







**Illinois Learning Standards correlated to  
Reading Essentials in Science  
Perfection Learning Corporation**

Learning Standard	Dinosaurs	Things that Sting	What's Inside Me?	Motion in Space	Environmental Disasters	Diamonds	Turns that Down!	Describe it	Larger than Life	The Tools of Science	Let's Get Organized	Forming Hypotheses	Careers	Making a Space Shuttle	Scream Machines	Who Gets More?	What if We Measured Speed as Feet per Hour?	Numbers in Science	Fluent 2 Teacher Resource
11. A. Know and apply the concepts, principles and processes of scientific inquiry.																			
11.A.1a Describe an observed event.				X			X	X	X										X
11.A.1b Develop questions on scientific topics.				X					X	X	X			X					X
11.A.1c Collect data for investigations using measuring instruments and technologies.										X									
11.A.1d Record and store data using available technologies.										X	X								X
11.A.1e Arrange data into logical patterns and describe the patterns.										X	X								X
11.A.1f Compare observations of individual and group results.										X	X	X							
11. B. Know and apply the concepts, principles and processes of technological design.																			
11.B.1b Design a device that will be useful in solving the problem.																			
11.B.1c Build the device using the materials and tools provided.														X					X















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Learning Standard	Bones	The Brain and Nerves	The Heart	Muscles	Skin	Teaching and Assessment Resource	Classifying/Grouping Materials	Force and Motion	Gravity	Measuring Matter	States of Matter	Teaching and Assessment Resource	Color and Light	Electrical Circuits	Hearing and Sound	Magnets	Simple Machines	Teaching and Assessment Resource
12. A. Know and apply concepts that explain how living things function, adapt and change.																		
12.A.1a Identify and describe the component parts of living things (e.g., birds have feathers; people have bones, blood, hair, skin) and their major functions.	X	X	X	X	X	X												
12.A.1b Categorize living organisms using a variety of observable features (e.g., size, color, shape, backbone).																		
12. B. Know and apply concepts that describe how living things interact with each other and with their environment.																		
12.B.1a Describe and compare characteristics of living things in relationship to their environments.																		
12.B.1b Describe how living things depend on one another for survival.																		
12. C. Know and apply concepts that describe properties of matter and energy and the interactions between them.																		
12.C.1a Identify and compare sources of energy (e.g., batteries, the sun).													X	X				X
12.C.1b Compare large-scale physical properties of matter (e.g., size, shape, color, texture, odor).							X			X		X						
12. D. Know and apply concepts that describe force and motion and the principles that explain them.								X				X						
12.D.1a Identify examples of motion (e.g., moving in a straight line, vibrating, rotating).							X					X						
12.D.1b Identify observable forces in nature (e.g., pushes, pulls, gravity, magnetism).									X			X				X		







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12. E. Know and apply concepts that describe the features and processes of the Earth and its resources.																			
12.E.1a Identify components and describe diverse features of the Earth's land, water and atmospheric systems.																			
12.E.1b Identify and describe patterns of weather and seasonal change.																			
12.E.1c Identify renewable and nonrenewable natural resources.																			
12. F. Know and apply concepts that explain the composition and structure of the universe and Earth's place in it.																			
12.F.1a Identify and describe characteristics of the sun, Earth and moon as familiar objects in the solar system.																			
12.F.1b Identify daily, seasonal and annual patterns related to the Earth's rotation and revolution.				X															X
13. A. Know and apply the accepted practices of science.																			
13.A.1a Use basic safety practices (e.g., not tasting materials without permission, "stop/drop/roll").																			
13.A.1c Explain how knowledge can be gained by careful observation.										X		X							X







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Learning Standard	Shells	Night Animals	Scaly and Scary	Fossils	Can You See the Wind?	The Dirt Under Your Feet	Sink or Float?	Measuring	Energy	Saturday Night Pizza	Transportation	What's the Problem?	Early Teacher Resource
13. B. Know and apply concepts that describe the interaction between science, technology and society.													
13.B.1a Explain the uses of common scientific instruments (e.g., ruler, thermometer, balance, probe, computer).													X
13.B.1b Explain how using measuring tools improve the accuracy of estimates.													
13.B.1c Describe contributions men and women have made to science and technology.											X		X
13.B.1d Identify and describe ways that science and technology affect people's everyday lives (e.g., transportation, medicine, agriculture, sanitation, communication occupations).										X	X	X	X
13.B.1e Demonstrate ways to reduce, reuse and recycle materials.													X

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Learning Standard	A Butterflies Life	Freaky Fish	Skeletons	Wild Weather	Rocks and Minerals	Water All Around	Matter Matters	Push and Pull	Simple Machines	Amazing Mud	Collecting and Sorting Insects	Ice Maker, Ice Breaker	What If We Didn't Have Refrigerators?	Modern Day Explorer Steve Fossett	Robots	Symmetry in Nature	How to Make a Square Change Shape	Animal Records	Fluent 1 Teacher Resource
13. B. Know and apply concepts that describe the interaction between science, technology and society.																			
13.B.1a Explain the uses of common scientific instruments (e.g., ruler, thermometer, balance, probe, computer).																			
13.B.1b Explain how using measuring tools improve the accuracy of estimates.																			
13.B.1c Describe contributions men and women have made to science and technology.																			
13.B.1d Identify and describe ways that science and technology affect people's everyday lives (e.g., transportation, medicine, agriculture, sanitation, communication occupations).													<b>X</b>						<b>X</b>
13.B.1e Demonstrate ways to reduce, reuse and recycle materials.					<b>X</b>														<b>X</b>





