

# State Standards Alignment Massachusetts

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, 1<sup>st</sup>, 3<sup>rd</sup>, and 5<sup>th</sup> grades are fully aligned with the **Massachusetts Curriculum Framework for Mathematics** and can be utilized as the primary curriculum in the math classroom to meet all standards. Zearn Math curricular materials for 2<sup>nd</sup>, 4<sup>th</sup>, and 6<sup>th</sup> - 8<sup>th</sup> grades are largely aligned with the **Massachusetts Curriculum Framework for Mathematics** and can be utilized as the primary curriculum in the math classroom, with minor amendments, to meet all standards. The tables on the following pages describe the alignment for each specific standard.

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## 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 Massachusetts: Kindergarten

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

## Counting & Cardinality

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

## Operations & Algebraic Thinking

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

## Numbers & Operations in Base 10

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

## Measurement & Data

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

## Geometry

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



# State Standards Alignment Massachusetts: 1st Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

## Operations & Algebraic Thinking

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

## Numbers & Operations in Base 10

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

## Measurement & Data

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

## Geometry

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



# State Standards Alignment Massachusetts: 2nd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

## Operations & Algebraic Thinking

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

## Numbers & Operations in Base 10

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

## Measurement & Data

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

## Geometry

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

<sup>1</sup>Zearn Math includes lessons that target 2.MD.C.7; however, the Zearn Math lessons do not include all of the time relationships explicitly called for by 2.MD.C.7a. Teachers will need to amend instruction to ensure students master the full intent of 2.MD.C.7.



# State Standards Alignment Massachusetts: 3rd Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

## Operations & Algebraic Thinking

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

## Numbers & Operations in Base 10

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

## Numbers & Operations - Fractions

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

## Measurement & Data

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

## Geometry

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



# State Standards Alignment Massachusetts: 4th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

## Operations & Algebraic Thinking

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

## Numbers & Operations in Base 10

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

## Numbers & Operations - Fractions

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

## Measurement & Data

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

## Geometry

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

<sup>1</sup>Zearn Math includes digital fluency activities in Independent Digital Lessons that target 4.OA.A.3; however, the digital fluency activities only go up to 10 x 10, not 12 x 12. Teachers will need to amend instruction to ensure students master the full intent of 4.OA.A.3.



# State Standards Alignment Massachusetts: 5th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

## Operations & Algebraic Thinking

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

## Numbers & Operations in Base 10

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

## Numbers & Operations - Fractions

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

## Measurement & Data

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

## Geometry

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



# State Standards Alignment

## CCSS: 6th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

### Ratios & Proportional Relationships

STANDARD	MISSION	TOPICS	ALIGN
6.RP.A.1	2	A, B	✓
6.RP.A.2	2	C	✓
	3	A, C	✓
6.RP.A.3 <sup>1</sup>	2	C, D, E, F	✓
	3	B, C, D, E	✓
	6	B, D	✓

### The Number System

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

### Expressions & Equations

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

### Geometry

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

### Statistics & Probability

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

<sup>1</sup>Zearn Math includes lessons that target 6.RP.A.3; however, the Zearn Math lessons do not include solving problems that relate the mass of an object to its volume as called for by 6.RP.A.3e. Teachers will need to amend instruction to ensure students master the full intent of 6.RP.A.3.

<sup>2</sup>Zearn Math includes lessons that target 6.SP.B.4; however, the Zearn Math lessons do not include reading and interpreting circle graphs as called for by 6.SP.B.4a. Teachers will need to amend instruction to ensure students master the full intent of 6.SP.B.4.





# State Standards Alignment

## CCSS: 7th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

### Ratios & Proportional Relationships

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

### Expressions & Equations

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

### Statistics & Probability

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

### The Number System

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

### Geometry

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

<sup>1</sup>Zearn Math includes lessons that target 7.EE.B.4; however, the Zearn Math lessons do not include extending analysis of patterns to include analyzing, extending, and determining an expression for simple arithmetic and geometric sequences as called for by 7.EE.B.4c. Teachers will need to amend instruction to ensure students master the full intent of 7.EE.B.4.



# State Standards Alignment

## CCSS: 8th Grade

Key



FULLY ALIGNED



MOSTLY ALIGNED



PARTIALLY ALIGNED



NOT ALIGNED

### The Number System

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

### Expressions & Equations

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

### Functions

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

### Geometry

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

### Statistics & Probability

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

<sup>1</sup>Zearn Math includes lessons that target 8.EE.C.8; however, the Zearn Math lessons do not include the elimination method. Teachers will need to amend instruction to ensure students master the full intent of 8.EE.C.8.