

State Standards Alignment Kentucky

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, 1st, and 7th grades are fully aligned with the **Kentucky Academic Standards for Mathematics** and can be utilized as the primary curriculum in the math classroom to meet all standards. Zearn Math curricular materials for 2nd - 6th, and 8th grades are largely aligned with the **Kentucky Academic Standards for Mathematics** 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

Kentucky: Kindergarten

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Counting & Cardinality

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

Operations & Algebraic Thinking

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

Numbers & Operations in Base 10

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

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
KY.K.MD.1	3	A, B, C, D, H	✓
KY.K.MD.2	3	A, B, C, D, F, H	✓
KY.K.MD.3	1	A, B, C, E	✓
	2	A, B, C	✓
KY.K.MD.4	G1M6	E	✓

Geometry

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



State Standards Alignment

Kentucky: 1st Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

STANDARD	MISSION	TOPICS	ALIGN
KY.1.OA.1	1	A, B, C, G, H	✓
	2	A, B, C, D	✓
	3	C, D	✓
	4	E	✓
	6	A, F	✓
KY.1.OA.2	2	A	✓
KY.1.OA.3	1	E, F	✓
	2	A, B	✓
KY.1.OA.4	1	G, H, I	✓
	2	B, C	✓
KY.1.OA.5	1	A, B, C, D, G, H, I	✓
	2	B, C	✓
KY.1.OA.6	1	B, C, D, F, I, J	✓
	2	A, B, C, D	✓
KY.1.OA.7	1	E	✓
	2	B, C	✓
KY.1.OA.8	1	D, H	✓
	2	C	✓

Numbers & Operations in Base 10

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

Measurement & Data

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

Geometry

STANDARD	MISSION	TOPICS	ALIGN
KY.1.G.1	5	A	✓
KY.1.G.2	5	B	✓
KY.1.G.3	5	C, D	✓

¹To ensure students master the full intent of KY.1.NBT.1, Zearn Math includes Number Gym activities in Independent Digital Lessons that require counting backwards.



State Standards Alignment

Kentucky: 2nd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

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

¹To ensure students master the full intent of KY.2.NBT.2, Zearn Math includes Number Gym activities in Independent Digital Lessons that require counting backwards.

²Zearn Math includes lessons that target KY.2.MD.9; however, the Zearn Math lessons do not require students to identify a statistical question focused on measurements. Teachers will need to amend instruction to ensure students master the full intent of KY.2.MD.9.

Numbers & Operations in Base 10

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

Measurement & Data

STANDARD	MISSION	TOPICS	ALIGN
KY.2.MD.1	2	A, B, C, D	✓
	7	C, D, F	✓
	8	A	✓
KY.2.MD.2	2	C	✓
	7	D	✓
KY.2.MD.3	2	B, D	✓
	7	D	✓
KY.2.MD.4	2	C, D	✓
	7	D	✓
KY.2.MD.5	2	D	✓
	7	E, F	✓
KY.2.MD.6	7	A, E, F	✓
KY.2.MD.7	8	D	✓
KY.2.MD.8	3	D	✓
	7	B	✓
KY.2.MD.9 ²	7	F	✓
KY.2.MD.10	7	A	✓

Geometry

STANDARD	MISSION	TOPICS	ALIGN
KY.2.G.1	8	A, B, C	✓
KY.2.G.2	6	C	✓
KY.2.G.3	8	B, C, D	✓



State Standards Alignment

Kentucky: 3rd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

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

Numbers & Operations in Base 10

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

Numbers & Operations - Fractions

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

Measurement & Data

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

Geometry

STANDARD	MISSION	TOPICS	ALIGN
KY.3.G.1	7	B	✓
KY.3.G.2	5	A, B, C	✓

¹Zearn Math includes lessons that target KY.3.MD.3; however, the Zearn Math lessons do not require students to identify a statistical question focused on categorical data. Teachers will need to amend instruction to ensure students master the full intent of KY.3.MD.3.

