

State Standards Alignment Virginia

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 are largely aligned with the **Mathematics Standards for Learning for Virginia Public Schools** 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 Virginia: Kindergarten

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
K.1a	1	C, D, E, F, G, H	✓
	5	A, B, C, D, E	✓
K.1b	1	D, E, F	✓
	5	B, C, D, E	✓
K.2a	3	B, E, F, G, H	✓
	5	E	✓
K.2b	3	F	✓
K.3a	5	A, B, D, E	✓
K.3b	1	H	✓
K.3c	1	G	✓
	5	A, B, D, E	✓
K.3d	5	A, B, D, E	✓
K.4a	4	A	✓
K.4b	4	B, C, H	✓
K.5	1	C	✓
	4	A, B, C, D, E, G	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
K.6	4	C, D, F, G, H	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
K.7	G1M6	E	✓
K.8 ¹			X
K.9	3	A, B, C, D, F, H	✓
K.10a	2	A, B, C	✓
	6	A	✓
K.10b	2	A, B, C	✓
	6	A, B	✓
K.10c	2	A, B, C	✓
	6	B	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
K.11a	G1M3	D	✓
K.11b	G2M7	A	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
K.12	1	A, B, C, E	✓
	2	A, B, C	✓
K.13	1	H	✓
	4	B, H	✓
	5	A, B, C	✓

¹Zearn Math does not include any lessons that allow students to study time concepts from a calendar. Teachers will need to supplement instruction to ensure students master the full intent of K.8.



State Standards Alignment

Virginia: 1st Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
1.1a	4	A	✓
	6	B	✓
1.1b	6	B	✓
1.1c ¹			✓
1.1d	4	A	✓
	6	B	✓
	G2M3	B	✓
	G2M6	A, B	✓
1.2a	2	D	✓
	4	A, B, F	✓
	6	B	✓
1.2b	4	B	✓
	6	B	✓
1.2c ²	4	B	✓
1.3	GKM6	A	✓
1.4a	5	B	✓
1.4b	5	B	✓
1.5a ³	6	B	✓
	G2M3	F	✓
1.5b	4	B	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
1.6	1	A, B, C, G, H	✓
	2	A, B, C, D	✓
	3	C, D	✓
	4	E	✓
	6	A, F	✓
1.7a	1	E, F	✓
	2	A, B	✓
1.7b	1	B, C, D, F, I, J	✓
	2	A, B, C, D	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
1.8	6	E	✓
1.9a	5	D	✓
1.9b ⁴			X
1.10 ⁵	3	A, B	✓
1.11a	5	A	✓
1.11b	GKM2	A, B, C	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
1.12a	3	D	✓
1.12b	3	D	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
1.13	5	A	✓
1.14	1	B, D, F, J	✓
	2	A, B	✓
	4	D	✓
	6	B	✓
1.15	1	E	✓
	2	B, C	✓

¹To ensure students master the full intent of 1.1c, Zearn Math includes digital activities that require counting backwards; however, the Zearn Math digital activities do not include counting orally. Teachers will need to amend instruction to ensure students master the full intent of 1.1c.

²Zearn Math includes lessons that target 1.2c; however, the Zearn Math lessons do not include ordering sets. Teachers will need to amend instruction to ensure students master the full intent of 1.2c.

³Zearn Math includes lessons that target 1.5a; however, the Zearn Math lessons do not include ordering three quantities. Teachers will need to amend instruction to ensure students master the full intent of 1.5a.

⁴Zearn Math does not include any lessons that allow students to study time concepts from a calendar. Teachers will need to supplement instruction to ensure students master the full intent of 1.9b.

⁵Zearn Math includes lessons that target 1.10; however, the Zearn Math lessons do not include weight and volume. Teachers will need to amend instruction to ensure students master the full intent of 1.10.



State Standards Alignment

Virginia: 2nd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
2.1a	3	A, B, C, D, E	✓
2.1b	3	G	✓
	5	A, D	✓
2.1c	3	E, F	✓
2.1d	G3M2	C	✓
2.2a	3	C, D, E	✓
2.2b ¹			✓
2.2c	6	D	✓
2.3a ²	GKM6	A	✓
2.3b ²	GKM6	A	✓
2.4a	8	B, C, D	✓
	G3M5	A	✓
2.4b	8	B, C, D	✓
	G3M5	A, B	✓
2.4c	G3M5	C	✓

¹To ensure students master the full intent of 2.2b, Zearn Math includes digital activities that require counting backwards.

²Zearn Math includes lessons that target 2.3a and 2.3b; however, the Zearn Math lessons do not include ordinal positions eleventh through twentieth. Teachers will need to amend instruction to ensure students master the full intent of 2.3a and 2.3b.

