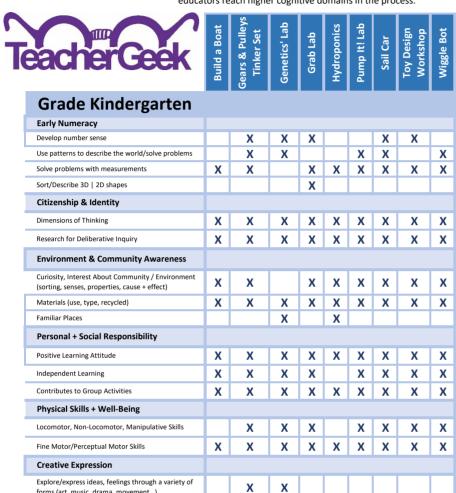
TeacherGeek activities and documents are aligned with 2008 Alberta Education: Kindergarten Learner Expectations. The transdisciplinary chart below explores the many comprehensive subjects TeacherGeek products cover, helping students + educators reach higher cognitive domains in the process.



X

X

X

X

X

X

X

X

Χ

 $X \mid X$

 $X \mid X \mid X \mid X$

X

Х

X

Χ

Χ

forms (art, music, drama, movement...)
Experiments with variety of materials to

create two and three dimensional forms
Uses past experiences to develop new ideas

Explores familiar materials in new ways

Responds to | appreciates art, movement

of cultures by viewing, discussing & creating.



TeacherGeek activities and documents are aligned with the <u>Alberta Education</u>
<u>Learner Expectations (1996-2008)</u>The trans-disciplinary chart below explores
the many comprehensive subjects TeacherGeek products cover, helping
students + educators reach higher cognitive domains in the process.

	Air Racer	Bean Sorter	Bridges + Structures	Build a Boat	Catch the Bug	Crazy Contraptions	Electromagnetic Crane	Electric Racer	Flag Waver	Fluid Power Lab	Gears & Pulleys Tinker Set	Genetics' Lab	Grab Lab	Basic Hydraulic Arm	Hydraulic Claw	Hydroponics	Judo-Bot	Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	Pump It! Lab	Rubber Band Racer	Sail Car	Super Spring Scale	Toy Design Workshop	Wiggle Bot	WindLift	Wind Pump	Yeast Mobile
Grade 1																													
Science Skills				. v					v		v										v	v		· ·	v		v		
1-1 1-2		X	-	X					X		X	х	X		X	x	Н				X	X	X	X	X	x	X	\dashv	-
Problem Solving with Technology		^		^					^		۸	^	۸		^	^					۸	^	^	۸	۸	^	۸		
1-3		Х		х					х		Х	Х	Х		х	х					х	Х	х	Х	Х	х	Х	\Box	
Science Attitudes 1-4		Х		Х					х		х	х	Х		х	х		Х			Х	х	Х	х	х	Х	х		
C: Building Things		Α		^					^		^	^	Λ		٨	Α		٨			^	^	Α	Α	Α	^	۸		
1-7		Х		х					х		Х	Х	Х		х	х					Х	Х	х	Х	Х	х	Х	\Box	
1-8 D: Senses		Х		Х					х		Х	Х	Х		Х	Х	ш				Х	Х	Х	Х	Х	Х	Х		
1-9											Х		Х								х		х			х		т	
E: Plant + Animal Needs																													
1-11												Х	Х			Х													
Grade 2																													
Science Skills 2-1		Х		х					Х		Х		Х		Х						Х	х	Х	Х	Х	Х	х	7	
2-2		X		Х					Х		X	Х	Х		Х						^		^	Ĥ	Â	Α.	Ĥ	J	
Problem Solving with Technology																								3.	,.		١.	4	
2-3 Science Attitudes		Х		Х					Х		Х	Х	Х		Х	Х					Х	Х	Х	Х	Х	Х	Х		
2-4		Х		х					Х		х	Х	х		Х	Х					х	х	Х	Х	Х	Х	х		
A: Exploring Liquids 2-6															v						V								
2-b B: Buoyancy + Boats															Х						Х								