²Zearn Math includes lessons that target KY.3.MD.4; however, the Zearn Math lessons do not require students to identify a statistical question focused on numerical data or make observations about the shape of the data distribution. Teachers will need to amend instruction to ensure students master the full intent of KY.3.MD.4.



State Standards Alignment

Kentucky: 4th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

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

Numbers & Operations in Base 10

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

Numbers & Operations - Fractions

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

Measurement & Data

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

Geometry

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

¹Zearn Math includes lessons that target KY.4.MD.4; however, the Zearn Math lessons do not require students to identify a statistical question focused on numerical data. Teachers will need to amend instruction to ensure students master the full intent of KY.4.MD.4.



State Standards Alignment

Kentucky: 5th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Operations & Algebraic Thinking

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

Numbers & Operations in Base 10

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

Numbers & Operations - Fractions

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

Measurement & Data

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

Geometry

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

¹Zearn Math includes lessons that target KY.4.MD.4; however, the Zearn Math lessons do not require students to identify a statistical question focused on categorical or numerical data or select an appropriate data display. Teachers will need to amend instruction to ensure students master the full intent of KY.4.MD.4.



State Standards Alignment

Washington: 6th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Ratios & Proportional Relationships

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

The Number System

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

Expressions & Equations

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

Geometry

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

Statistics & Probability

STANDARD	MISSION	TOPICS	ALIGN
KY.6.SP.0	8	E	✓
KY.6.SP.1	8	A, B, D	✓
KY.6.SP.2	8	B, C, E	✓
KY.6.SP.3	8	B	✓
KY.6.SP.4	8	A, B, C, D	✓
KY.6.SP.5	8	A, B, C, D, E	✓

¹Zearn Math does not include any lessons that require students to classify three-dimensional figures. Teachers will need to supplement instruction to ensure students master the full intent of KY.6.G.4.



State Standards Alignment

Washington: 7th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Ratios & Proportional Relationships

STANDARD	MISSION	TOPICS	ALIGN
KY.7.RP.1	2	C	✓
	4	A	✓
KY.7.RP.2	2	A, B, C, D, E	✓
	3	A, B	✓
	4	A	✓
	5	C, D	✓
KY.7.RP.3	3	A	✓
	4	B, C, D	✓
	G6M3	D	✓

Expressions & Equations

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

Statistics & Probability

STANDARD	MISSION	TOPICS	ALIGN
KY.7.SP.0	8	D, E	✓
KY.7.SP.1	8	C, D, E	✓
KY.7.SP.2	8	C, D, E	✓
KY.7.SP.3	8	C, D	✓
KY.7.SP.4	8	D, E	✓
KY.7.SP.5	8	A	✓
KY.7.SP.6	8	A	✓
KY.7.SP.7	8	A, C, E	✓
KY.7.SP.8	8	A, B	✓

The Number System

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

Geometry

STANDARD	MISSION	TOPICS	ALIGN
KY.7.G.1	1	A, B, C	✓
	2	A	✓
	3	B, C	✓
KY.7.G.2	3	A	✓
	7	B, D	✓
KY.7.G.3	7	C	✓
KY.7.G.4	3	A, B, C	✓
KY.7.G.5	7	A	✓
KY.7.G.6	1	A	✓
	2	C	✓
	3	B	✓
	7	C, D	✓
	G6M1	E, F, G	✓



State Standards Alignment

Washington: 8th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

The Number System

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

Expressions & Equations

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

Functions

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

Geometry

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

Statistics & Probability

STANDARD	MISSION	TOPICS	ALIGN
KY.8.SP.1	6	A, B	✓
KY.8.SP.2	6	B	✓
KY.8.SP.3	6	B	✓

¹Zearn Math includes lessons that target KY.8.G.9; however, the Zearn Math lessons do not include surface area. Teachers will need to amend instruction to ensure students master the full intent of KY.8.G.9.