Connecticut Mathematics Model Curricula Alignment

Resource Name: HMH Into Math Grade K

Alignment Grade K				
Model Unit Name	**Model Unit Standards**	**Resource Unit(s) Number**	**Resources Lessons**	**Pacing**
This is the title of the unit in the model curricula	*These are the standards addressed in the unit*	*This is the unit(s) that aligns with the model unit from the resource*	*These are the lessons from the identified units that align to the standards within the model unit*	*This is the expected number of days for instruction*
Counting and Matching Numerals 0-10 with Comparing	K.CC.A.1	Module 9	9.1, 9.2	2 Days
	K.CC.B.4	Modules 1, 2, 7, 8, 10, 13 & 17	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 8.4, 10.1, 13.1, 13.2, 13.3, 13.4, 17.1, 17.2, 17.3, 17.4	5 Weeks
	K.CC.C.6	Modules 3 & 10	3.1, 3.2, 3.3, 3.4, 3.5, 10.1, 10.2, 10.3, 10.4, 10.5	2 Weeks
	K.MD.B.3	Module 4	4.1, 4.2, 4.3, 4.4	4 Days
Counting and Matching Numerals 11 - 20	K.CC.A.2	Module 9	9.3	1 Day
	K.CC.A.3	Modules 2, 8 & 18	2.1, 2.2, 2.3, 2.4, 8.1, 8.2, 8.3, 18.1, 18.2, 18.3, 18.4	2 Weeks 1 Day
	K.CC.B.5	Modules 1, 7, 17 & 18	1.1, 1.2, 1.3, 1.4, 7.1, 7.2, 7.3, 17.1, 17.2, 17.3, 17.4, 18.4	2 Weeks 2 Days
	K.CC.C.7	Modules 3 & 10	3.6, 10.6	2 Days
	K.CC.A.1	Module 9	9.1, 9.2	2 Days
	K.CC.B.4	Modules 1, 2, 7, 8, 10, 13 & 17	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 8.4, 10.1, 13.1, 13.2, 13.3, 13.4, 17.1, 17.2, 17.3, 17.4	5 Weeks
	K.CC.C.6	Modules 3 & 10	3.1, 3.2, 3.3, 3.4, 3.5, 10.1, 10.2, 10.3, 10.4, 10.5	2 Weeks
Addition & Subtraction within 10	K.OA.A.1	Modules 5, 6, 11 & 12	5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 12.1, 12.2, 12.3, 12.4, 12.5	8 Weeks

	K.OA.A.2	Modules 5, 6, 11 & 12	5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 11.1, 11.2, 11.3, 11.4, 11.6, 11.7, 12.1, 12.2, 12.3, 12.4, 12.5	8 Weeks 2 Days
	K.OA.A.3	Modules 1 & 13	1.5, 13.1, 13.2, 13.3, 13.4	1 Week
	K.OA.A.4	Module 13	13.5	1 Day
	K.OA.A.5	Modules 5 & 6	5.7, 6.7	4 Days
	K.CC.A.3	Modules 2, 8 & 18	2.1, 2.2, 2.3, 2.4, 8.1, 8.2, 8.3, 18.1, 18.2, 18.3, 18.4	2 Weeks 1 Day
	K.CC.B.4	Modules 1, 2, 7, 8, 10, 13 & 17	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 8.4, 10.1, 13.1, 13.2, 13.3, 13.4, 17.1, 17.2, 17.3, 17.4	5 Weeks
	K.CC.B.5	Modules 1, 7, 17 & 18	1.1, 1.2, 1.3, 1.4, 7.1, 7.2, 7.3, 17.1, 17.2, 17.3, 17.4, 18.4	2 Weeks 2 Days
Teen Numbers (11-19) and Counting in 100	K.NBT.A.1	Modules 17 & 18	17.1, 17.2, 17.3, 17.4, 18.1, 18.2, 18.3	1 Week 2 Days
	K.OA.A.1	Modules 5, 6, 11 & 12	5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 12.1, 12.2, 12.3, 12.4, 12.5	8 Weeks
	K.CC.A.1	Module 9	9.1, 9.2	2 Days
	K.CC.A.2	Module 9	9.3	1 Days
	K.CC.B.4	Modules 1, 2, 7, 8, 10, 13 & 17	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 8.4, 10.1, 13.1, 13.2, 13.3, 13.4, 17.1, 17.2, 17.3, 17.4	5 Weeks
	K.CC.B.5	Modules 1, 7, 17 & 18	1.1, 1.2, 1.3, 1.4, 7.1, 7.2, 7.3, 17.1, 17.2, 17.3, 17.4, 18.4	2 Weeks 2 Days
Identify and Describe 2-D and 3-D Shapes	K.G.A.1	Module 15	15.1, 15.2, 15.3	3 Days
	K.G.A.2	Modules 14 & 16	14.1, 14.2, 14.3, 14.4, 16.1, 16.2, 16.3, 16.4, 16.5	1 Week 4 Days
	K.G.A.3	Modules 14 & 16	14.1, 14.2, 14.3, 14.4, 16.7	1 Week
	K.G.B.5	Modules 14 & 16	14.5, 16.1, 16.2, 16.3	4 Days
	K.MD.B.3	Module 4	4.1, 4.2, 4.3, 4.4	4 Days