³Zearn Math includes lessons that target 2.8b; however, the Zearn Math lessons do not include pounds. Teachers will need to amend instruction to ensure students master the full intent of 2.8b.

⁴Zearn Math does not include any lessons that allow students to study time concepts from a calendar. Teachers will need to supplement instruction to ensure students master the full intent of 2.10a and 2.10b.

⁵Zearn Math does not include any lessons that allow students to study temperature using a thermometer. Teachers will need to supplement instruction to ensure students master the full intent of 2.11.

⁶Zearn Math includes lessons that target 2.17; however, the Zearn Math lessons do not include the not equal symbol. Teachers will need to amend instruction to ensure students master the full intent of 2.17.

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
2.5a	1	B	✓
	3	G	✓
	4	A, B, C, F	✓
2.5b	1	A, B	✓
2.6a	G3M2	D	✓
2.6b	1	B	✓
	4	B, C, D, E, F	✓
	5	A, B, C, D	✓
	6	A	✓
	7	B, E	✓
	8	D	✓
2.6c	1	B	✓
	3	G	✓
	4	A, B, C, F	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
2.7a	7	B	✓
2.7b	3	D	✓
	7	B	✓
2.8a	2	A, B, C, D	✓
	7	C, D, F	✓
2.8b ³	G3M2	B, C	✓
2.9	8	D	✓
2.10a ⁴			X
2.10b ⁴			X
2.11 ⁵			X
2.12a	G4M4	D	✓
2.12b	G4M4	D	✓
2.13	8	A, B, C	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
2.14	G7M8	A	✓
2.15a	7	A	✓
2.15b	7	A	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
2.16	1	B	✓
	3	B, C, D, E, G	✓
	4	A, B, D	✓
	5	A	✓
	6	A, B, C, D	✓
2.17 ⁶	G1M1	E	✓



State Standards Alignment

Virginia: 3rd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
3.1a	G4M1	A	✓
3.1b	2	C, D, E	✓
	G4M1	C	✓
3.1c	G4M1	B	✓
3.2a	5	B, C	✓
3.2b	5	D	✓
3.2c ¹	5	C, D, F	✓
	G4M5	C, E	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
3.3a	2	A, D, E	✓
3.3b	2	A, B	✓
3.4a	1	D, E, F	✓
	3	A, B, C, D, E	✓
3.4b	1	A, B, C, D, E, F	✓
	3	A, B, C, D, E	✓
3.4c	1	D, E, F	✓
	3	A, B, C, D, E	✓
3.4d	G4M3	C, D	✓
3.5	G4M5	A, B, D, E, F	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
3.6a	G2M7	B	✓
3.6b	G2M7	B	✓
3.6c	G2M7	B	✓
3.7a	6	B	✓
	7	D	✓
3.7b	2	B, C, D, E	✓
3.8a	7	C, D, E	✓
3.8b	4	A, B, D	✓
3.9a	2	A, C, D, E	✓
3.9b	2	C, D, E	✓
3.9c	2	C, D, E	✓
3.10 ²			X
3.11	G4M4	A, D	✓
3.12a	7	B	✓
3.12b ³	7	B	✓
3.12c	7	B	✓
3.13	G8M1	C	✓

¹Zearn Math includes lessons that target 3.2c; however, the Zearn Math lessons not include the not equal to symbol. Teachers will need to amend instruction to ensure students master the full intent of 3.2c.

²Zearn Math does not include any lessons that allow students to study temperature using a thermometer. Teachers will need to supplement instruction to ensure students master the full intent of 3.10.

³Zearn Math includes lessons that target 3.12b; however, the Zearn Math lessons not include all polygons with 10 or fewer sides. Teachers will need to amend instruction to ensure students master the full intent of 3.12b.

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
3.14	G7M8	A	✓
3.15a	6	A	✓
3.15b	6	A	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
3.16	3	A, D, E, F	✓
3.17	1	A, B, C, D, E, F	✓



