

Michael C Riley ECC & Elementary School Units of Study 2019-2020

Kindergarten Classroom Themes 2019-2020

	Time Frame	Classroom Theme	Information regarding adjustments, connections, etc.	STEM Integration
Q1	Weeks 1 & 2	First 8 Days		
	Week 3	Alphabet/Chicka-Chicka-Boom-Boom		Introduction to Engineering-Engineer for the Day
	Week 4	Colors/Brown Bear		Introduction to Engineering-Engineer for the Day
	Weeks 5 & 6	Farm (habitats/animals)		Mechanimals STEM Challenge
	Week 7	Apples		Mechanimals STEM Challenge
	Weeks 8 & 9	Fall		10 Apples Up on Top
	Q2	Week 1	Pumpkins	
Week 2		Make Believe		Monsters Under Bridges
Week 3		Nocturnal Animals		Monsters Under Bridges
Week 4		American Symbols		
Week 5		Families		Turkey Trouble
Weeks 6 & 7		Thanksgiving		Turkey Trouble
Week 8		Gingerbread Men		
Week 9		Reindeer		Elf on the Shelf

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	Week 10	Holidays Around the World		Elf on the Shelf
Q3	Weeks 1 & 2	Snow/Winter		Snow Day-Snow Tube Ramp Design Challenge
	Week 3	MLK/Rosa Parks/Black History		Snow Day-Snow Tube Ramp Design Challenge
	Week 4	100th Day/Groundhog Day		
	Week 5	Leadership Week		
	Week 6	President's Day/Valentine's Day		In Arctic Waters
	Weeks 7 & 8	Polar Animals		In Arctic Waters
	Week 9	Dr. Suess Week		The Shape of Me and Other Stuff
	Week 10	5 Senses/Matter		The Shape of Me and Other Stuff
Q4	Weeks 1 & 2	Community Helpers		Ozobot Communities
	Weeks 3 & 4	Maps & International Festival		Ozobot Communities
	Week 5	Spring/Plants		Mad Hatter Challenge
	Weeks 6 & 7	Insects/Mother's Day		Mad Hatter Challenge
	Week 8	Ponds/Life Cycles		Freddie Fish
	Week 9	Oceans		Freddie Fish
	Weeks 10 & 11	Summer		

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First Grade Integrated Units 2019-2020

<i>Science</i>		<i>Social Studies</i>				
Dates	Unit	About	Writing	Math	Information regarding adjustments, connections, etc.	STEM Integration
08/19-08/30	First 8 Days	Leader in Me Program				
09/03-09/13	American Pride/The Roles of Citizens	Rules, Laws, Rights/Responsibilities	Launching Writer's Workshop	Unit 1- Number Sense		Introduction to Engineering- Iggy Peck Architect Bridge Builder
09/16-10/04	Life Cycle of Fall Plants	Apples, Pumpkins, Living/Non-living	Small Moments	Unit 1- Number Sense		Apple Container Challenge
10/07-10/18	American Democracy (Government and Presidents)	Role of government branches, voting, Lincoln/Washington	Small Moments	Unit 2- Foundation for Addition		Synergize-Roller Coaster Challenge
10/21-10/25	Light/Shadows	How they form and change	Non-Fiction	Unit 2- Foundation for Addition		Made for the Shade Shelter Challenge
10/28-11/08	Space	Movement of sun, moon, Earth, phases of the moon	Non-Fiction	Unit 3- Visual and Number Patterns		Made for the Shade Shelter Challenge Punkin Chunkin Challenge
11/12-11/15	Families Around the World	Unit of study on 5 countries homes, customs, cultures, traditions	Non-Fiction	Unit 3- Visual and Number Patterns		Communities Around the World- House Project