2-7				Х																						Х			
C: Magnetism 2-8							Х																					-	-
E: Small Animals							Α																						
2-10												Х	Х															\Box	
Grade 3 Science Skills																													
3-1	Х	Х	Х	х			Х		Х		Х		х	Х	Х	Х	х	Х	х	Х	х	х	Х	Х	Х	х	х		-
3-2											Х	Х									Х	Х	х			х		ゴ	
Problem Solving With Technology																												_	
3-3 Science Attitudes			Х	Х			Х				Х		Х	Х	Х	Х				Х		Х				Х	х		
3-4	Х		Х	х			Х				Х	Х	х	Х	х	х	х	Х	х	х	х	х	х	Х	Х	х	х	\Box	
B: Building with Materials 3-6	Х	v	v	Х			Х		Х		v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	4	4
3-7	X	Х	X	X			X		^		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\dashv	\dashv
C: Testing Materials/Supplies																													
3-8 E: Animal Life Cycles	Х	Х	Х	Х			Х		Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	_	_
3-10												Х	х															П	-
Grade 4																													
Science Skills																													
4-1 4-2	X	Х	X	X		X	X	X	Х	Х	X	Х	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Problem Solving with Technology	^	^	^	^		^	^	^	^		٨	^	۸	^	^	^	^	^	۸	^	۸	۸	^	^	^	^	۸	^	Â
4-3	Х	Х	Х	Х		Х	Х		Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	\Box	Х
Science Attitudes 4-4	Х	Х	х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х	Х		х	Х	Х	Х	Х	Х	х	х
A: Waste & Our World							-		_		-			-	-		-	-	-	_			_		-	-	-		
4-5	14	X	U	Ų.	H	ν.	X	,	V	,	v		,,		X	,,	,,	X	V	V		v	,,	,,	,,	,	Х	Х	Ų
4-5 (Recycling Innovation) B: Wheels & Levers	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
4-6	Х					Х		Х	Х		Х		Х				Х		х	Х		х	Х		Х	X		\Box	х
C: Building Moving Devices Vehicles																													
4-7 4-8	X	X	-	X	Н	X	X	X	X		X		X	X	X	X	X	X	X	X		X	Н	X	X	X	X	_	X
4-8 E: Plant Growth + Changes	Х	Х		Х		Х	Х	Х	Х		Х		Х	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х	Х	Х	Х	Х
4-10																Х													
Grade 5																													
Science Skills 5-1	Х		х	х	х	Х	х	Х		Х	х		х	Х	Х	Х	Х	Х	х	Х	х	х	х		х	Х	х	х	х
5-2	Х		х	Х	Х	Х	Х	Х		Х	Х		Х	Х	Х	Х	Х	Х	х	Х	Х	х	Х			Х	х	\rightarrow	х
Problem Solving with Technology		v		u	v		v	v	v									,,								v			
5-3 Science Attitudes		Х		Х	Х		Х	Х	X									Х								Х			
5-4	Х	Х	х	х	х	Х	Х	х	х	х	х	х	х	х	Х	Х	х	х	х	х		х	Х	х	х	Х	х	х	х
A: Electricity & Magnetism 5-5					Х		х																						
B: Mechanisms Using Electricity					^		^																						
5-6		х		х	х		Х	х	Х									х								х			
C: Classroom Chemistry 5-7										Х						Х													х
E: Wetland Ecosystems																-													