Compare, Analyze and Compose 2-D and 3-D Shapes	K.G.B.4	Modules 14 & 16	14.1, 14.2, 14.3, 14.4, 16.1, 16.2, 16.3, 16.4, 16.5, 16.7	2 Weeks
	K.G.B.5	Modules 14 & 16	14.5, 16.1, 16.2, 16.3	4 Days
	K.G.B.6	Module 16	16.6	1 Day
	K.MD.A.2	Modules 19 & 20	19.2, 19.3, 20.2	3 Days
	K.G.A.1	Module 15	15.1, 15.2, 15.3	3 Days
	K.G.A.2	Modules 14 & 16	14.1, 14.2, 14.3, 14.4, 16.1, 16.2, 16.3, 16.4, 16.5	1 Week 4 Days
	K.G.A.3	Modules 14 & 16	14.1, 14.2, 14.3, 14.4, 16.7	1 Week
Measurement and Direct Comparison	K.MD.A.1	Modules 19 & 20	19.1, 20.1, 20.3	3 Days
	K.MD.A.2	Modules 19 & 20	19.2, 19.3, 20.2	3 Days

Scope and Sequence

If a district uses this resource to implement the state model curriculum for grade 6, the following scope and sequence should be followed to ensure alignment and attention to the progressions of mathematics.

Order	Unit Number/Title and Lessons	Lesson Objectives	# of days (assume 1 hour of instruction)	Number of weeks
1	Lesson 1.1 Represent 1 and 2	Understand 1 and 2 by using objects to represent and count.	1	
2	Lesson 1.2 Represent 3 and 4	Understand counting up to 5 by using objects to represent and count.	1	
3	Lesson 1.3 Represent 5	Understand counting up to 5 by using objects to represent and count.	1	
4	Lesson 1.4 Represent 0	Understand 0 to 5 by using objects to count and represent a word problem.	1	
5	Lesson 1.5 Ways to Make 5	Understand 5 in more than one way by using two groups of objects or drawings to represent 5.	1	Module 1 – 1 Week
6	Lesson 2.1 Count and Write 0 and 1	Understand the written numerals by counting and writing 0 and 1.	1	

7	Lesson 2.2 Count and Write 2 and 3	Understand the written numerals by counting and writing 2 and 3.	1	
8	Lesson 2.3 Count and Write 4 and 5	Understand the written numerals by counting and writing 4 and 5.	1	
9	Lesson 2.4 Count and Write Numbers to 5	Understand the written numerals by counting and writing 0 to 5.	1	
10	Lesson 2.5 Count and Order to 5	Understand each successive number refers to a quantity that is one larger by using objects to demonstrate the order of numbers.	1	Module 2 – 1 Week
11	Lesson 3.1 Identify a Greater Number of Objects Within 5	Identify the group of objects that has a number of objects greater than the number of objects in another group.	1	
12	Lesson 3.2 Identify a Lesser Number of Objects Within 5	Identify the group of objects that has a number of objects less than the number of objects in another group.	1	
13	Lesson 3.3 Match Equal Groups of Objects Within 5	Understand comparing equal groups by counting and matching groups with an equal numbers of objects.	1	
14	Lesson 3.4 Compare Groups Within 5 by Counting	Understand comparing groups of objects by using a counting strategy.	1	
15	Lesson 3.5 Compare Groups Within 5 by Matching	Understand comparing groups of objects by using a matching strategy.	1	
16	Lesson 3.6 Compare Numbers Within 5	Understand comparing two numbers by using the counting order.	1	Module 3 – 1 Week 1 Day
17	Lesson 4.1 Classify and Count by Color	Classify objects by colors and count how many of each color.	1	