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11/18-11/26	Thanksgiving/Comparing and Contrasting Colonial US to Present	Wampanoags, Compare/Contrast Then/Now	Non-Fiction	Unit 3- Visual and Number Patterns	Expanded to study for a few more days	Communities Around the World-House Project
11/27-11/29	Thanksgiving Break					
12/02-12/13	Fairy Tales/Comparing Gingerbread Stories	Elements of FTs and Stories, Compare versions, FT Creation	Songs and Poetry	Unit 4- Measurements and Basic Facts	Shortened by 1 week; connects to Gingerbread Houses 12/14	Santa Parachute Challenge
12/16-12/20	Cultures in Winter	Daily Country Study of Winter Customs w/ World Tour on dates	Cultural Writings	Winter Math Review Games		
12/23-01/03	Winter Break					
01/07-1/17	Economic Resources	Needs and Wants, Goods and Services, Saving Money	Opinion	Unit 5- Understanding Place Value	Moved this to tie into spending holiday money	
01/20-1/24	Leadership Day Prep		Opinion	Unit 5- Understanding Place Value	Edited unit to fit Leadership Symposium	Jan Brett-The Mitten
01/27-02/07	Arctic Animals and Jan Brett	Arctic Animal Studies, Jan Brett Author Study	Opinion	Unit 6- Developing Fact Power	Leadership Day; Expanded this unit to allow more time for study	Jan Brett- The Mitten
02/10-2/14	MLK/ Civil Rights	MLK, Civil Rights, How Kids Change Their World	Opinion	Unit 6- Developing Fact Power	Moved this unit to connect to Black History Month	Jan Brett- The Mitten
02/18-02/28	Spring Plants (Growing Review/Planting)	Review plants and make seed observations/ plant to study	Scientific Journals	Unit 7- Shapes and Their Attributes		Dr. Seuss "Cat in the Hat" Challenge

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03/02-03/06	Dr. Seuss	May be moved by Harte. If so, 2 weeks of plants first.	Realistic Fiction	Unit 7- Shapes and Their Attributes		Dr. Seuss "Cat in the Hat" Challenge
03/09-03/12	Spring Plants (Environments)	Growth Observation, Plant Adaptations, Categories of Plants	Realistic Fiction	Unit 7- Shapes and Their Attributes		Designing Hand Pollinators
03/16-03/27	Eric Carle/Bug Life Cycle	Author Study, one day fiction, one day non-fiction trade off.	Realistic Fiction	Unit 8- Dividing Geometric Shapes	Culminating project - book creation	Designing Hand Pollinators
03/30-04/10	International Festival/Memories	Mexico or China Study, as well as other cultures.	Country Writings	Unit 8- Dividing Geometric Shapes		Designing Hand Pollinators
04/13-04/17	Spring Break					
4/20-4/24	Reduce, Reuse, Recycle	How can you help the environment?	Realistic Fiction	Unit 9- Extending Place Value		Landforms Design Challenge
04/27-05/01	Landforms	Classify Land and Water Formations	Independent Study	Unit 9- Extending Place Value	Earth Day 4/22	Landforms Design Challenge
05/04-05/09	Me on the Map/Geography	City, State, Country, Continent Identification	Independent Study	Unit 9- Extending Place Value		Landforms Design Challenge
5/12--5/16	Kevin Henkes	Friendship	Author Study	Unit 10 Review	Adjusted timing of this unit to reflect on the year's friendships	Lily's Purple Plastic Purse
05/19-05/29	Countries Around the World, End of Year Activities		Independent Study	Unit 10- Review		Lily's Purple Plastic Purse

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Second Grade Integrated Units 2019-2020

