

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

GRADE 7 EARTH

Expected Performances	Required Activities	Required Activities				
		Model Illustration	Plate Tectonics	Fault Lab	Earth's Changing	Stream Tables
CINQ. 1	Identify questions that can be answered through scientific investigation.				X	
CINQ. 2	Read, interpret and examine the credibility of scientific claims in different sources of information.		X			
CINQ. 3	Design and conduct appropriate types of scientific investigations to answer different questions.				X	
CINQ. 4	Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.				X	
CINQ. 5	Use appropriate tools and techniques to make observations and gather data.				X	X
CINQ. 6	Use mathematical operations to analyze and interpret data.				X	
CINQ. 7	Identify and present relationships between variables in appropriate graphs.				X	
CINQ. 8	Draw conclusions and identify sources of error.				X	X
CINQ. 9	Provide explanations to investigated problems or questions.				X	X
CINQ. 10	Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.	X		X	X	X

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

GRADE 7 LIFE

Expected Performances	Required Activities	Microscope Lab	Cell City	Cell Model	Osmosis	Diffusion Lab	Mitochondria Lab	Digestive Model	Human Video	CSI Blood Gases	CSI Exercise	CSI Antacids	RAFT	Ex Air	Model Skeleton	Skin Lab
		CINQ. 1	Identify questions that can be answered through scientific investigation.				X	X				X	X	X		X
CINQ. 2	Read, interpret and examine the credibility of scientific claims in different sources of information.								X							
CINQ. 3	Design and conduct appropriate types of scientific investigations to answer different questions.				X	X	X			X	X	X		X		X
CINQ. 4	Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.				X	X				X	X	X		X		X
CINQ. 5	Use appropriate tools and techniques to make observations and gather data.	X			X	X	X			X	X	X		X		X
CINQ. 6	Use mathematical operations to analyze and interpret data.				X	X				X	X	X		X		X
CINQ. 7	Identify and present relationships between variables in appropriate graphs.				X	X				X	X	X		X		X
CINQ. 8	Draw conclusions and identify sources of error.				X	X				X	X	X		X		X
CINQ. 9	Provide explanations to investigated problems or questions.				X	X					X	X	X	X		X
CINQ. 10	Communicate about science in different formats, using relevant science vocabulary, supporting evidence & clear logic.		X	X	X	X		X		X	X	X	X	X	X	X

CSI = Conditional Scientific Investigation

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

GRADE 7 PHYSICAL

Expected Performances		Required Activities					
		Model Atom	Element Hunt	Chromatography	Density	Solubility	Magnetism
CINQ. 1	Identify questions that can be answered through scientific investigation.			X	X	X	X
CINQ. 2	Read, interpret and examine the credibility of scientific claims in different sources of information.						
CINQ. 3	Design and conduct appropriate types of scientific investigations to answer different questions.			X	X	X	X
CINQ. 4	Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.			X	X	X	X
CINQ. 5	Use appropriate tools and techniques to make observations and gather data.		X	X	X	X	X
CINQ. 6	Use mathematical operations to analyze and interpret data.			X	X	X	X
CINQ. 7	Identify and present relationships between variables in appropriate graphs.			X	X	X	X
CINQ. 8	Draw conclusions and identify sources of error.			X	X	X	X
CINQ. 9	Provide explanations to investigated problems or questions.			X	X	X	X
CINQ. 10	Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.	X		X	X	X	X

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

GRADE 7 STS

	Expected Performances	Required Activities	Bottled Biology	Who Dirtied the Water?	Diary of a Raindrop	Stream Table	Cause Effect	Project O
CINQ. 1	Identify questions that can be answered through scientific investigation.			X				X
CINQ. 2	Read, interpret and examine the credibility of scientific claims in different sources of information						X	
CINQ. 3	Design and conduct appropriate types of scientific investigations to answer different questions.			X				X
CINQ. 4	Identify independent and dependent variables, and those variables that are kept constant, when designing an experiment.			X				
CINQ. 5	Use appropriate tools and techniques to make observations and gather data.		X	X		X		X
CINQ. 6	Use mathematical operations to analyze and interpret data.			X				X
CINQ. 7	Identify and present relationships between variables in appropriate graphs.			X				
CINQ. 8	Draw conclusions and identify sources of error.			X				X
CINQ. 9	Provide explanations to investigated problems or questions.			X				X
CINQ. 10	Communicate about science in different formats, using relevant science vocabulary, supporting evidence and clear logic.		X	X	X			