

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

GRADE 5 EARTH

Expected Performances	Required Activities	Shadows – Flat	Shadows – Spherical	Tracking Outdoor	Astronomy Lab	Model Day – Night	Measure	Suntracker
		BINQ. 1	Make observations and ask questions about objects, organisms and the environment.	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	X	X
BINQ. 5	Use data to construct reasonable explanations.	X	X	X			X	X
BINQ. 6	Analyze, critique and communicate investigations using words, graphs and drawings.	X	X	X		X	X	X
BINQ. 7	Read and write a variety of science-related fiction and non-fiction 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
BINQ. 10	Use mathematics to analyze, interpret and present data.			X				X

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GRADE 5 LIFE

Expected Performances	Required Activities	Shoe Box Activity	Nervous System	Out of Sight	What's that Noise?	Skin Sensitivity	What's that Smell?	Mapping the Tongue	Catch It!
		BINQ. 1	Make observations and ask questions about objects, organisms and the environment.			X	X	X	X
BINQ. 2	Seek relevant information in books, magazines and electronic media.		X	X	X	X	X	X	
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	X
BINQ. 5	Use data to construct reasonable explanations.			X	X	X	X	X	X
BINQ. 6	Analyze, critique and communicate investigations using words, graphs and drawings.		X	X	X	X	X	X	X
BINQ. 7	Read and write a variety of science-related fiction and non-fiction texts.								
BINQ. 8	Search the Web and locate relevant science information.		X	X	X	X	X	X	X
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		X

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GRADE 5 PHYSICAL

Expected Performances	Required Activities	Color Filters & Light	Mixing Light Beams	Primary Colors	Colored Lighting	Mirrors / Reflections	Tic Tac Reflect	Pinhole Viewer	Mirror Maze	Lenses and Refraction	Inventor's Workshop
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.										
BINQ. 3	Design and conduct simple investigations.	X	X	X	X	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	X	X	X	X	X
BINQ. 5	Use data to construct reasonable explanations.	X	X	X	X	X	X	X	X	X	X
BINQ. 6	Analyze, critique and communicate investigations using words, graphs and drawings.	X	X	X	X	X	X	X	X	X	X
BINQ. 7	Read and write a variety of science-related fiction and non-fiction texts.	X	X	X	X	X	X	X	X		
BINQ. 8	Search the Web and locate relevant science information.					X					
BINQ. 9	Use measurement tools and standard units (e.g. centimeters, meters, grams, kilograms) to describe objects and materials.					X	X				
BINQ. 10	Use mathematics to analyze, interpret and present data.				X	X	X				X

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GRADE 5 PHYSICAL

Expected Performances	Required Activities	Required Activities									
		Drop Challenge	Sound and Vibration	Vibration and Pitch	Length and Pitch	Tension and Pitch	Sound Through Air & Water	Sound Through Solids	Spectrum of Visible Light	Mixing Pigments	Separating Pigments
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.										
BINQ. 3	Design and conduct simple investigations.	X	X	X	X	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	X	X	X	X	X
BINQ. 5	Use data to construct reasonable explanations.	X	X	X	X	X	X	X	X	X	X
BINQ. 6	Analyze, critique and communicate investigations using words, graphs and drawings.	X	X	X	X	X	X	X	X	X	X
BINQ. 7	Read and write a variety of science-related fiction and non-fiction texts.	X	X	X	X	X	X	X			
BINQ. 8	Search the Web and locate relevant science information.								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						

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GRADE 5 SCIENCE AND TECHNOLOGY IN SOCIETY

Expected Performances		Required Activities				
		Pinhole Viewer	Private Eye Activity	Making a Periscope	Refracting Telescope	Internet Research
BINQ. 1	Make observations and ask questions about objects, organisms and the environment.	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		
BINQ. 4	Employ simple equipment and measuring tools to gather data and extend the senses.			X	X	
BINQ. 5	Use data to construct reasonable explanations.			X		
BINQ. 6	Analyze, critique and communicate investigations using words, graphs and drawings.	X	X	X	X	
BINQ. 7	Read and write a variety of science-related fiction and non-fiction texts.		X			
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
BINQ. 10	Use mathematics to analyze, interpret and present data.					