✓
	7	B, D	✓
NC.7.G.4	3	A, B, C	✓
NC.7.G.5	7	A	✓
NC.7.G.6 ¹	1	A	✓
	2	C	✓
	3	B	✓
	7	C, D	✓

¹Zearn Math includes lessons that target NC.7.G.6; however, the Zearn Math lessons do not include pyramids. Teachers will need to amend instruction to ensure students master the full intent of NC.7.G.6.



State Standards Alignment

North Carolina: 8th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

The Number System

STANDARD	MISSION	TOPICS	ALIGN
NC.8.NS.1	8	E	✓
NC.8.NS.2	8	A, B, C, D, E	✓

Expressions & Equations

STANDARD	MISSION	TOPICS	ALIGN
NC.8.EE.1	7	B, C	✓
NC.8.EE.2	8	B, C, D	✓
NC.8.EE.3	7	C, D	✓
NC.8.EE.4	7	C, D	✓
NC.8.EE.7 ¹	4	B	✓
NC.8.EE.8	3	D, E	✓
	4	B, C, D	✓

¹Zearn Math includes lessons that target NC.8.EE.7; however, the Zearn Math lessons do not include inequalities. Teachers will need to amend instruction to ensure students master the full intent of NC.8.EE.7.

Functions

STANDARD	MISSION	TOPICS	ALIGN
NC.8.F.1	5	A, B, E	✓
NC.8.F.2	5	B, C	✓
NC.8.F.3	5	B, C, E	✓
NC.8.F.4	5	C, D, E	✓
NC.8.F.5	2	C	✓
	3	A, B, C, E	✓
	5	B, C	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
NC.8.G.2	1	A, B, C, D	✓
	2	B	✓
NC.8.G.3	1	A	✓
	2	A, C	✓
NC.8.G.4	2	B	✓
NC.8.G.5	1	D	✓
	2	B, D	✓
	G7M7	A	✓
NC.8.G.6	8	C	✓
NC.8.G.7	8	C	✓
NC.8.G.8	8	C	✓
NC.8.G.9	5	D, E, F	✓

Statistics & Probability

STANDARD	MISSION	TOPICS	ALIGN
NC.8.SP.1	6	A, B	✓
NC.8.SP.2	6	B	✓
NC.8.SP.3	6	B	✓
NC.8.SP.4	6	C	✓