UNITS	SCHOOL ENVIRONMENT	ALL ABOUT ME AND MY BODY	WEATHER AROUND US	STRUCTURE AND FUNCTION
TIMELINE	3 WEEKS	6 WEEKS	6 WEEKS	6 WEEKS
		Structure and Function: Human Body They examine major structures, or organs, within the body and investigate how the structure of each organ is related to its function. Once students establish an understanding of basic structure and function in the body, they take a deeper look at the functions of bone.	Weather and how it affects us Students use and share observations of local weather conditions to describe patterns over time.	Exploring Design They explore structure and function by identifying products around them designed by engineers, asking questions engineers might ask as they design products, and determining the structure and function of items. Working in small groups, students design, build, and test a structure from available materials to withstand a force. Students apply newly acquired knowledge and skills as they utilize the design process to design, sketch, build, test, and reflect on a new tool design.
ESSENTIAL UNDERSTANDINGS	Understand the purpose for rules. There are different rules and expectations in every setting. Learning Rules is important to function well in a setting.	Students will understand the everyone is unique and that's ok. Students will understand the relationship between structure and function in the human body.	matter where you are. People can design and create	Questions must be asked to clearly understand a problem. Stable structures have common attributess. Students discover the design process and how engineers influence their lives.
	SOCIAL STUDIES/SCIENCE	SOCIAL STUDIES	SCIENCE	SCIENCE
	4.1.1 understands and creates timelines to show personal events in a sequential manner.	1.1.1 Understand the key ideas of justice and fairness in the context of the classroom.		K-2.ETS1-1 Ask questions, make observations, and gather information about a situation people want to change.
	5.1.1 Undersands ones point of view.	1.1.2 Applies the ideals of justice and fairness when making choices or decisions in the classroom or on the playground.	determine the effect of	K-2.ETS1-2 Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it's function as needed to solve a problem.
SOCIAL STUDIES & SCIENCE STANDARDS	5.3.1 States own view points and listens to view points of others	1.2.1 Remembers who the people are that make and impliment the rules in a school.	K-PS3-2 Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.	

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	5.4.1 Retells and explains personal history.	5.1.2 Evaluates the fairness of ones point of view	K-ESS3-2 Ask questions to obtain information about the purpose of weather forcasting to prepare for, and respond to, severe weather.	
		5.2.1 Understands how to ask questions about the school community and classroom.		
READING STRATEGIES	Schema	RL.K.7 Making Connections	Predicting	
(Matched to CCSS)	Visualization	RL.K.1 & RL.K.4 Asking Questions	Confirming	
READING SKILLS (Matched to CCSS)	Sequencing	RL.K.2 Retell		Reality vs. Fantasy
,	Green / Orange Toolkit	Orange / Yellow Toolkit	red	Classify and Categorize

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	RL.K.2 Retell stories with key details P/S	RL.K.1 Q/A about key details P/S	RL.K.4 Q/A anout unknown words	RL.K.7 Describe the relationship between illustrations and respective stories. P/S
LITERATURE CCSS	RL.K.5 Recognize common text types. (story books	RL.K.3 ID Character, setting, major events P/S		
		RL.K.6 Author/Illustrators and roles		
INFORMATIONCCSS	RI.K.2 Identify main topic and retell key details. P/S	RI.K.1 Q/A about key details in a text P/S	RI.K.3 Discribe the connection between two individuals, events, places, ideas, or pieces of information, P/S	RI.K.7 Describe the relationship between illustrations and respective stories. P/S
INFORMATIONCCSS	RI.K.5 Identify front and back covers and the title page.	RI.K.6 Author/Illustrators and roles	RI.K.4 Q/A about unknown words	RI.K.8 Identify a reason an author gives to support points in a text. P/S
	PE K 1 Organization of arist	REK 1 Organization of print	DE K 1 Organization of print	PEK 1 Organization of print
	KF.K.1 Organization of print	RF.K.1 Organization of print	RF.K.1 Organization of print	RF.K.1 Organization of print
	RF.K.2 Phonemic Awareness	RF.K.2 Phonemic Awareness	RF.K.2 Phonemic Awareness	RF.K.2 Phonemic Awareness
FOUNDATION SKILLS CCSS		RF.K.3 Phonics and word recognition	RF.K.3 Phonics and word recognition	RF.K.3 Phonics and word recognition

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			RF.K.4 Read emergent reader text with purpose and	RF.K.4 Read emergent reader text with purpose and understanding
SPEAKING AND LISTENING CCSS SPEAKING AND LISTENING	SL.K.4 Describe familiar people, places,	SL.K.1.A Follow agreed upon rules for discussions e.g. listening & taking turns	SL.K.3 Q/A in order to seek help, get information or clarify. (Show Knowledge)	SL.K.5 Add drawings or other visual displays to descriptions to provide added details.
	or events using details. P/S	SL.K.2 Q/A to confirm, clarify, or show knowledge about text or media.	SL.K.2 Q/A to confirm, clarify, or show knowledge about text	
	SL.K.6 Speak audibly and express thoughts, feeling,	(Related standards RL.K 1 &4; RI.K.1&4; SL.K.3)	(Related standards RL.K 1 &4; RI.K.1&4; SL.K.3)	
DM	Narrative Writing	Narrative Writing	Opinion Writing	Opinion Wrting
WRITING CCSS	W.K.6 Explore digital tools to produce and publish writing including collaboration with peers. G/S	W.K.1 Compose opinion piece that tells a topic or a book and their opinion. D.D.W	explanitory text by naming the topic and providing information. D.D.W	W.K.3 Narrate a single event or several linked events. Tell in order and provide a reaction to what happened. D.D.W
		W.K.8 Recall information from experiences or gather from provided sources to answer questions. G/S		