Week #	Writing	Reading	Science/Social Studies	Math	STEM Integration
Q1-1	First 8 Days	First 8 Days	First 8 Days	First 8 Days	
Q1-2	First 8 Days	First 8 Days	First 8 Days	First 8 Days	
Q1-3	Bend 1: lessons 1,2	Bend 1: lessons 1,2	Local community citizens, rights, responsibilities urban/rural/suburban	Unit 1: Numbers and Routines	Lunar Lander Challenge
Q1-4	Bend 1: lessons 3, 4, 5	Bend 1: lessons 3, 4, 5	Sept. 11 Local community cont'd urban/rural/suburban	Unit 1	Lunar Lander Challenge
Q1-5	Bend 1: lessons 6, 7, 8	Bend 1: lessons 6, 7, 8	Local community wrap up	Unit 1	Lunar Lander Challenge
Q1-6	Bend 2: lessons 9, 10, 11	Bend 2: lessons 9, 10, 11	Weather (what is weather? temperature, wind, forms of precipitation)	Unit 1/ Unit 2: Addition & Subtraction	Wind Sail Designs
Q1-7	Bend 2: lessons 12, 13, 14	Bend 2: lessons 12, 13, 14	Weather (wind)	Unit 2	Wind Sail Designs
Q1-8	Bend 3: lessons 15, 16, 17	Bend 3: lessons 15, 16, 17	weather (severe weather/safety)	Unit 2	Wind Sail Designs
Q1-9	Revisions and Editing of Small Moment Writing		Weather (weather recap/test)	Unit 2	Wind Sail Designs

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Q2-1	Publish Writing and Celebrations	Reading Unit Culminating Activity and Celebrations	Wrap up weather unit/test	Unit 2/ Unit 3: Place Value, Money, & Time	
Q2-2	COGAT	COGAT	Push/Pulls	Unit 3/test	Rube Goldbergs
Q2-3	Bend 1: Lessons 1 and 2	Unit 2 Bend 1: Lessons 1 and 2	Pushes & pulls intro/ ITBS	Unit 4	Rube Goldbergs
Q2-4	Bend 1: Lessons 3, 4, 5	Bend 1: Lessons 3,4,5	Pushes & pulls	Unit 4	Rube Goldbergs
Q2-5	Bend 1: Lesson 6 Bend 2: Lesson 7	Bend 1: Lesson 6 Bend 2: Lesson 7	local government/Historical events (thanksgiving)	Unit 4/test	
Q2-6	STEM/Thanksgiving	STEM/Thanksgiving	STEM/Thanksgiving	Unit 5	
Q2-7	Bend 2: Lessons 8, 9	Bend 2: Lesson 8, 9	Local government	Unit 5	Candy Cane Package Delivery
Q2-8	Bend 2: Lessons 10, 11	Bend 2: Lesson 10, 11	Government	Unit 5	Candy Cane Package Delivery
Q2-9	Bend 3: Lessons 12, 13 ,14	Bend 3: Lessons 12, 13 ,14	Government/Cultural holidays	Unit 5	
Q3-1 Jan 5	Bend 3: Lessons 18, 19, 20	Bend 3: Lessons 18, 19, 20	Magnets	M2	Squeaky Clean Magnets
Q3-2 Jan 12	Unit 3: Opinion Bend 1: Lessons 1, 2	Unit 3: Opinion Bend 1: Lessons 1, 2	Magnets	M2	Squeaky Clean Magnets
Q3-3 Jan 19	Bend 1: Lessons 3, 4	Bend 1: Lessons 3, 4	Magnets Wrap Up/ Assessment	M2	Squeaky Clean Magnets