5-10			i i	i i								i i				х											х	
Grade 6																												
Science Skills																												
6-1	Х		Х	Х	Х	Х	х	х		х	Х		Х	Х	Х	х	х	х	Х	х	Х	Х	Х		х	х	Х	Х
6-2	х		Х	х	х	х	Х	Х		Х	х		Х	х	Х	Х	Х	Х	х	Х	х	Х	Х		Х	Х	Х	Х
Problem Solving with Technology																												
6-3	Х			Х														х		х		Х				х	Х	
Science Attitudes																												
6-4	х	х	Х	х	х	х	х	х	х	х	х	Х	х	х	х	х	х		х	х	Х	Х	х	х	х	х	Х	Х
A: Air + Aerodynamics																												
6-5	х			х														х		х		Х				х	Х	
B: Flight																												
6-6	х																			Х		Х				Х		



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	Air Racer	Bean Sorter	Bridges + Structures	Build a Boat	Catch the Bug	Crazy Contraptions	Direct Drive Wind Turbine	Electromagnetic Crane	Electric Racer	Flag Waver	Fluid Power Lab	Geared Wind Turbine	Gears & Pulleys Tinker Set	Genetics' Lab	Grab Lab	Advanced Hydraulic Arm	Hydraulic Claw	Hydroponics	Judo-Bot	Mini Wind Turbine	Mousetrap Vehicle	Advanced Projectile Launcher	Advanced Rubber Band Racer	Sail Car	Sumo-Bot	Super Spring Scale	Super Wiggle Bot	Wind Lift	Wind Pump	Yeast Mobile
Grade 7																														
Unit A: Interactions + Ecosystems																														
Environments + Needs of Living Things																		Х												
Interactions, Dependency, Adaptation		ш							_					Х	Х			Х										ш		
Habitats, Patterns of Living Things Human Impact on Ecosystems		Н	Х						H					X				Х		-								Х	х	-
Unit B: Plants Food Fibre			^											^				^										^	^	
Natural + Managed Uses of Plants																		Х												
Plant Structures + Life Processes																		Х												
Plant Environments, Variables, Controls		ш							_									X										ш		_
Human Relationships with Plants Unit C: Heat + Temperature									_					Х				Х											Х	
Effects of Thermal Energy (Bridges)			Х																											
Heat Temperature in Nature + Tech			Х						Х																				Х	
Unit D: Structures + Forces																														
Describe Interpret Construction Structure	Х	ш	Х	Х		Х	Х	Х	Х	Х		Х	Х							Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Describe Interpret Natural Structures Forces, Mass, Load, Friction	х	х	х	х	х	Х	Х	Х	х	Х	Х	Х	Х	Х	X	Х	х	Х	х	Х	х	Х	х	х	х	Х	х	х	х	Х
Tension, Compression, Bending Forces	^	^	Х	^	^	Х	^	X	^	^	Х	^	^		^	X	X		Х	^	X	X	X	^	^	^	Х	^	Х	X
Structure Stability + Foundation Design		Х	Х	Х		Х		Х	Х	Х		х	Х			х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	х	Х	Х
Material Properties in Structures	Х	Х	Х	Х		Х	х	Х	X	Х		Х	Х		х	Х	Х	Х	Х	Х	X	х	Х	X	X	Х	Х	Х	Х	Х
Develop, Evaluate, Improve Structures Grade 8	Х		Х	Х	Х	Х	х	Х	Х			Х	Х		Х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х
Unit A: Mix/Flow of Matter																														
Investigate Fluids in Technology + Life											Х					х	Х	Х	Х										х	х
Composition + Behaviour of Solutions											Х					X	х	Х	Х										Х	Х
Gases, Liquids: Matter Properties											Х					х	х	Х	Х										Х	х
Fluid Powered Technologies									_		Х					Х	Х	Х	Х									ш	Х	Х
Unit B: Cells + Systems Function, Structure, Organizations														Х				Х												
Unit D: Mechanical Systems																		^												
Historical Mechanical Devices Over Time	Х		Х	Х		Х		Х					Х		Х	Х	Х	Х		Х		Х	Х	Х				Х	Х	
Mechanical Device Structures + Functions	Х	Х		X	Х	Х	Х	Х	Х	X		Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Linkages + Gear Pulley Systems Speed + Force Ratios	v	Н		v		v	X		X	X		X	X								v	v	X	X	X	v	X			. V
Simple Machines, Mechanical Adv, Work	Х		Х	X		X	X	Х	X	X		X	X		Х	Х	Х		Х	Х	X	X	X	X	X	X	X	Х	х	X
Fluid, Hydraulic, Pneumatic Power								~			Х					Х	х	Х	Х	~			-1						Х	Х
Evaluate + Improve Mechanical Design	Х	Х	Х	X	Х	Х	х	Х	X	Х		Х	Х		х	Х	х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х
Unit E: Fresh Saltwater Systems																														
Water, Climate, Landforms Lifeforms in Salt Freshwater Biomes														,				Х											Х	
Human Impact on Aquatic Systems				х										X			х												х	
Grade 9																														
Unit A: Biological Diversity Diversity Among/Within Species														Х	Х			Х												
Reproduction, Species Characteristics														Х	_^_			Λ.												
Genetics, DNA, Heredity, Traits														х																
Human Impact on Species Survival/Diversity Unit B: Matter & Chemical														Х				Х											Х	
Change																														
Investigate Physical Chemical Properties																		X												X
Interpret Chemical Matter in Past Present					Х				Х									Х												Х
Unit C: Environmental Chemistry Roles of Substances in the Environment																		Х												х
Measuring Substances, Air Water Quality																		Х												Х
Unit D: Electricity & Technology																														
Use of Devices to Convert Electrical Energy					Х			Х	Х																		Х			
Transfer/Control of Electrical Energy					Х			Х	Х																					_
Identify Estimate Energy Outputs Inputs Electricity in Society the Environment		Н			X			X	X										_					Н	Н		Х	Н	v	-
Unit E: Space Exploration					Х			Х	Х																				Х	
Space Exploration, Life in Space Technologies	s							Х	х							Х		Х					х							
Risks/Dangers of Space Exporation								Ĺ	Х							~		Х					Х							