18	Lesson 4.2 Classify and Count by Shape	Classify objects by shape and count how many of each shape.	1	
19	Lesson 4.3 Classify and Count by Size	Classify objects by size and count how many of each size.	1	
20	Lesson 4.4 Classify, Count, and Sort by Count	Classify objects, count the objects in each category, and sort the categories by count.	1	Module 4 – 4 Days
21	Lesson 5.1 Act Out Addition Problems Within 5	Represent an addition problem by acting out and drawing.	1	
22	Lesson 5.2 Act Out Subtraction Problems Within 5	Represent a subtraction problem by acting out and drawing.	1	
23	Lesson 5.3 Solve Add To Problems Within 5	Solve Add To problems with action, drawings, and equations.	2	
24	Lesson 5.4 Solve Take From Problems Within 5	Represent Take From problems with action, drawings, and equations.	2	
25	Lesson 5.5 Write Addition Equations Within 5	Understand how to represent addition problems with a drawing and an equation.	2	
26	Lesson 5.6 Write Subtraction Equations Within 5	Understand how to represent subtraction problems with a drawing and an equation.	2	
27	Lesson 5.7 Solve Result Unknown Word Problems Within 5	Understand how to solve result unknown word problems within 5.	2	Module 5 – 2 Weeks 2 Days
28	Lesson 6.1 Represent Addition Problems Within 5 Using Objects and Drawings	Represent addition problems with objects and drawings.	1	
29	Lesson 6.2 Represent Subtraction Problems Within 5 Using Objects and Drawings	Represent subtraction problems with objects and drawings.	1	
30	Lesson 6.3 Solve Put Together Problems Within 5	Solve Put Together problems with objects, drawings, and equations.	2	

31	Lesson 6.4 Solve Take Apart Problems Within 5	Solve Take Apart problems with objects, drawings, and equations.	2	
32	Lesson 6.5 Represent Addition Using Mental Images	Solve addition problems with mental images, drawings, and equations.	2	
33	Lesson 6.6 Represent Subtraction Using Mental Images	Solve subtraction problems with mental images, drawings, and equations.	2	
34	Lesson 6.7 Solve Word Problems Within 5	Solve addition and subtraction word problems with totals within 5.	2	Module 6 – 2 Weeks 2 Days
35	Lesson 7.1 Represent 6 and 7	Use various objects to represent and count numbers 6 and 7.	1	
36	Lesson 7.2 Represent 8 and 9	Use various objects to represent and count numbers 8 and 9.	1	
37	Lesson 7.3 Represent 10	Use various objects to represent and count to 10.	1	Module 7 – 3 Days
38	Lesson 8.1 Count and Write 6 and 7	Count and write 6 and 7.	1	
39	Lesson 8.2 Count and Write 8 and 9	Count and write 8 and 9.	1	
40	Lesson 8.3 Count and Write 10	Count and write 10.	1	
41	Lesson 8.4 Count and Order to 10	Use objects to count and order numbers to 10.	1	Module 8 – 4 Days
42	Lesson 9.1 Count to 100 by Ones	Understand the count sequence by counting to 100 by ones.	1	
43	Lesson 9.2 Count to 100 by Tens	Understand the count sequence by counting to 100 by tens.	1	
44	Lesson 9.3 Count Forward from a Given Number	Understand the count sequence by counting on from a given number.	1	Module 9 – 3 Days
45	Lesson 10.1 Identify a Greater Number of Objects Within 10	Compare the numbers of objects in each of two groups	1	

		to determine which number is greater.		
46	Lesson 10.2 Identify a Lesser Number of Objects Within 10	Compare the number of objects in each of two groups to determine which number is less.	1	
47	Lesson 10.3 Match Equal Groups of Objects Within 10	Compare the number of objects in each of two groups to determine if they are equal.	1	
48	Lesson 10.4 Compare Groups Within 10 by Counting	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group by counting.	1	
49	Lesson 10.5 Compare Groups Within 10 by Matching	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group by matching.	1	
50	Lesson 10.6 Compare Numbers Within 10	Compare two numbers within 10 to determine which is greater, which is less, or if the numbers are equal.	1	Module 10 – 1 Week 1 Day
51	Lesson 11.1 Act Out Addition Problems Within 10	Represent an addition problem by acting out and drawing.	1	
52	Lesson 11.2 Act Out Subtraction Problems Within 10	Represent a subtraction problem by acting out and drawing.	1	
53	Lesson 11.3 Solve Add To Problems Within 10	Solve Add To problems with action, drawings, and an equation.	2	
54	Lesson 11.4 Solve Take From Problems Within 10	Solve Take From problems with action, drawings, and an equation.	2	