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Q3-4 Jan 26	Bend 1: Lessons 5, 6	Bend 1: Lessons 5, 6	World Geography (locate where they live on a map/globe, local resources/features)	Unit 6	
Q3-5 Feb 2	Bend 2: Lessons 7, 8, 9	Bend 2: Lessons 7, 8, 9	World Geography	Unit 6	ME Island/My Town Project
Q3-6 Feb 9	Bend 2: Lessons 10, 11	Bend 2: Lessons 10, 11	World Geography	Unit 6	ME Island/My Town Project
Q3-7 Feb 16	Bend 3: Lessons 12, 13	Bend 3: Lessons 12, 13	World Geography	Unit 6	ME Island/My Town Project
Q3-8 Feb 23	Bend 3: Lessons 14, 15	Bend 3: Lessons 14, 15	Properties of Solids and Liquids (Matter)	Unit 7	Oobleck Containers
Q3-9 Mar 1	Bend 3: Lessons 16, 17	Bend 3: Lessons 16, 17	Properties of Solids and Liquids (Matter)	Unit 7	Oobleck Containers
Q3 Mar 8	Bend 3: Lessons 18, 19	Bend 3: Lessons 18, 19	Animals	Unit 7	Oobleck Containers
Q3 Mar 15	Bend 1: Lessons 3, 4	Bend 1: Lessons 3, 4	Animals (classification, structures/survival, & habitats --2.L.5A.1, 2.L.5A.2, 2.L.5B.1, 2.L.5B.2)	Unit 8	Bird Beak Adaptations
Q4-1 Mar 22	Bend 1: Lesson 5 Bend 2: Lesson 6	Bend 1: Lesson 5 Bend 2: Lesson 6	Animals (classification, structures/survival, & habitats --2.L.5A.1, 2.L.5A.2, 2.L.5B.1, 2.L.5B.2)	Unit 8	Bird Beak Adaptations
Q4-2 Mar 29	Bend 1: Lesson 5 Bend 2: Lesson 6	Bend 1: Lesson 5 Bend 2: Lesson 6	Animals (animal research projects-- 2.L.5A.1, 2.L.5A.2, 2.L.5B.1, 2.L.5B.2)	Unit 9	Bird Beak Adaptations
Q4-3 Apr 5	Bend 2: Lessons 7, 8	Bend 2: Lessons 7, 8	International Festival Study (Cultural Contributions) South Korea/Egypt	Unit 9	Bird Beak Adaptations
Q4-4 Apr 19	Bend 2: Lessons 9, 10	Bend 2: Lessons 9, 10	Animals (Life Cycles/Butterfly Unit – 2.L.5A.3)	Unit 10	

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Q4-5 Apr 26	Bend 3: Lessons 11, 12	Bend 3: Lessons 11, 12	Animals & Zoo Field trip Animal Research Presentations	Unit 10	
Q4-6 May 3	Bend 3: Lessons 13, 14	Bend 3: Lessons 13, 14	Economics	Unit 10	International Fest-Building a Shaduf
Q4 – 7 May 10	Bend 3: Lessons 15, 16	Bend 3: Lessons 15, 16	Economics	Unit 11	International Fest-Building a Shaduf
Q4- 8 May 17	Bend 3: Lesson 17-Celebration		Economics	Unit 11 Test/ M2 Measurement	International Fest-Building a Shaduf
Q4- 9 May 24	Last week - wrap up	Last week - wrap up	Wrap up school year with a variety of STEM activities	Measurement rotations and activities	
Q4- 10 May 31	Last Week Of school		Last Week of School		

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Third Grade Integrated Units 2019-2020

	Time Frame	Math	Writing	Science/ Social Studies	Reading	Notes about adjustments based on reflection, connections, etc.	STEM Alignment
Q1	Weeks 1-2	The Leader in Me - The First Eight Days					
	Weeks 3-6	Unit 1 - Tools, Time, and Multiplication	Set up a writing workshop	South Carolina Geography & Regions	Building a Reading Life		Introduction to the EDP - Floating Challenge
	Weeks 7-9	Unit 2 - Number Stories and Arrays	Crafting True Stories	Earth's Materials	Patricia Polacco Character Study		Introduction to the EDP - Floating Challenge
Q2	Weeks 10-13	Unit 3 - Operations	Art of Information	Exploration & Settlement	Reading to Learn		Erosion Stream Table Explorations
	Week 14	Unit 4 - Measurement and Geometry	Art of Information	Exploration and Settlement	Reading to Learn		SC Regions Maps
	Weeks 15-17	Unit 4 - Measurement and Geometry	Art of Information	Organisms	Reading to Learn		SC Regions Maps