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Science 10																		Τ					Τ		Τ	Τ			
Unit A: Energy + Matter																													
in Chemical Change Combining Elements; Periodic Table																	х												х
Chemical Changes + Equations Unit B: Energy Flow in Technological																	Х												х
Systems																													
Analyze Thermodynamic Technologies (mechanical, chemical, solar, nuclear, thermal)	х	х		х	х	х	x	х	х	х	х	х	х		х	х	х	х	х	х	х	x	х	х	х	х	х	х	x
Energy in Mechanical Systems	X	Х		Х	Х	х	Х	Х	Х	Х		Х	х						х	Х	х	х	Х	Х	Х	Х	Х		
Kinetic + Potential Energy	Х			Х	Х	Х	Х		Х	Х		Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	X
Chemical Energy = Potential Energy Acceleration, Velocity, Displacement	Х	Х		х		Х	Х		х			х					^			Х	х	х	Х	Х			Н		X
Gravitational Energy			Х			Х					Х		Х		Х	Х	Х	Х		Х	Х	Х	Х		Х	Х	Х	Х	
Work, Mechanical Advantage Energy Conservation Efficiency	х	Х	X	X		X	X	X	X	Х	Х	X	X		X	X		X	X	X	X	X	Х	X	X	X	X	X	X
Energy + Environment Protection	^	^	^	^		^	^	Х	^	^	^		^			^		Х	^	^	^		^	^	^	^	Ĥ	Х	
Unit C: Cycling of Matter																													
in Living Systems Plant Cell Systems (phototropism)																	Х												
Unit D: Energy Flow in Global Systems																													
Climate + Biomes														Х			X												
Global Energy Climate Change								Х						Х			Х										Ш	Х	
	Air Racer	Bean Sorter	Bridges + Structure	Build a Boat	Catch the Bug	Crazy Contraptions		Electromagnetic Crane	Electric Racer	Flag Waver	Fluid Power Lab	Geared Wind Turbine	Gears & Pulleys Tinker Set	Genetics Lab	Advanced Hydraulic Arm	Hydraulic Claw	Hydroponics	Judo-Bot	Mini Wind Turbine	Mousetrap Vehicle	Projectile Launche	Advanced Rubber Ba Racer	Sail Car	Sumo-Bot	Super Spring Scale	Super Wiggle Bot	Wind Lift	Wind Pump	Yeast Mobile
Physics 20 (Grades 10-12) Unit A: Kinematics																													
20-A1.1k Velocity, Acceleration	х			х		х			х				Х							Х	х	Х	Х	х	Х				Х
20-A1.2k Scalars + Vectors	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
20-A1.3k Accelerated Motion, Data	X			X		X			X				X							X	X	X	X	X	X	v	Ш		Х
20-A1.4k Displacement/Velocity 20-A1.5k 2D Motion, Planes	X		Х	X	Х	X		Х	X	Х	Х	_	X		х	Х	х	х	х	X	X	X	X	X	X	X	Х	Х	X
20-A1.1-3sts Sci. Goals, Methods	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
20-A1.2s Investigate, Record Data 20-A1.3s Analyze Data With Math	X	Х	X	X	Х	X	X	X	X	Х	X	X	X	Х	X	X	X	X	X	X	X	X	X	Х	X	X	X	X	X
Unit B: Dynamics						,,										,,		,,	,,								-		
20-B1.1k Force - Change in Velocity	х	П		х	х	х	х	х	х	х		х	х		х	х		х	х	х	х	х	х	х	х	х	х	х	х
20-B1.2k Newton's 1st Law of Motion	Х			Х	Х	Х		Х	Х	Х			Х		Х	Х		Х	Х	Х	Х	х	Х	Х	Х	Х	Х	Х	Х
20-B1.3k Newton's 2nd Law of Motion	Х			х	Х	х		Х	Х			Х	х		х				х	Х	х	х	Х	Х					х
20-B1.4k Newton's 3rd Law of Motion	Х	Х	Х	х	Х	х	Х	Х	Х	х	х	Х	х		х	х		х	х	Х	х	х	Х	Х	Х	х	Х	Х	х
20-B1.5k Static Kinetic Friction	Х				Х	Х			Х				Х							Х		х	Х	Х		Х	Ш		х
20-B1.6k Graphed/Algebraic Vectors	Х																		Х		X	X					Ш	\vdash	
20-B1.7k Linear Motion Problems 20-B1.1sts Purpose of Technology	. v	v	v	v		v	v	v	X	v	. v	v	v		v	v	v	v	v	X	X	X	v	v	v	v	v	v	X
to Create Solutions for Problems 20-B1.3sts Hypotheses	X	X	X	X	v	X	X	X	X	X	х	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20-B1.3sts hypotheses 20-B1.1s Questions, Investigations	X	Х	X	X	X	X X	X X	X	X	X		X X	X		X	X	X X	X X	X X	X X	X	X	X X	X	Х	X X	X	X	X
20-B1.2s Observe Variables, Data	X	\vdash	X	X	X	X	X	X	X	^		X	X		X	X	x	X	X	X	X	X	X	X		X	X	X	X
20-B1.3s Math/Conceptual Models			Х						х		х	Х	Х			П					х	Х	х				Х	х	\dashv
20-B2.1k Gravitational Force	х		Х	х		х	х	х	х		х		х		х		х	х	х	х	х	х	х	х			х	х	х
20-B2.5k Gravity, Acceleration	х			х	х	х			х				х							х	х	Х	х	х		х			х
20-B2.2s Investigate, Record Data	х	_	х	х	х	х	Х	х	х		х	х	х	х	Х	х	х	х	х	х	х	х	х	х		х	х	х	х
20-B2.3s Analyze Data with Math	Х		Х	Х		Х	Х		Х		Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х
Unit C: Circular Motion, Work, Energy																													
20-C1.1k Circular Motion, 2D Motion													Х													Х			

