

Chilton Public Schools Curriculum Document

Curricular Area: Science

Grade: 6th

Course Title: Chemistry/Matter

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Concepts	NT	I	D	R	M	R
X				B.8.5, C.8.1, C.8.2, C.8.3, C.8.6, C.8.8, C.8.9, C.8.10	# 19–Science Inquiry	Scientific Method: Abilities and Understanding			X	X	X	
X				D.8.1, D.8.2, D.8.10	# 20–Physical Science (structure of atoms)	Building blocks of matter			X	X	X	
X				D.8.2, D.8.3, D.8.4, D.8.7	# 20–Physical Science (properties and chemical reactions)	Physical and chemical properties and changes			X	X		
X				D.8.2	# 20–Physical Science (properties)	Three states of matter				X	X	
X				D.8.1, D.8.4	# 20–Physical Science (properties and chemical reactions)	Properties of acids and bases		X	X			
	A.8.2, A.8.3			D.8.1	# 20–Physical Science (properties) # 23–Science and Technology (Understanding Science/tech.)	Research Project on an Element			X	X		

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Curricular Area: Science

Grade: 6th

Course Title: Weather (Cont.)

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Concepts	NT	I	D	R	M	R
X				E.8.7	# 22–Earth and Space (The Universe)	The Life Cycle of a Star			X	X		
X				E.8.7, E.8.8	# 22–Earth and Space (The Universe) (Earth in the Solar System)	The Levels of Organization in the Universe			X	X		
X				D.8.8, E.8.7	# 22–Earth and Space (The Universe) # 20–Physical Science (Light, Heat, and Electricity)	Refraction and Reflection			X	X		
X				D.8.8, E.8.7	# 22–Earth and Space (The Universe) # 20–Physical Science (Light, Heat, and Electricity)	The Electromagnetic Spectrum		X	X			
X				E.8.7	# 22–Earth and Space (The Universe)	The Big Bang Theory		X	X	X		
X	A.8.4			A.8.4, A.8.5, B.8.1, B.8.2, B.8.5, E.8.7	# 22–Earth and Space (The Universe) # 25–History and Nature of Science (History of Science) # 23 Science and Technology (Understanding Science/Tech.)	Ancient Cultures and Astronomy: Constellations			X	X		
X				A.8.4, A.8.5, B.8.1, B.8.2, B.8.5, E.8.7	# 22–Earth and Space (The Universe) # 25–History and	Dynamics of Science		X	X	X		

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Course Title: Weather (Cont.)

					Nature of Science (Nature of Science)								
X				A.8.4, A.8.5, B.8.1, B.8.2, B.8.3, E.8.7	# 22–Earth and Space (The Universe)	Today's Model of the Universe			X	X			
	A.8.4 and A.8.5			E.8.7, E.8.8	# 22–Earth and Space (The Universe) # 23–Science and Technology (Understanding Science/Tech.)	Group Space Story		X	X	X			

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Grade: 6th

Course Title: Paleontology

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Concepts	NT	I	D	R	M	R
X				A.8.5, B.8.1, B.8.5,	# 22 - Earth and Space (Earth System and Earth's History) # 25--History and Nature of Science (Nature of Science)	Dynamics of Science		X	X	X		
X				E.8.5, G.8.1	# 22--Earth and Space (Earth System)	Paleontology and the areas of science associated with the profession		X				
X				E.8.5, F.8.7, F.8.9	# 22--Earth and Space (Earth's History and Earth System) # 21--Life Science (Characteristics of organisms) (Diversity and adaptations)	Geologic Time Scale			X	X		
X				A.8.5, B.8.1, E.8.5, F.8.7, F.8.9	# 22--Earth and Space (Earth's History) # 21--Life Science (Characteristics of Organisms)	Evolution		X	X			
X				F.12.5	# 21 Life Science (Characteristics of Organisms)	Taxonomy and Classification			X	X		
X				E.8.5	# 22--Earth and Space (Earth's History)	Fossils			X	X		
X				E.8.2, E.8.5	# 22--Earth and Space (Earth's History) (Earth System)	Theory of Plate Tectonics and Continental Drift			X	X		
X	A.8.4			F.12.5	# 21--Life Science	Species Journal		X	X			

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	and A.8.5				(Characteristics of Organisms) (Organisms and Environment)										

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Curricular Area: Science

Grade: 6th

Course Title: Weather

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Concepts	NT	I	D	R	M	R
X				E.8.1, E.8.3,	# 22--Earth and Space (Changes in earth/sky) (Earth System)	Earth's Atmosphere		X	X	X		
X	A.8.4 and A.8.5			C.8.1, C.8.2, C.8.3, C.8.6, C.8.8, C.8.9, C.8.10, E.8.3,	# 22--Earth and Space (Changes in earth/sky) (Earth System) # 23--Science and Technology (Understanding Science/Tech.)	Weather Factors: air pressure, temperature, humidity, precipitation, winds, and cloud types		X	X			
X				E.8.3	# 22--Earth and Space (Changes in earth/sky) (Earth System)	Weather Patterns: air masses, fronts, and storms		X	X			
X	A.8.4 and A.8.5			E.8.3, C.8.11	# 22--Earth and Space (Changes in earth/sky) (Earth System) # 23--Science and Technology (Understanding Science/Tech.)	Predicting the Weather: forecasting and weather maps		X	X			
X				E.8.3	# 22--Earth and Space (Changes in earth/sky) (Earth System)	Climate and Climate Change		X	X			
X		X		E.8.1, E.8.4, G.8.3, H.8.3	# 22--Earth and Space (Changes in earth/sky) (Earth System) # 24--Personal and Social Perspectives in Science (Environmental Quality)	Global changes in the Atmosphere		X	X			

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Course Title: Ecology

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Concepts	NT	I	D	R	M	R
X				F.8.8, F.8.9	# 21–Life Science (Populations and Ecosystems) # 24–Personal and Social Perspectives in Science (Population)	Structure of an Ecosystem			X	X		
X		X		F.8.2, F.8.7	# 21–Life Science (Organisms and Environments) # 24–Personal and Social Perspectives in Science (Environmental Quality)	Organisms in Their Environments			X	X		
X				E.8.6, F.8.10	# 21–Life Science (Populations and Ecosystems) # 22–Earth and Space (Earth’s History) # 24–Personal and Social Perspectives in Science (Natural Resources)	Natural Cycles			X	X		
X				F.8.7	# 21–Life Science (Diversity and Adaptations) (Populations and Ecosystems)	How Limiting Factors Affect Organisms			X	X		
X		X		F.8.8, F.8.9, F.8.10, G.8.3, G.8.4, H.8.2, H.8.3	# 21–Life Science (Populations and Ecosystems)	Designing ‘Ecologically Sound’ Cities		X	X	X		

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					# 24—Personal and Social Perspectives in Science (Environmental Quality)										

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