

**Curriculum Alignment with CT Standards for Scientific Inquiry, Literacy and Numeracy**

**GRADE 4 EARTH**

<b>Expected Performances</b>		<b>Required Activities</b>				
		Testing Samples Activities 3 - 6	Formation of Igneous	Formation of Sedimentary	Formation of Metamorphic	Illustrate Rock Cycle
BINQ. 1	Make observations and ask questions about objects, organisms and the environment	<b>X</b>				
BINQ. 2	Seek relevant information in books, magazines and electronic media.	<b>X</b>				<b>X</b>
BINQ. 3	Design and conduct simple investigations.	<b>X</b>				
BINQ. 4	Employ simple equipment and measuring tools to gather data and extend the senses.	<b>X</b>				
BINQ. 5	Use data to construct reasonable explanations.	<b>X</b>				
BINQ. 6	Analyze critique and communicate investigations using words, graphs and drawings.	<b>X</b>				<b>X</b>
BINQ. 7	Read and write a variety of science-related fiction and nonfiction texts.					
BINQ. 8	Search the Web and locate relevant science information.	<b>X</b>				<b>X</b>
BINQ. 9	Use measurement tools and standard units (e.g., centimeters, meters, grams, kilograms) to describe objects and materials.	<b>X</b>				
BINQ. 10	Use mathematics to analyze, interpret and present data.	<b>X</b>				

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**GRADE 4 LIFE**

<b>Expected Performances</b>		<b>Required Activities</b>									
		Activity 1 Soil Activity Plants/Soil	Activity 3 Producers Activity 4 Crickets	Activity 5 Anoles Activity 6 Earthworms	Activity 7 Animal Behaviors Activity 8 Crickets' Food	Activity 9 Decomposers	Activity 12 Web of Life				
BINQ. 1	Make observations and ask questions about objects, organisms and the environment	X	X	X	X	X	X	X	X	X	X
BINQ. 2	Seek relevant information in books, magazines and electronic media.		X	X	X						X
BINQ. 3	Design and conduct simple investigations.		X	X			X				
BINQ. 4	Employ simple equipment and measuring tools to gather data and extend the senses.	X	X	X		X					
BINQ. 5	Use data to construct reasonable explanations.		X	X							
BINQ. 6	Analyze critique and communicate investigations using words, graphs and drawings.		X	X	X	X	X	X	X	X	X
BINQ. 7	Read and write a variety of science-related fiction and nonfiction texts.										X
BINQ. 8	Search the Web and locate relevant science information.				X						X
BINQ. 9	Use measurement tools and standard units (e.g., centimeters, meters, grams, kilograms) to describe objects and materials.		X	X		X					
BINQ. 10	Use mathematics to analyze, interpret and present data.		X	X							

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### GRADE 4 PHYSICAL

Expected Performances		Required Activities	Physical Properties / Test Materials	Exp. 1 States of Matter	Exp. 2 Melting	Exp. 7 Evaporation	Exp. 10 Condensation	Exp. 12 Freezing
BINQ. 1	Make observations and ask questions about objects, organisms and the environment		X	X	X	X	X	X
BINQ. 2	Seek relevant information in books, magazines and electronic media.							
BINQ. 3	Design and conduct simple investigations.		X	X	X	X	X	X
BINQ. 4	Employ simple equipment and measuring tools to gather data and extend the senses.		X	X	X	X		X
BINQ. 5	Use data to construct reasonable explanations.			X	X			X
BINQ. 6	Analyze critique and communicate investigations using words, graphs and drawings.		X		X	X	X	X
BINQ. 7	Read and write a variety of science-related fiction and nonfiction texts.							
BINQ. 8	Search the Web and locate relevant science information.							
BINQ. 9	Use measurement tools and standard units (e.g., centimeters, meters, grams, kilograms) to describe objects and materials.		X	X	X	X		X
BINQ. 10	Use mathematics to analyze, interpret and present data.		X	X	X			X

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**GRADE 4 SCIENCE AND TECHNOLOGY IN SOCIETY**

<b>Expected Performances</b>		<b>Act. 1 Brightest Bulb</b>	<b>Act. 2 Greatest # of Bulbs</b>	<b>SDI – Colored Bulbs</b>	<b>Act. 3 – Condensation</b>	<b>Act. 4 – Magnets</b>	<b>Act. 5 – Electromagnets</b>	<b>Act. 6 – SDI Electromagnets</b>
BINQ. 1	Make observations and ask questions about objects, organisms and the environment.	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
BINQ. 2	Seek relevant information in books, magazines and electronic media.							<b>X</b>
BINQ. 3	Design and conduct simple investigations.	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
BINQ. 4	Employ simple equipment and measuring tools to gather data and extend the senses.	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
BINQ. 5	Use data to construct reasonable explanations.	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
BINQ. 6	Analyze critique and communicate investigations using words, graphs and drawings.	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
BINQ. 7	Read and write a variety of science-related fiction and nonfiction texts.							
BINQ. 8	Search the Web and locate relevant science information.							<b>X</b>
BINQ. 9	Use measurement tools and standard units (e.g., centimeters, meters, grams, kilograms) to describe objects and materials.							
BINQ. 10	Use mathematics to analyze, interpret and present data.							