20-C1.2k Acceleration, Circular Motion	. 7												.,													.,		_	
20-C1.3k Speed, Freq., Period, Radius		Н	_										X		\vdash			Н							H	X	\dashv	\dashv	\dashv
20-C1.3sts Purpose of Technology													X					Н							Н	x	_	\dashv	-
to Create Solutions for Problems 20-C2.1k Mechanical Energy = Kinetic +																									Н		_		_
Potential Energy						Х			Х				Х					Х		Х	Х	Х		Х	ш	Х		_	Х
20-C2.4k Rate + Measure of Work	х			Х		X		х	X				Х	X	х	Х		Х		Х	X	Х		Х		Х	Х	Х	Х
20-C2.5k Power	х	х		х	х	х	х	х	х	х		х	х	х	х	х		х	х	х	х	х	х	х		х	х	х	х
20-C2.2sts Products of Technology meet	Х	х	х	Х	Х	Х	х	Х	х	Х	х	х	х		Х	Х	х	Х	Х	Х	х	Х	Х	Х	х	х	х	х	Х
given needs, problems	^	^	^	^	^	۸		^	^	^	^	^	^		^	^	^	^	^	^	^		^	^	^	^	^		^
Unit D: Oscillatory Motion, Mechanical Waves																													
20-D1.3k Simple Harmonic Motion										Х															Х	Х			
20-D2.1k Mechanical Waves																										Х			
20-D2.3k Longitudinal/Transverse Waves																									Ш	Х	_	_	
20-D2.4k Wavelength, Amplitude, Ray																									Щ	Х	_	_	
20-D2.5k Wave Speed 20-D2.7k Reflection Mechanical Waves																		-							Н	X	-	_	
20-D2.1sts Purpose of Technology																									Н	X	-		\dashv
to Create Solutions for Problems																										^			
			nre		500	ions	ه	Ęį			a	a	S _×		F	3	10		ine	icle	her	ber			a g	3g			a
	re	rte	ם	Boat	B Bu	Contraptions	rect Drive nd Turbine	gne e	\ace	aver	er L	eared Turbine	ulle	. Lak	ed Arı	Cla	nics	ţ	Wind Turbine	Vehicle	anu	Rub	Car	Bot	S S	ge	≝∣	Wind Pump	喜
	Air Race	Bean Sorte	+ 52	d a	ŧ	onti	A F	omag Crane	ric	Flag Waver	Pow	Geared nd Turb	ars & Pull Tinker Set	etic	Advanced draulic Ar	ij	og o	Judo-Bot	ind	irap	e L	anced Rub Band Racer	Sail C	Sumo-Bot	ji	Wig	Wind Lift	<u>a</u>	ξ
	Ē	Bea	Bridges + Structures	Build a Boat	Catch the Bug	zy C	Direct Drive Wind Turbine	Electromagnet Crane	Electric Racer	Flag	Fluid Power Lab	Ge Wind	Gears & Pulleys Tinker Set	Genetics Lab	Advanced Hydraulic Arm	Hydraulic Claw	Hydroponics	르	ž Š	Mousetrap	Projectile Launche	Advanced Rubber Band Racer	Š	Sull	Super Spring Scale	Super Wiggle Bot	3	ž	Yeast Mobile
			Brid		٥	Crazy	>	ă			Ē	>	Ğ			Í			Mini	Σ	Proj	Ā			Sup	Sul			
Science 20 (10-12)																													
Unit A: Chemical Changes																													
20-A1.1k Chemical Reactions in Water																	Х												х
20-A1.3s Analyze Data With Math																	х												х
Unit B: Changes in Motion																													
20-B1.1k Scalar Vector Quantities	X			X	Х	X		Х	X			Х	Х		Х	Х		Х	Х	Х	Х	X	X	X	Х	Х	Х	Х	X
20-B1.2k Velocity Acceleration Formulas 20-B1.1sts Purpose of Technology	X			X		X			X													X	X	X					X
to Create Solutions for Problems	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
20-B1.2sts History of Science + Tech 20-B1.1s Questions, Investigations	X	х	X	X	Х	X	X	X	X	Х		X	X		X	X	X	Х	X	X	X	X	X	Х		X	X	X	X
20-B1.4s Collaboration + Teamwork	X	X	X	X	X	X	X	X	Х	X	Х	X	X	Х	X	X	X	X	X	X	X	X	X	X	Х	X	X	Х	X
20-B2.1k Momentum	Х			х		Х	Х	Х	Х			Х	Х		Х	Х	Х		Х	Х	Х	Х	Х			Х	Х	Х	Х
20-B2.2k Collisions + Explosions	Х		Х	Х	Х	Х			Х				Х					Х		Х	Х	Х	Х	Х		Х			Х
20-B2.4k Unbalanced Force, Motion	X		X	X	X	X		X	X				X		X	X		X		X	X	Х	X	X	Х	X		X	X
20-B2.5k Force, Mass, Motion 20-B2.7k Potential, Kinetic, Work Done	X	х	X	X	X	X	Х	X	X				Х		X	X		Х		Х	Х	Х	Х	Х	Х	Х	Х	X	X
20-B2.2s Investigate, Record Data	Х	^			^				x	X			x					X	×	x	¥	¥	x	¥	×	¥			
Unit D: Living Systems Changes			Х	Х	Х	Х	^	X	X	Х	х	Х	Х	х	X	X	Х	X	X	X	X	X	X	X	Х	X	X	Х	Х
Unit D: Living Systems Changes			Х	Х	Х	Х	^			Х	х	х	Х	х			х								X				
20-D1.1k Ecosystems, Biotic Abiotic			Х	X	X	X	^			X	X	х	х	Х			X								X				
			X	X	X	X				X	X	Х	X	X X											X	_		X	
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment			X	X	X	X				X	X	X	х	Х			x								X	_			
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content			X	X	X	X				X	X	X	X	x x x			x								X	_		X	