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	L.K.1A Write upper and	L.K.1.C Form regular plural nouns	L.K.1.E Use frequent	L.K.5.B Demonstrate understanding of verbs and adjectives be
	lowercase letters		prepositions.	relating to antonyms.
	L.K.1B Use frequent nouns and verbs	L.K.1.D Understand and use question words (who, what, when, etc)	L.K.1.F Produce and expand complete sentences.	L.K.5.C Identify connections between words and use.
LANGUAGE CCSS	L.K.6 Use language acquired through reading, convention, and responding to text.	general action. (Strut, walk, march)	L.K.4.A Indentify new word meaning and apply. Eg. "duck" is an animal, discovered it also means to lower your head and shoulders.	L.K.5.D Spell simple words phonetically.
			L.K.5.A Sort objects to gain a sense of concepts the catergories represent.	L.K.2.D Spell words phonetically drawing on knowledge of sound- letter relationships.
ASSESSMENTS	FORMATIVE: Kinder Assessm	FORMATIVE: Kinder AssessmentONGOING:	Launch Log, WaKids,SUMMATIV	E: Check for understanding

UNITS	PUSHES AND PULLS	ECOSYSTEMS	
TIMELINE	6 WEEKS	6 WEEKS	
PLTW/ NGSS / SOC.STUDIES	a wagon. Students are challenged to refine a design and	Animals and Algorithms Students explore the nature of computers and the ways in which humans control and use technology. Starting with a computer-free activity, students learn about the sequential nature of computer programs. Students apply this knowledge to the domain of science when they design a simple algorithm about an animal in its habitat. Using an age-appropriate programming environment, students use their newly developed programming skills to turn their algorithm into a short animation. Through this work, students come to understand that computing is a collaborative activity that can be used to create digital artifacts pertaining to any area of interest	
ESSENITIAL	better than others. Testing is necessary to know the pros	Plants and animals depend upon each other for life. Plants and animals require unique environments & can adapt when necessary within those environments. Life cycles perpetuate the life in an ecosystem.	
	SCIENCE	SCIENCE/ COMPUTER SCIENCE	
	. ,	K-LS1-1 Use observations to describe patterns of what plants and animals	
	effects of different strengths or different directions of pushes.	(including humans) need to survive.	
	K-PS2-2 Analyze data to determine if a design solution works		

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ESSENTIAL UNDERSTANDINGS	There are multiple ways to solve problems. Some work better than others. Testing is necessary to know the pros and cons of materials, directions of strengths Students investigate different pushes and pulls on the motion of an object and develop knowledge and skills related to forces of differing strengths and directions.	Plants and animals depend upon each other for life. Plants and animals require unique environments & can adapt when necessary within those environments. Life cycles perpetuate the life in an ecosystem.
		K-ESS3-3 Communicate solutions that will reduce the impact of humans on the land, water, air, and or other living things in the local environment.
		CSTA.1 Introduce the fundamental concepts of computer science to all students, beginning at the elementary school level.
READING STRATEGIES (Matched to CCSS)		
EADING SKILLS (Matched to CCSS)	RL.K.7 & RL.K.9 Draw Conclusions	Cause and Effect

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LITERATURE CCSS	RL.K.9 Compare and contrast adventures and experiences of characters in familiar stories P/S	
INFORMATIONCCSS	RI.K.7 Describe the relationship between illustrations and respective stories. P/S	RI.K.9 Identify basic similarities and differences between two texts on the same topic. P/S RI.K.7 Describe the relationship between illustrations and respective stories. P/S
	RF.K.1 Organization of print	RF.K.1 Organization of print
	RF.K.2 Phonemic Awareness	RF.K.2 Phonemic Awareness
FOUNDATION SKILLS CCSS	RF.K.3 Phonics and word recognition	RF.K.3 Phonics and word recognition

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	RF.K.4 Read emergent reader text with purpose and understanding	RF.K.4 Read emergent reader text with purpose and understanding	
SPEAKING AND LISTENING CCSS SPEAKING AND LISTENING	SL.K.1.B Continue conversations through multiple exchanges.	SL.K.5 Add drawings or other visual displays to descriptions to provide added details.	
DM	Informational Writing	Informational Writing	
WRITING CCSS	W.K.5 Respond to questions and suggestions from peers and add details to strengthen writing as needed. G/S		
	W.K.7 Participate in shared research projects. Eg. Author study and opinions		

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ESSENTIAL UNDERSTANDINGS	better than others. Testing is necessary to know the pros	Plants and animals depend upon each other for life. Plants and animals require unique environments & can adapt when necessary within those environments. Life cycles perpetuate the life in an ecosystem.
	L.K.2.A Capitalize the first word in a sentence and the pro-	
	noun I.	
	L.K.2.B Recognize and name end punctuation.	
LANGUAGE CCSS	L.K.2.C Write letter(s) for consonant and short vowel sounds	
	L.K.4.B Use inflections and affixes to figure meaning. Un_, pre _, _ed, _less, etc	L.K.2.D Spell words phonetically drawing on knowledge of sound-letter relationships.
ASSESSMENTS		