

# Chilton Public Schools Curriculum Document

Grade: 8

**Curricular Area: Middle School Grade 8 Science**

**Course Title (if different than Curricular Area): Earth's History**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
X				C.8.3 E.8.5	Earth's History	Reading the Rock Record					X	
X				A.8.3 A.8.6 B.8.4 E.8.5 F.8.2	Earth's History	The Fossil Record					X	
				E.8.5	Earth's History	Measuring Absolute Time				X		
				A.8.5 E.8.5	Earth's History	Precambrian Time				X		
				A.8.5 E.8.5	Earth's History	The Paleozoic Era				X		
				A.8.5 E.8.5	Earth's History	The Mesozoic Era					X	
				A.8.5 E.8.5	Earth's History	The Cenozoic Era					X	

EE = Education for Employment IT = Information and Technology EV = Environmental Education EC = Economic Education	NT = Not Taught I = Introduced D = Developed R = Reviewed M = Mastered
---	--

# Chilton Public Schools Curriculum Document

Grade: 8

**Curricular Area: Middle School Grade 8 Science**

**Course Title (if different than Curricular Area): Structure of a Dynamic Earth**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
				B.8.1	Properties of Earth Materials	Origin of Earth					X	
				E.8.2	Properties of Earth Materials	Earth's Shape & Size				X		
				E.8.2	Properties of Earth Materials	Earth's Density & Temperature				X		
X				D.8.3 D.8.1	Properties of Earth Materials	Mineral Identification					X	
				D.8.3 E.8.2	Properties of Earth Materials	Igneous Rocks					X	
				E.8.2	Properties of Earth Materials	Sedimentary Rocks					X	
				E.8.2	Properties of Earth Materials	Metamorphic Rocks					X	
X	X			C.8.1	Properties of Earth Materials	Map projections & scales				X		
				C.8.1	Properties of Earth Materials	Latitude & Longitude				X		
X	X			C.8.3	Properties of Earth Materials	Reading a Topographic Map					X	

EE = Education for Employment  
 IT = Information and Technology  
 EV = Environmental Education  
 EC = Economic Education

NT = Not Taught  
 I = Introduced  
 D = Developed  
 R = Reviewed  
 M = Mastered

# Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Earth and the Universe**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
X	X			G.8.2	Objects in the Sky, The Universe, Earth in our Solar System	Optical Telescopes					X	
	X			A.8.3 D.8.8	Objects in the Sky, The Universe, Earth in our Solar System	Electromagnetic Spectrum				X		
				E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Characteristics of Stars				X		
				C.8.3 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Galaxies within the Universe				X		
				E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	The Sun					X	
X	X			D.8.5 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Observing the Solar System					X	
X	X			A.8.3 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Lunar Exploration					X	
				D.8.5 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Moon's Features and Motions				X		
	X			E.8.8	Objects in the Sky, The Universe, Earth in our Solar System	Earth's Rotation and Time Measurement					X	

## Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Forces of Earth**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
		X		A.8.6 E.8.2 E.8.4	Changes in the Earth and Sky; Earth's Systems	Weathering and Erosion				X		
X		X		E.8.3	Changes in the Earth and Sky; Earth's Systems	Mass Movements and Conservation of Soils					X	
X	X	X		E.8.1	Changes in the Earth and Sky; Earth's Systems	Fresh Water and Water Budgets					X	
X		X		E.8.1	Changes in the Earth and Sky; Earth's Systems	Groundwater Characteristics				X		
X	X	X		E.8.1	Changes in the Earth and Sky; Earth's Systems	Stream and River Characteristics					X	
X				A.8.3 A.8.4	Changes in the Earth and Sky; Earth's Systems	Glaciers and Glacial Movement					X	
				A.8.4	Changes in the Earth and Sky; Earth's Systems	The Ice Age					X	
		X		C.8.3 E.8.1	Changes in the Earth and Sky; Earth's Systems	Wind and Water as an Agent of Erosion			X			
				A.8.5 E.8.2	Changes in the Earth and Sky; Earth's Systems	Plate Tectonics				X		
X				A.8.4 E.8.2	Changes in the Earth and Sky; Earth's Systems	Characteristics of Volcanism					X	
X				E.8.2	Changes in the Earth	Characteristics of					X	

# Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Forces of Earth**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
		X		A.8.6 E.8.2 E.8.4	Changes in the Earth and Sky; Earth's Systems	Weathering and Erosion				X		
X		X		E.8.3	Changes in the Earth and Sky; Earth's Systems	Mass Movements and Conservation of Soils					X	
X	X	X		E.8.1	Changes in the Earth and Sky; Earth's Systems	Fresh water and Water budgets					X	
X		X		E.8.1	Changes in the Earth and Sky; Earth's Systems	Groundwater Characteristics				X		
X	X	X		E.8.1	Changes in the Earth and Sky; Earth's Systems	Stream and River Characteristics					X	
X				A.8.3 A.8.4	Changes in the Earth and Sky; Earth's Systems	Glaciers and Glacial Movement					X	
				A.8.4	Changes in the Earth and Sky; Earth's Systems	The Ice Age					X	
		X		C.8.3 E.8.1	Changes in the Earth and Sky; Earth's Systems	Wind and Water as an Agent of Erosion			X			
				A.8.5 E.8.2	Changes in the Earth and Sky; Earth's Systems	Plate Tectonics				X		
X				A.8.4 E.8.2	Changes in the Earth and Sky; Earth's Systems	Characteristics of Volcanism					X	
X				E.8.2	Changes in the Earth	Characteristics of					X	

# Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Forces of Earth**

					and Sky; Earth's Systems	Earthquakes						
				E.8.2	Changes in the Earth and Sky; Earth's Systems	Mountain Building and Formations			X			

EE = Education for Employment	NT = Not Taught
IT = Information and Technology	I = Introduced
EV = Environmental Education	D = Developed
EC = Economic Education	R = Reviewed
	M = Mastered

## Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Earth's History**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
X				C.8.3 E.8.5	Earth's History	Reading the Rock Record					X	
X				A.8.3 A.8.6 B.8.4 E.8.5 F.8.2	Earth's History	The Fossil Record					X	
				E.8.5	Earth's History	Measuring Absolute Time				X		
				A.8.5 E.8.5	Earth's History	Precambrian Time				X		
				A.8.5 E.8.5	Earth's History	The Paleozoic Era				X		
				A.8.5 E.8.5	Earth's History	The Mesozoic Era					X	
				A.8.5 E.8.5	Earth's History	The Cenozoic Era					X	

EE = Education for Employment  
 IT = Information and Technology  
 EV = Environmental Education  
 EC = Economic Education

NT = Not Taught  
 I = Introduced  
 D = Developed  
 R = Reviewed  
 M = Mastered

## Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Atmospheric Science**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
		X		D.8.5 D.8.9 E.8.1 E.8.3 E.8.4	Earth's Atmosphere and how We Interact in it	Composition and Structure of the Atmosphere					X	
		X		E.8.1 E.8.3	Earth's Atmosphere and how We Interact in it	Heating of the Atmosphere					X	
		X		A.8.7 C.8.1 E.8.1 E.8.3	Earth's Atmosphere and how We Interact in it	Measuring Air Temperature					X	
		X		E.8.1 E.8.3	Earth's Atmosphere and how We Interact in it	Thunderstorms and Tornadoes					X	
		X		E.8.1 E.8.3	Earth's Atmosphere and how We Interact in it	Cyclonic Storms				X		
X	X			A.8.4 A.8.5 A.8.6 C.8.8 G.8.1	Earth's Atmosphere and how We Interact in it	Forecasting and Weather Mapping			X			

EE = Education for Employment  
 IT = Information and Technology  
 EV = Environmental Education  
 EC = Economic Education

NT = Not Taught  
 I = Introduced  
 D = Developed  
 R = Reviewed  
 M = Mastered



# Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Forces of Earth**

					and Sky; Earth's Systems	Earthquakes						
				E.8.2	Changes in the Earth and Sky; Earth's Systems	Mountain Building and Formations			X			

<p>EE = Education for Employment                  IT = Information and Technology                  EV = Environmental Education                  EC = Economic Education</p>	<p>NT = Not Taught                  I = Introduced                  D = Developed                  R = Reviewed                  M = Mastered</p>
--	---

## Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Earth and the Universe**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
X	X			G.8.2	Objects in the Sky, The Universe, Earth in our Solar System	Optical Telescopes					X	
	X			A.8.3 D.8.8	Objects in the Sky, The Universe, Earth in our Solar System	Electromagnetic Spectrum				X		
				E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Characteristics of Stars				X		
				C.8.3 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Galaxies within the Universe				X		
				E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	The Sun					X	
X	X			D.8.5 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Observing the Solar System					X	
X	X			A.8.3 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Lunar Exploration					X	
				D.8.5 E.8.7	Objects in the Sky, The Universe, Earth in our Solar System	Moon's Features and Motions				X		
	X			E.8.8	Objects in the Sky, The Universe, Earth in our Solar System	Earth's Rotation and Time Measurement					X	

## Chilton Public Schools Curriculum Document

**Curricular Area: Middle School Grade 8 Science**

**Grade: 8**

**Course Title (if different than Curricular Area): Structure of a Dynamic Earth**

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
				B.8.1	Prop. of Earth Materials	Origin of Earth					X	
				E.8.2	Prop. of Earth Materials	Earth's Shape & Size				X		
				E.8.2	Prop. of Earth Materials	Earth's Density & Temperature				X		
X				D.8.3 D.8.1	Prop. of Earth Materials	Mineral Identification					X	
				D.8.3 E.8.2	Prop. of Earth Materials	Igneous Rocks					X	
				E.8.2	Prop. of Earth Materials	Sedimentary Rocks					X	
				E.8.2	Prop. of Earth Materials	Metamorphic Rocks					X	
X	X			C.8.1	Prop. of Earth Materials	Map Projections & Scales				X		
				C.8.1	Prop. of Earth Materials	Latitude & Longitude				X		
X	X			C.8.3	Prop. of Earth Materials	Reading a Topographic Map					X	

EE = Education for Employment  
 IT = Information and Technology  
 EV = Environmental Education  
 EC = Economic Education

NT = Not Taught  
 I = Introduced  
 D = Developed  
 R = Reviewed  
 M = Mastered