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment			X	X	X	X				X	X	X	X	X X			x								X	_		X	
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2st Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions				X						X		X		x x x		X	x x x		X	X	X	X				X		X	
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2st Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions		er						X	X		X qp			X X X	X	X	x x x		X	X	X	X		X	Scale	Bot		X X	x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2st Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions	Racer Sacer	Sorter	uctures	oat	Bug	ptions	ive oine	gnetic	x	ler ler	er Lab	d bine	lleys et	X X X	Arm	Claw	x x x	x	Turbine	Vehicle	uncher	X	X	X	g Scale	x x x x x x x x x x x x x x x x x x x	X	X X	x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2st Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions	Air Racer		uctures	oat	Bug	ptions	ive oine	gnetic	x	ler ler	er Lab	d bine	lleys et	X X X	Arm	Claw	x x x	x	Turbine	Vehicle	uncher	X		X	g Scale	x x x x x x x x x x x x x x x x x x x	X	X X	x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2st Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions	Air Racer	Bean Sorter	uctures			ptions		x X	X			d bine		X X X	X	X	X X X		Turbine	Vehicle	uncher	X	X	X	g Scale	x x x x x x x x x x x x x x x x x x x		X X	X
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2ks Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle	Air Racer			oat	Bug		ive oine	gnetic	x	ler ler	er Lab	d bine	lleys et	X X X	Arm	Claw	x x x	x	X	X	X	ubber x	X	X		Bot	X	X X	x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2ks Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Science 24	Air Racer		uctures	oat	Bug	ptions	ive oine	gnetic	x	ler ler	er Lab	d bine	lleys et	X X X	Arm	Claw	x x x	x	Turbine	Vehicle	uncher	X	X	X	g Scale	x x x x x x x x x x x x x x x x x x x	X	X X	x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2ks Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle	Air Racer		uctures	oat	Bug	ptions	ive oine	gnetic	x	ler ler	er Lab	d bine	lleys et	X X X	Arm	Claw	x x x	x	Turbine	Vehicle	uncher	X	X	X	g Scale	x x x x x x x x x x x x x x x x x x x	X	X X X	x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2st Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Science 24 Unit A: Properties of Matter	Air Racer		uctures	oat	Bug	ptions	ive oine	gnetic	x	ler ler	Fluid Power Lab	d bine	lleys et	X X X	Arm	Claw	Hydroponics x	x	Turbine	Vehicle	uncher	X	X	X	g Scale	x x x x x x x x x x x x x x x x x x x	X	X X X	Yeast Mobile
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Science 24 Unit A: Properties of Matter Everyday Life Uses Technology + Products	Air Racer		uctures	oat	Bug	ptions	ive oine	gnetic	x	ler ler	Fluid Power Lab	d bine	lleys et	X X X	Arm	Claw	Hydroponics x	x	Turbine	Vehicle	uncher	X	X	X	g Scale	X Sile Bot	X	X X X	Yeast Mobile
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Record Data, pH, O2 Content 20-D2.2k Biogeochemical Cycles, Water Cycle Science 24 Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy	Air Racer		uctures	oat	Bug	ptions	ive oine	gnetic	x	ler ler	Fluid Power Lab	d bine	lleys et	X X X	Arm	Claw	Hydroponics x	x	Turbine	Vehicle	uncher	X	X	X	g Scale	X Sile Bot	X	X X X	Yeast Mobile
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Science 24 Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct Simple device to transform energy	X Air Rac	Bean Sor	uctures	Build a Boat	Catch the Bug	Crazy Contraptions	X Direct Drive Wind Turbine	Electromagnetic Crane	X Electric Racer	Flag Waver	Fluid Power Lab	Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X	Arm	Claw	Hydroponics x	x	Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	Sumo-Bot	Super Spring Scale	X Suber Wiggle Bot	Mind Lift	x x x x x x	X X X