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	Week 18	Unit 5 - Multiplication Strategies	Art of Information	Organisms	Reading to Learn		Geometric Containers
Q3	Weeks 19-21	Unit 5 - Multiplication Strategies	Changing the World	American Revolution	Character Studies		Geometric Containers; American Revolution forts
	Week 22	Unit 6 - Operations Part 2	Changing the World	American Revolution	Poetry		American Revolution forts
	Weeks 23-24	Unit 6 - Operations Part 2	Changing the World	Government	Poetry		American Revolution forts
	Week 25	Unit 6 - Operations Part 2	Changing the World	Matter	Traditional Literature		Insulating Soup Containers
	Weeks 26-28	Unit 7 - Fractions	Changing the World	Matter	Traditional Literature		Insulating Soup Containers
Q4	Week 29	Unit 7 - Fractions	Fairytale Writing	Civil War	Using Text Evidence		Insulating Soup Containers
	Weeks	Unit 8 -	Fairytale	Civil War	Using Text		

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	30-32	Multiplication and Division	Writing		Evidence		
	Week 33	Unit 8 - Multiplication and Division	Fairytale Writing	Civil War	Test Prep		Energy Ball Exploration - circuits
	Week 34	Unit 9 - Multidigit Operations	Fairytale Writing	Electricity and Magnetism	Test Prep		Energy Ball Exploration - circuits
	Weeks 35-36	Unit 9 - Multidigit Operations	Research Writing	Electricity and Magnetism	Test Prep		
	Week 37	Unit 9 - Multidigit Operations	International Festival	Electricity and Magnetism	Test Prep		

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Fourth Grade Units of Study 2019-2020

	Time Frame	Reading	Writing	Math	Science	Social Studies	Notes about adjustments based on reflection, connections, etc.	STEM Alignment
Q1	Aug.	Leader in Me (first 8 days) -routines/practice for workshop	Personal Narratives	Geometric Figures (Unit 1)	Inquiry/Weather	Native Americans		Introduction to/Review of Engineering Design Process - Floating Challenge
	Sept	Launching Readers Workshop Novel Study (Fiction) + story elements	Personal Narrative Writing a Coherent Paragraph	Geometric Figures (Unit 1) Using Numbers and Organizing Data (Unit 2)	Inquiry/Weather	Native Americans Explorers		Introduction to/Review of Engineering Design Process - Floating Challenge Fronts Activity
	Oct.	Launching Readers Workshop Novel Study (Fiction) + story elements Fairy Tales -summary, elements, compare/contrast, point of view,	Personal Narrative Writing a Coherent Paragraph	Using Numbers and Organizing Data (Unit 2) Multiplication and Division (Unit 3)	Astronomy	Settlement of the New World	Moved Astronomy after Explorers so that students would be familiar with some astronomical tools and navigational instruments	Introduction to/Review of Engineering Design Process - Floating Challenge Fronts Activity Tides Field Studies

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		moral/lesson						
Q2	Nov.	Fairy Tales -summary, elements, compare/contrast, point of view, moral/lesson	Writing a Coherent Paragraph	Decimals (Unit 4) Computation (Unit 5)	Astronomy	Colonial America		Parachutes Robotic Arms
	Dec.	Nonfiction -text features -text structures	T.S. Paragraphs	Computation (Unit 5) Division and Measuring Angles (Unit 6)	Astronomy/Light and Sound	Colonial America		Parachutes Prepare for Engineering Fair Projects
Q3	Jan.	Nonfiction - Text features & Structur es -research skills -fact/opinion -paraphrasing -nonfiction summary -primary/second ary sources -bias/opinion	Boxes/Bullets Persuasive Essay	Division and Measuring Angles (Unit 6)	Light and Sound	American Revolution		Parachutes, Engineering Fair Projects
	Feb.	Nonfiction - Researc h skills, fact/opini	Informative Writing Persuasive Essay	Fractions (Unit 7) Perimeter and Area (Unit 8)	Light and Sound	American Revolution	Goal of making cross-curricular connections between tall	Solar Cookers to explore light and energy; String telephones

