

Chilton Public Schools Curriculum Document

Curricular Area: 9th grade Physical Science

Grade: 9

Course Title (if different than Curricular Area):

EE	IT	EV	EC	WI Academic Standard	WKCE Strand	Learner Objective	NT	I	D	R	M	R
	B.12.5 B.12.6			B12.1, C12.5, C12.6, C12.7, H12.6	25-History and Nature of Science—Nature of Science.	The methods of science				X		
	B.12.6		x	C12.3,G12.2,	25.History and Nature of Science-Science as a Human endeavor.	Standards of Measurement				X		
	B.12.7		x	H12.6,G12.3, C12.4,	25.History and Nature of Science-Science as a Human endeavor.	Communicating with Graphs				X		
	B.12.6			D.12.7,D.12.8,	20.Physical Science-Motions and Forces	Describe motion			X			
	B.12.6			D.12.8	20.Physical Science-Motions and Forces	Calculate acceleration		x	X			
	B.12.6			D.12.7,D.12.8,	20.Physical Science-Motions and Forces	Motion and forces relationships			X			
	B.12.6			D.12.7, D.12.8,	20.Physical Science-Motions and Forces	Newton's Laws of Motion			X			
	B.12.6			D.12.7, D.12.8	20. Physical Science-Motions and Forces	Force of gravity			X			
				D.12.10,	20. Physical Science-Energy	The nature of energy				X		
				D.12.10, D.12.11	20. Physical Science-Energy	Conservation of energy				X		
	B.12.6			D.12.7	20. Physical Science-Motions and Forces	Calculate work			X			
	B.12.6			D.12.7	20. Physical Science-Motions and Forces	Using simple machines			X			
	B.12.6			D.12.7	20. Physical Science-Motions and Forces	Working with compound machines			X			
				D.12.9	20.Physical Science-Light, Heat,Electricity	Temperature and Heat			X			

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				D.12.9	20.Physical Science- Light, Heat, Electricity.	Transferring thermal energy			X			
				D.12.9	20.Physical Science- Light, Heat, Electricity	Using Heat			X			

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				D.12.8	20.Physical Science-Light, Heat, Electricity	Define electric charge				X		
				D.12.8	20.Physical Science-Light, Heat, Electricity	Identify electric current				X		
				D.12.8	20. Physical Science-Light, Heat, Electricity	Uses of electrical energy			X			
				D 12.8	20. Physical Science-Magnetism	Magnetism				X		
				D 12.8	20.Physical Science-Magnetism	Electricity and magnetism relationship			X			
				D 12.8	20.Physical Science-Magnetism	Producing electric current			X			
				D 12.3	20. Physical Science-Structure of atoms	Understanding radioactivity			X			
				D 12.3	20. Physical Science-Structure of atoms	Defining nuclear decay		X				
				D 12.3	20 Physical Science-Structure of atoms	Nuclear reactions		X				
				D 12.12	20. Physical Science-Energy	Fossil fuels		X				
				D 12.12	20. Physical Science-Energy	Nuclear energy		X				
				D. 12.12	20. Physical Science-Energy	Renewable energy sources			X			
				D. 12.9	20. Physical Science-Light, Heat and electricity	The nature of waves			X			
				D. 12.9	20. Physical Science-Light, Heat and El.	Wave properties			X			

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				D. 12.9	20. Physical Science- Light, Heat, and El.	The behavior of waves		X				
				D. 12.9	20. Physical Science- Light, Heat, and El.	The nature of sound		X				
				D.12.9	20. Physical Science- Light, Heat, and El.	Properties of sound		X				
				D. 12.9	20. Physical Science- Light, Heat, and El.	Music	X					
				D. 12.9	20. Physical Science- Light, Heat, and El.	Using sound		X				
				D. 12.9	20. Physical Science- Light, Heat, and El.	Define electromagnetic waves	X					
				D. 12.9	20. Physical Science- Light, Heat, and El.	Electromagnetic spectrum	X					
				D. 12.9	20. Physical Science- Light, Heat, and El.	Radio communication	X					
				D. 12.9	20. Physical Science- Light, Heat, and El.	Behavior of light	X					
				D12.9	20. Physical Science- Light, Heat and El.	Light and Color	X					
				D. 12.9	20. Physical Science- Light, Heat and El.	Producing light	X					
				D. 12.9	20. Physical Science- Light, Heat and El.	Using light	X					
				D. 12.9	20. Physical Science- Light, Heat and El.	Properties of mirrors	X					
				D. 12.9	20. Physical Science- Light, Heat, and El.	Properties of lenses	X					
				D. 12.9	20. Physical Science- Light, Heat, and El	Using optical instruments	X					
				D.12.11	20. Physical Science-	State kinetic theory		X				

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					Properties							
				D. 12.11	20. Physical Science- Properties	Properties of fluids			X			
				D. 12.11	20. Physical Science- Properties	Behavior of gases			X			
				D. 12.11	20. Physical Science- Properties	Composition of matter			X			
				D. 12.11	20. Physical Science- Properties	Properties of matter			X			
				D. 12.1	20. Physical Science- Structure of atoms	Structure of the atom			X			
				D. 12.1	20. Physical Science- Structure of atoms	Masses of atoms			X			
				D. 12.1	20. Structure of atoms	The Periodic Table			X			
				D.12.1	20. Chemical reactions	Stability in bonding			X			
				D.12.1	20. Chemical reactions	Types of bonding			X			
				D.12.1	20. Chemical reactions	Writing formulas and naming compounds			X			
				D. 12.1	20. Chemical reactions	Metals			X			
				D. 12.1	20. Chemical reactions	Nonmetals			X			
				D. 12.1	20. Chemical reactions	Simple organic compounds		X				
				D. 12.1	20. Chemical reactions	Alcohol and organic acids		X	X			
				D. 12.1	20. Chemical reactions	Carbon Compounds		X				
				D. 12.1	20. Chemical reactions	Biological Compounds		X				
				D. 12.1	20. Chemical reactions	Materials with a Past— Alloys and their use.		X				
				D. 12.1	20. Chemical reactions	Versatile Materials— Ceramics,semiconductor		X				
				D. 12.1	20. Chemical reactions	Polymers and Composites		X				
				D. 12.1	20. Chemical reactions	How solutions Form			X			

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