55	Lesson 11.5 Write Addition Equations Within 10	Solve addition problems with objects, drawings, and an equation.	2	
56	Lesson 11.6 Write Subtraction Equations Within 10	Solve subtraction problems with objects, drawings, and an equation.	2	
57	Lesson 11.7 Solve Result Unknown Word Problems Within 10	Solve result unknown word problems.	2	Module 11 – 2 Weeks 2 Days
58	Lesson 12.1 Represent Addition Problems Within 10 Using Objects and Drawings	Understand how objects, drawings, and equations represent addition problems.	1	
59	Lesson 12.2 Represent Subtraction Problems Within 10 Using Objects and Drawings	Understand how objects, drawings, and equations represent subtraction problems.	1	
60	Lesson 12.3 Solve Put Together Problems Within 10	Use objects, drawings, and equations to solve Put Together problems within 10.	2	
61	Lesson 12.4 Solve Take Apart Problems Within 10	Use objects, drawings, and equations to solve Take Apart problems within 10.	2	
62	Lesson 12.5 Solve Word Problems Within 10	Use equations, objects, and drawings to solve Put Together and Take Apart word problems within 10.	2	Module 12 – 1 Week 3 Days
63	Lesson 13.1 Ways to Make 6 and 7	Decompose the numbers 6 and 7 into pairs in more than one way using objects or drawings and equations.	1	
64	Lesson 13.2 Ways to Make 8	Decompose the number 8 into pairs in more than one way using objects or drawings and equations.	1	
65	Lesson 13.3 Ways to Make 9	Decompose the number 9 into pairs in more than one way using objects or drawings and equations.	1	

66	Lesson 13.4 Ways to Make 10	Decompose the number 10 into pairs in more than one way using objects or drawings and equations.	1	
67	Lesson 13.5 Make 10 from a Given Number	Understand how to use objects and drawings to find the number that makes 10 when added to a given number.	1	Module 13 – 1 Week
68	Lesson 14.1 Identify and Describe Spheres	Understand how to identify and describe spheres by using words and comparing spheres with other shapes.	1	
69	Lesson 14.2 Identify and Describe Cubes	Understand how to identify and describe cubes by using words and comparing cubes with other shapes.	1	
70	Lesson 14.3 Identify and Describe Cylinders	Understand how to identify and describe cylinders by using words and comparing cylinders with other shapes.	1	
71	Lesson 14.4 Identify and Describe Cones	Understand how to identify and describe cones by using words and comparing cones with other shapes.	1	
72	Lesson 14.5 Build Shapes	Understand how to use sticks and clay to build solid shapes.	1	Module 14 – 1 Week
73	Lesson 15.1 Use Above and Below to Describe Position	Understand the position of objects in the environment by using the terms above and below.	1	
74	Lesson 15.2 Use Next To and Beside to Describe Position	Understand the position of objects in the environment by using the terms next to and beside.	1	
75	Lesson 15.3 Use In Front Of and Behind to Describe Position	Understand the position of objects in the environment by using the terms in front of and behind.	1	Module 15 – 3 Days

76	Lesson 16.1 Identify and Describe Circles	Understand how to identify and describe circles by using words and comparing circles with other two-dimensional shapes.	1	
77	Lesson 16.2 Identify and Describe Squares	Understand how to identify and describe squares by using words and comparing squares with other two-dimensional shapes.	1	
78	Lesson 16.3 Identify and Describe Triangles	Understand how to identify and describe triangles by using words and comparing triangles with other two-dimensional shapes.	1	
79	Lesson 16.4 Identify and Describe Rectangles	Understand how to identify and describe rectangles by using words and comparing rectangles with other two-dimensional shapes.	1	
80	Lesson 16.5 Identify and Describe Hexagons	Understand how to identify and describe hexagons by using words and comparing hexagons with other two-dimensional shapes.	1	
81	Lesson 16.6 Compose Simple Shapes	Understand how to compose simple shapes using other shapes and join them together.	1	
82	Lesson 16.7 Compare Two Dimensional and Three-Dimensional Shapes	Understand how to compare and contrast two-dimensional and three-dimensional shapes.	1	Module 16 – 1 Week 2 Days
83	Lesson 17.1 Compose Ten Ones and Some More Ones to 14	Understand the numbers 11 to 14 by decomposing the numbers into ten ones and some more ones using objects.	1	