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Science 24 Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill, rubber band racer, mousetrap webicle, carbon dioxide, electric motor)	X X	Bean Sor	uctures	Build a Boat	Catch the Bug	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X	Arm	Claw	Hydroponics x	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Wind Lift	x x x x x	X X X
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill, rubber band racer, mousetrap vehicle, carbon dioxide, electric motor) Energy Input, Converter, Output	X Air Rac	Bean Sor	uctures	Build a Boat	X X	Crazy Contraptions	X Direct Drive Wind Turbine	Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X	Arm	Claw	Hydroponics x	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	Sumo-Bot	Super Spring Scale	X Suber Wiggle Bot	Mind Lift	x x x x x x x x x	X X X
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Consensation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill, Tubber hand racer, mousetrap vehicle, carbon dioxide, electric motor) Energy Input, Converter, Output	X X	Bean Sor	uctures	Build a Boat	Catch the Bug	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X	Arm	Claw	Hydroponics x	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Mind Lift	x x x x x	x x x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill, rubber band racer, mousetrap vehicle, carbon dioxide, electric motor) Energy Input, Converter, Output	X X	Bean Sor	uctures	Build a Boat	X X	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X	Arm	Claw	Hydroponics x	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Mind Lift	x x x x x x x x x	X X X
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill, rubber band racer, mousetrap wehicle, carbon dioxide, electric motor) Energy Input, Converter, Output Electrical Energy Transfer, Conversions Energy Conversions in Chem Bio systems Unit C: Disease Defence/Health Role of Genes inherited Characteristics/Health	X X X	Bean Sor	uctures	Build a Boat	X X	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	x x x x x x x x x x x x x x x x x x x	Arm	Claw	Hydroponics x	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Mind Lift	x x x x x x x x x	x x x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill; Jusber band racer, mousetrap vehicle, carbon dioxide, electric motor) Energy Input, Converter, Output Electrical Energy Transfer, Conversions Energy Conversions in Chem Bio systems Unit C: Disease Defence/Health Role of Genes Inherited Characteristics/Health Interpret a Punnett Square	x x x	Bean Sor	uctures	Build a Boat	X X	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X X X X X X X X X X X X X X X X X	Arm	Claw	X X X X X X X X X X X X X X X X X X X	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Mind Lift	x x x x x x x x x	x x x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, O2 Content 20-D1.2s Record Data, pH, O2 Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill, rubber band racer, mousetrap wehicle, carbon dioxide, electric motor) Energy Input, Converter, Output Electrical Energy Transfer, Conversions Energy Conversions in Chem Bio systems Unit C: Disease Defence/Health Role of Genes inherited Characteristics/Health	x x x	Bean Sor	uctures	Build a Boat	X X	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	x x x x x x x x x x x x x x x x x x x	Arm	Claw	X X X X X X X X X X X X X X X X X X X	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Mind Lift	x x x x x x x x x	x x x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, OZ Content 20-D1.2s Record Data, pH, OZ Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (vindmill, Inaber band race; mousetapy vehicle, carbon dioxide, electric motor) Energy Input, Converter, Output Electrical Energy Transfer, Conversions Energy Conversions in Chem Bio systems Unit C: Disease Defence/Health Role of Genes Inherited Characteristic/Health Interpret a Punnett Square Interpret Pedigree, Autosomal Single Gene Tr.	x x x	Bean Sor	uctures	Build a Boat	X X	