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		on, paraphrasing, nonfiction summary, primary/secondary sources, bias/opinion Tall Tales/Myths -Figurative Language, hyperbole, simile/metaphor		Fractions and Decimals (Unit 9)			tales and Westward expansion. These are the stories of settlers who were moving west.	
Q4	March	Poetry Structure -deeper thinking/meaning, rhythm/rhyme, figurative language	Expository Writing TDAs	Fractions and Decimals (Unit 9) Reflection and Symmetry (Unit 10) Measurement and Line Plots (Unit 11)	Organisms & Their Environment	Government/Westward Expansion	Last year organisms were studied earlier with the goal of connecting to the SC Aquarium field trip. This year it will be the fourth unit to coincide with local environmental field trip.	Creating a seed for dispersal
	April	Test Prep &	Expository	Measurement	Organisms &	Government/We		Burning of Bluffton

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		Review Text Marking/locating information -stems/roots -prefixes	Writing TDAs	and Line Plots (Unit 11) Review and Readiness (Unit 12)	Their Environment	stward Expansion		Tours
	May	Test Prep & Review Text Marking/locating information -stems/roots -prefixes	TDAs	Review and Readiness (Unit 12)	Organisms & Their Environment SC Ready Pass Review	Civil War		Classifying seashells

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Fifth Grade Units of Study 2019-2020

	Time Frame	Reading	Writing	Science	Social Studies	Notes about adjustments based on reflection, connections, etc.	STEM Alignment
Q1	Aug 19 - Aug 30	Leader in Me First 10 Days	Leader in Me First 10 Days	Leader in Me First 10 Days	Reconstruction & Westward Expansion (Unit 2, Unit 3 Lessons 1-2)		Review of Engineering Design Process - Flinkers
	Sept 3 – Sept 13	Launching Workshop	Launching Workshop				
	Sept 23 – Oct 18	Interpretation Book Clubs (Book 1)	Narrative Craft (Book 1)	Ecosystems		Moved ecosystems unit earlier to align with Camp Driftwood curriculum and October visit.	Introduction to Engineering Design Process - Flinkers Camp Driftwood Port Royal Sound and Oyster Factory Field Studies
Q2	Oct 21 – Nov 15	Tackling Text Complexity (Book 2)	Lens of History		US Becoming a World Power (Unit 3 Lessons 3-6, Unit 4 Lessons 1-2)	Changed writing focus from Westward Expansion to immigration to correspond with Social Studies curriculum	Westward Expansion - Covered Wagons; Changed from Ballot Box Challenge and Immigration Steamships to better fit curriculum
	Nov 18 – Dec 20	Reading Like a Fan (Author Study) (<i>If...Then..</i>)	Feature Articles (<i>If...Then...</i>)	Matter & Mixtures			Engineering Fair - Performance-based assessment of EDP
Q3	Jan 7 – Feb 7	Argument & Advocacy (Book 3)	Research-based Argument (Book 3)		Economic Boom & Bust (Unit 4 Lessons 3-4, Unit 5 Lessons 1-4)		Assembly Lines, Great Migration Vehicles

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	Feb 10 – Mar 12	Fantasy Book Clubs (Book 4)	Literary Essay	Force and Motion			Sphero Programming, Roller Coaster PBL
Q4	March 16 – Apr 9	Poetry/Historical Fiction Book Clubs <i>(If...Then...)</i>	TDA Practice		Cold War & Fall of the Soviet Union (Unit 5 Lessons 5-6, Unit 6)		Watersheds Exploration
	Apr 20 – May 15	Test Prep	Test Prep	Landforms		Landforms unit moved later in the year to correspond with Earth Day and May River Cleanup	Watersheds Exploration