State Standards Alignment

Virginia: 4th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
4.1a	1	A	✓
	3	B, C, G	✓
4.1b	1	A, B, D, E, F	✓
4.1c	1	C	✓
4.2a	5	C, E	✓
4.2b	5	B, D, E	✓
	6	B	✓
4.2c	G5M4	B	✓
4.3a ¹	6	A, B	✓
4.3b	G5M1	B	✓
4.3c	6	B, C	✓
4.3d	6	A, B, D, E	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
4.4a ²			✓
4.4b	1	D, E, F	✓
	3	B, C, D, H	✓
4.4c	3	E, F, G	✓
4.4d	1	D, E, F	✓
	3	A, D, E, G, H	✓
	7	B, C	✓
4.5a	3	F	✓
4.5b	5	D, E, F	✓
	G5M3	A, B, C, D	✓
4.5c	5	D, E	✓
4.6a	G5M1	D	✓
4.6b	G5M2	D	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
4.7	3	A, H	✓
4.8a	G2M7	C, D	✓
4.8b	G3M2	B, E	✓
4.8c	2	A, B	✓
	6	A, B, C, D	✓
	7	A, B, C	✓
4.8d	2	A, B	✓
	6	C, E	✓
	7	A, B, C	✓
4.9	G3M2	A	✓
4.10a	4	A, D	✓
4.10b	4	D	✓
4.11 ³	4	D	✓
4.12	G5M5	D	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
4.13a	G7M8	A	✓
4.13b	G7M8	A	✓
4.13c	G7M8	A	✓
4.14a	G3M6	A, B	✓
4.14b	G3M6	A, B	✓
4.14c	G3M6	A, B	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
4.15	5	H	✓
4.16	G6M6	A	✓

¹Zearn Math includes lessons that target 4.3a; however, the Zearn Math lessons go hundredths, not thousandths. Teachers will need to amend instruction to ensure students master the full intent of 4.3a.

²To ensure students master the full intent of 4.4a, Zearn Math includes digital activities that develop fluency of multiplication and vision facts.

³Zearn Math includes lessons that target 4.11; however, the Zearn Math lessons do not include solid figures. Teachers will need to amend instruction to ensure students master the full intent of 4.11.



State Standards Alignment Virginia: 5th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
5.1	1	C	✓
5.2a	1	B	✓
5.2b	1	B	✓
5.3a	G4M3	F	✓
5.3b	G2M6	D	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
5.4	3	B, D	✓
5.5a	1	E, F	✓
	2	C, D, G, H	✓
	4	E, G	✓
5.5b	1	D, F	✓
	2	D, H	✓
	4	F, G, H	✓
5.6a	3	B, C, D	✓
5.6b	4	C	✓
5.7	2	A, B, C	✓
	4	D, G, H	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
5.8a	5	A, B, C	✓
	G4M3	A, H	✓
5.8b ¹			X
5.9a	1	A	✓
	2	D	✓
	4	C, E	✓
5.9b	1	A	✓
	2	D	✓
	4	C, E	✓
5.10	G7M3	A	✓
5.11	G3M2	A	✓
5.12	G4M4	B	✓
5.13a	G4M4	D	✓
5.13b	G8M1	D	✓
5.14a	G8M1	A	✓
5.14b	5	D	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
5.15	G7M8	A	✓
5.16a ²	4	A	✓
5.16b ²	4	A	✓
5.16c ³			X
5.17a	G6M8	C, D	✓
5.17b	G6M8	C	✓
5.17c	G6M8	D	✓
5.17d	G6M8	C, D	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
5.18	6	B, D	✓
5.19a	G6M1	B, C, F	✓
5.19b	G6M6	A, B	✓
5.19c	G6M1	B, C, F	✓
5.19d	G6M6	A, B	✓

¹Zearn Math does not include any lessons that allow students to differentiate among perimeter, area, and volume. Teachers will need to supplement instruction to ensure students master the full intent of 5.8b.

²Zearn Math includes lessons that target 5.16a and 5.16b; however, the Zearn Math lessons do not include stem-and-leaf plots. Teachers will need to amend instruction to ensure students master the full intent of 5.16a and 5.16b.

³Zearn Math does not include any lessons that allow students to compare line plots and stem-and-leaf plots. Teachers will need to supplement instruction to ensure students master the full intent of 5.16c.



State Standards Alignment Virginia: 6th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
6.1	2	A, B	✓
6.2a	3	D	✓
6.2b	7	A, C	✓
6.3a	7	A	✓
6.3b	7	A, C	✓
6.3c	7	A, B, C	✓
6.4	1	F	✓
	6	C	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
6.5a	4	A, B, C, D, E	✓
6.5b	4	E	✓
6.5c	5	B, C, D, E	✓
	6	A	✓
	8	C	✓
6.6a	G7M5	A, B, C	✓
6.6b	G7M5	B, C, D, E, F	✓
6.6c	G7M5	B, C, D, E, F	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
6.7a	G7M3	A	✓
6.7b	G7M3	A, B, C	✓
6.7c	1	A, B, C, D, G	✓
	4	D	✓
6.8a	7	A, C	✓
6.8b	7	A, C	✓
6.9	G8M1	C	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
6.10a ¹			X
6.10b ¹			X
6.10c ¹			X
6.11a	8	B	✓
6.11b	8	B	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
6.12a	G7M2	A, B, C, D, E	✓
6.12b	G7M2	A, B, C, D, E	✓
6.12c	G7M2	A, B, C, D, E	✓
6.12d	G7M2	A, B, C, D, E	✓
6.13	6	A, B	✓
6.14a	7	B	✓
6.14b	G7M6	C	✓

¹Zearn Math does not include any lessons involving circle graphs. Teachers will need to supplement instruction to ensure students master the full intent of 6.10a, 6.10b, and 6.10c.