84	Lesson 17.2 Compose Ten Ones and Some More Ones to 15	Understand the number 15 by decomposing the number into ten ones and some more ones using objects.	1	
85	Lesson 17.3 Compose Ten Ones and Some More Ones to 19	Understand the numbers 16 to 19 by decomposing the numbers into ten ones and some more ones using objects.	1	
86	Lesson 17.4 Represent Numbers to 20	Understand the number 20 by counting and representing objects.	1	Module 17 – 4 Days
87	Lesson 18.1 Count and Write 11 to 14	Understand the written numerals by reading and writing 11 to 14.	1	
88	Lesson 18.2 Count and Write 15	Understand the written numerals by reading and writing to 15.	1	
89	Lesson 18.3 Count and Write 16 to 19	Understand the written numerals by reading and writing 16 to 19.	1	
90	Lesson 18.4 Count and Write 20	Understand the written numerals by reading and writing to 20.	1	Module 18 – 4 Days
91	Lesson 19.1 Describe Attributes of Length and Height	Understand how to describe attributes of length and height.	1	
92	Lesson 19.2 Compare and Describe Lengths	Understand how to compare the lengths of two objects.	1	
93	Lesson 19.3 Compare and Describe Heights	Understand how to compare the heights of two objects.	1	Module 19 – 3 Days
94	Lesson 20.1 Describe Attributes of Weight	Understand how to describe attributes of weight.	1	
95	Lesson 20.2 Compare and Describe Weights	Understand how to compare the weights of two objects and describe the difference.	1	
96	Lesson 20.3 Describe More Than One Attribute of an Object	Understand how to describe attributes of weight, length, and height.	1	Module 20 – 3 Days

Supports of Diversity, Equity and Inclusion

Please provide any information relative to supporting culturally responsive instruction, multi-language learners, and students with disabilities

Into Math is a comprehensive instructional program that is specifically designed to support the diverse needs of all students, including those who are culturally and linguistically diverse, as well as those who need more supports. Into Math is built on a foundation of research-based instructional strategies and provides a wealth of resources for teachers to support the learning of all students.

One of the key features of Into Math is the inclusion of learning mindset prompts, which encourage students to develop a growth mindset and believe in their ability to succeed in mathematics. These prompts are integrated throughout the program and provide students with the tools they need to persevere through challenges and become confident and successful learners.

In addition to the learning mindset prompts, Into Math also includes guiding questions and supports for teachers to identify students who may require additional assistance or support. This allows teachers to provide targeted in time support and interventions to those students who need it most. Detailed information is provided to teachers about students' prior learning, current development, and future connections to be made, which enables teachers to differentiate instruction effectively.

A strong emphasis is placed on language development and provides teachers with a variety of resources, such as Three Reads, which support sense making, and suggestions for connecting language to various concepts, as well as key academic vocabulary for each module. These resources are designed to help teachers support the language development of multilingual learners and ensure that they have the language skills they need to access the mathematics curriculum.

Additionally, Into Math is designed to be culturally responsive and inclusive to all students. It provides teachers with resources and strategies to address cultural and linguistic diversity, and strategies for building positive relationships with students. This approach to instruction acknowledges and values the cultures, languages, and backgrounds of all students and helps to create an inclusive and equitable learning environment.

Into Math offers tiered interventions, additional practice, and math center options to support students with various learning needs. These interventions are designed to provide students with additional support and practice in areas where they may be struggling, and the math center options provide students with hands-on, interactive activities that help to make math more engaging and accessible.

Into Math is a highly effective instructional program that is well-equipped to support the diverse needs of all students. The program's comprehensive approach, which includes a focus on learning mindset, language development, and interventions for students that need additional learning supports, ensures that all students have the tools they need to succeed in math. Into Math is designed to be flexible, allowing teachers to differentiate instruction to meet the unique needs of their students, and provide targeted support to students who may be struggling.