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X X X X X X X X X X X X X X X X X	Arm	Claw	X X X X X X X X X X X X X X X X X X X	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Mind Lift	x x x x x x x x x	x x x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Habitat Destruction 20-D1.2sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, OZ Content 20-D1.2s Record Data, pH, OZ Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmil); rubber band race, mousetrap vehicle, carbon dioxide, electric motor) Energy Input, Converter, Output Electrical Energy Transfer, Conversions Energy Conversions in Chem Bio systems Unit C: Disease Defence/Health Role of Genes Inherited Characteristics/Healt Interpret a Punnett Square Interpret Pedigree, Autosomal Single Gene Tr Factors that Affect Gene Expression	x x x	Bean Sor	uctures	Build a Boat	X X	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	X X X	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X X X X X X X X X X X X X X X X X	Arm	Claw	X X X X X X X X X X X X X X X X X X X	x	X Mini Wind Turbine	Mousetrap Vehicle	Projectile Launcher	X Advanced Rubber Band Racer	X	x x	Super Spring Scale	X Super Wiggle Bot	Mind Lift	x x x x x x x x x	x x x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Ecosystems, Biotic Abiotic 20-D1.4sts Society Technology Consequences for the Environment 20-D1.2s Record Data, pH, OZ Content 20-D1.2s Record Data, pH, OZ Content 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct simple device to transform energy (windmill; Nuber hand race; mousetrap vehicle, carbon dioxide, electric motor) Energy Input, Converter, Output Electrical Energy Transfer, Conversions Energy Conversions in Chem Bio systems Unit C: Disease Defence/Health Role of Genes Inherited Characteristics/Health Interpret a Punnett Square Interpret Pedigree, Autosomal Single Gene Tr Factors that Affect Gene Expression Unit D: Motion, Change, Safety Describe the change in position/speed of objects through mathematics/graphs One-Dimensional Collisions of Two Objects	X X X Y	Bean Sor	uctures	x x	X X	X Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	x x x x x x	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X X X X X X X X X X X X X X X X X	Arm	Claw	X X X X X X X X X X X X X X X X X X X	Judo-Bot	X Mini Wind Turbine	X X X	Projectile Launcher	X Advanced Rubber X X	X Sail Car	x x x	Super Spring Scale	X X X X X X X X X X X X X X X X X X X	Mind Lift	x x x x x x x x x	x x x x
20-D1.1k Ecosystems, Biotic Abiotic 20-D1.4k Ecosystems, Biotic Abiotic 20-D1.4sts Society Technology Consequences for the Environment 20-D1.2st Society Technology Consequences for the Environment 20-D1.3s Assess Develop Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Solutions 20-D2.2k Biogeochemical Cycles, Water Cycle Unit A: Properties of Matter Everyday Life Uses Technology + Products Investigate/Classify Chemical Reactions Unit B: Energy Conversion Systems Transformation/Conservation of Energy in Physical/Technological Systems Construct Simple device to transform energy (windmill, rubber band racer, mousetrap vehicle, carbon dioxide, electric motor) Energy Conversions in Chem Bio systems Unit C: Disease Defence/Health Role of Genes Inherited Characteristics/Health Interpret a Punnett Square Interpret Pedigree, Autosomal Single Gene Tr Factors that Affect Gene Expression Unit D: Motion, Change, Safety Describe the change in position/speed of objects through mathematics/graphs	x x X X X X	Bean Sor	uctures	x x	X X	Crazy Contraptions	X X Wind Turbine	X Electromagnetic Crane	x x x x x x x x x x x x x x x x x x x	Flag Waver	Fluid Power Lab	X Geared Wind Turbine	Gears & Pulleys Tinker Set	X X X X X X X X X X X X X X X X X X X	Arm	Claw	X X X X X X X X X X X X X X X X X X X	x	X Mini Wind Turbine	X X X	Projectile Launcher	X Advanced Rubber X Band Racer	Sail Car	x x	Super Spring Scale	X X X X	Mind Lift	x x x x x x x x x	x x x x