State Standards Alignment Virginia: 7th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
7.1a	G8M7	B, C	✓
7.1b	G8M7	C	✓
7.1c	G6M7	A	✓
7.1d	G8M8	B, C, D	✓
7.1e	G6M7	A	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
7.2	5	B, C, D, E, F	✓
7.3	3	A	✓
	4	B, C, D	✓

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
7.4a ¹	7	C, D	✓
	G8M5	D	✓
7.4b ¹	7	C, D	✓
	G8M5	D	✓
7.5	G8M2	B	✓
7.6a	G5M5	D	✓
7.6b ²			X
7.7	G8M1	A	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
7.8a	8	A, C, E	✓
7.8b	8	A, C, E	✓
7.9a	G6M8	B	✓
7.9b	G6M8	B	✓
7.9c ³	G6M8	B	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
7.10a	2	C	✓
	3	B, C, E	✓
7.10b	3	A, B	✓
7.10c	G8M3	B	✓
7.10d	G8M3	B	✓
7.10e	G8M3	A, B	✓
7.11	G6M1	B, C, F	✓
	G6M6	B, C	✓
7.12	6	A, B	✓
7.13	6	C	✓

¹Zearn Math includes lessons that target 7.4a and 7.4b; however, the Zearn Math lessons do not include finding the surface area of cylinders. Teachers will need to amend instruction to ensure students master the full intent of 7.4a and 7.4b.

²Zearn Math does not include any lessons that allow students to determine unknown side lengths or angle measures of quadrilaterals. Teachers will need to supplement instruction to ensure students master the full intent of 7.6b.

³Zearn Math includes lessons that target 7.9c; however, the Zearn Math lessons do not include stem-and-leaf plots or circle graphs. Teachers will need to amend instruction to ensure students master the full intent of 7.9c.



State Standards Alignment

Virginia: 8th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

Number and Number Sense

STANDARD	MISSION	TOPICS	ALIGN
8.1 ¹			X
8.2 ²			X
8.3a	8		✓
8.3b	8	B, C, D	✓

Computation and Estimation

STANDARD	MISSION	TOPICS	ALIGN
8.4 ³			X

Measurement and Geometry

STANDARD	MISSION	TOPICS	ALIGN
8.5	G7M7	A	✓
8.6a ⁴	5	D	—
8.6b	G7M7	C	✓
8.7a	1	A	✓
	2	A, C	✓
8.7b	1	E	✓
	2	D	✓
8.8	G7M7	C	✓
8.9a	8	C	✓
8.9b	8	C	✓
8.10	G4M3	A, H	✓

Probability and Statistics

STANDARD	MISSION	TOPICS	ALIGN
8.11a ²			X
8.11b ²			X
8.12a	G6M8	D	✓
8.12b	G6M8	D	✓
8.12c	G7M8	C, D	✓
8.13a	6	A, B	✓
8.13b	6	B	✓
8.13c	6	B	✓

Patterns, Functions, and Algebra

STANDARD	MISSION	TOPICS	ALIGN
8.14a	G6M1	B, C, F	✓
	G6M6	B, C	✓
8.14b	G7M6	D	✓
8.15a	5	A, B, E	✓
8.15b ²			X
8.16a	3	C	✓
8.16b	3	C	✓
	5	C	✓
8.16c	5	A, B, C	✓
8.16d	3	A, B	✓
	5	B, C	✓
8.16e	3	B	✓
	5	C	✓
8.17	4	B	✓
8.18 ²			X

¹Zearn Math does not include any lessons focussed on comparing and ordering real numbers. Teachers will need to supplement instruction to ensure students master the full intent of 8.1.

²Zearn Math's K-8 curriculum does not cover the content of 8.2, 8.11a, 8.11b, 8.15b, and 8.18. The content is covered in Zearn Math's high school curriculum, which is currently under development.

³Zearn Math does not include any lessons where students solve practical problems involving consumer applications. Teachers will need to supplement instruction to ensure students master the full intent of 8.4.

⁴Zearn Math includes lessons that target 8.6a; however, the Zearn Math lessons only focus on calculating the volume of cones. Teachers will need to supplement instruction to ensure students master the full intent of 8.6a.