

Ontario Elementary Science Curriculum

FALL 2022

Curriculum Area	Reading Level	Series Titles Book Titles	ISBN	List Price	20% Discounted Price	
Grade 1 Strand A: STEM Skills and Connections	1	<i>Sport Coding Concepts</i>				
		Sporty Algorithms	9781541576919	31.50	25.20	
		Sporty Conditionals	9781541576926	31.50	25.20	
		Sporty Bugs and Errors	9781541576933	31.50	25.20	
		Sporty Looping	9781541576940	31.50	25.20	
Grade 1 Strand B: Understanding Life Systems: Characteristics and Needs of Living Things	K-3	<i>A Journey Through</i>				
		A Journey Through Nature	9780711280038	36.00	28.80	
	1	<i>If We Were Gone: Imagine the World without People</i>	9781541523579	22.50	18.00	
	1	<i>My Body</i>				
		My Body Has a Mouth	9781039644458	24.95	19.96	
		My Body Has a Nose	9781039644489	24.95	19.96	
		My Body Has Arms and Hands	9781039644472	24.95	19.96	
		My Body Has Ears	9781039644434	24.95	19.96	
		My Body Has Eyes	9781039644441	24.95	19.96	
		My Body Has Legs and Feet	9781039644465	24.95	19.96	
	1-2	<i>My Senses</i>				
		Hearing	9781637390375	29.95	23.96	
		Sight	9781637390382	29.95	23.96	
		Smell	9781637390399	29.95	23.96	
		Taste	9781637390405	29.95	23.96	
		Touch	9781637390412	29.95	23.96	
	1-2	<i>Let's Make Observations</i>				
		Let's Notice Plant and Animal Traits	9781728441344	33.00	26.40	
	K-1	<i>Living Green (pb)</i>				
		Planting Trees	9781646196234	13.45	10.76	
		Respecting Nature	9781646196258	13.45	10.76	
		Saving Water	9781646196289	13.45	10.76	
	K-2	<i>A Planet Like Ours</i>	9781534111530	25.20	20.16	
	1	<i>Save the Animals!</i>				
		Bees	9781636917924	28.45	22.76	
		Polar Bears	9781636917948	28.45	22.76	
	K	<i>See a Plant Grow!</i>				
Apple		9781636906904	26.95	21.56		
Pumpkin		9781636907024	26.95	21.56		
1	<i>Some Bodies</i>	9781534111417	25.20	20.16		
2	<i>What's Inside Me?</i>					
	My Bones	9781636914404	28.45	22.76		
	My Brain	9781636914411	28.45	22.76		
	My Heart	9781636914428	28.45	22.76		
	My Lungs	9781636914435	28.45	22.76		
	My Stomach	9781636914459	28.45	22.76		
Grade 1 Strand C: Matter and Energy	2	<i>Destination Space</i>				
		Sun	9781039644731	24.95	19.96	
	2	<i>Foundations of Physics (pb)</i>				
		Energy	9781636900346	12.00	9.60	
	2	<i>Get Started with Stem</i>				
My Body and What it Needs		9781911341413	33.00	26.40		
K	<i>Go Green with Sesame Street</i>					
	Save Energy, Bert and Ernie!	9781541572577	31.50	22.95		
Grade 1 Strand D: Structures and Mechanisms	2	<i>Get Started with Stem</i>				
		Let's Investigate Everyday Materials	9781911341352	33.00	26.40	
	1-2	<i>Let's Make Observations</i>				
		Let's Notice Types of Materials	9781728441368	33.00	26.40	
	1	<i>Stickman's Science Stars</i>				
Stickmen's Guide to Materials: What is Stuff Made From		9781913077549	31.50	25.20		
Grade 1 Strand E: Earth and Space Systems	1-2	<i>Journey Through the Seasons</i>				
		Fall	9781914087509	31.50	25.20	
		Spring	9781914087486	31.50	25.20	
		Summer	9781914087493	31.50	25.20	
		Winter	9781914087516	31.50	25.20	

Curriculum Area	Reading Level	Series Titles Book Titles	ISBN	List Price	20% Discounted Price	
	1	Little Dandelions Seeds the World	9781534110533	22.95	16.07	
	2	Night Becomes Day: Changes in Nature	9781541581241	33.00	26.40	
	1-2	Science in My World				
		Earth Has Cycles	9781427160492	22.45	17.96	
		How Weather Works	9781427160553	22.45	17.96	
	K-2	Seasons	9781039600003	22.45	17.96	
		Seasons (pb)				
		Fall	9781648348617	12.00	9.60	
		Spring	9781648348624	12.00	9.60	
	1	Summer	9781648348631	12.00	9.60	
		Winter	9781648348648	12.00	9.60	
		Weather Forecast				
	Grade 2 Stand A: STEM Skills and Connections	2-3	Careers in STEM			
Architect			9781644877371	28.45	22.76	
Botanist			9781644877395	28.45	22.76	
Computer Programmer			9781644877425	28.45	22.76	
2		Geologist	9781644877432	28.45	22.76	
		Create and Share: Thinking Digitally				
Respecting Others Online		9781534159075	32.20	25.76		
Grade 2 Strand B: Life Systems: Growth and Changes in Animals		1-2	Amazing Animals			
			Beavers	9781640265387	32.95	26.36
			Brown Bears	9781640265400	32.95	26.36
			Geckos	9781640265431	32.95	26.36
			Hummingbirds	9781640265448	32.95	26.36
			Parrots	9781640265486	32.95	26.36
	Tortoises		9781640265547	32.95	26.36	
	Vultures		9781640265561	32.95	26.36	
	1-2	Amazing Animals Classes				
		Awesome Amphibians	9781644876473	29.95	23.96	
		Brilliant Birds	9781644876480	29.95	23.96	
		Fantastic Fish	9781644876497	29.95	23.96	
		Incredible Insects	9781644876503	29.95	23.96	
		Marvelous Mammals	9781644876510	29.95	23.96	
	2	Remarkable Reptiles	9781644876527	29.95	23.96	
		Amazing Migrations				
	On the Move with Monarch Butterflies	9781636908915	29.95	23.96		
	2	F is for Feathers: A Bird Alphabet	9781534111400	25.20	20.16	
	2	Invasive Species				
		Feral Pigs	9781636907956	28.45	22.76	
		Zebra Mussels	9781636908045	28.45	22.76	
	K	Life Cycles				
		A Chicken's Life Cycle	9781636908250	28.45	22.76	
		A Frog's Life Cycle	9781636908342	28.45	22.76	
	2	A Salmon's Life Cycle	9781636908373	28.45	22.76	
		What Animal Am I?				
		Arctic Animals	9781644877258	28.45	22.76	
		Desert Animals	9781644877265	28.45	22.76	
		Forest Animals	9781644877272	28.45	22.76	
		Ocean Animals	9781644877302	28.45	22.76	
	2-4	Wetlands Animals	9781644877326	28.45	22.76	
		Whose Poo?				
	2	Poo on the Farm?	9781647473853	28.45	22.76	
Wildlife Rescue						
Caution: Turtles and Frogs Ahead!		9781643711898	28.50	22.80		
Safe Travels for Squirrels!	9781643711881	28.50	22.80			
Grade 2 Strand C: Matter and Energy: Properties of Liquids and Solids	2-3	Into to Physics: Need to Know				
		Matter	9798885092241	29.95	23.96	
	3	Science Essentials				
Solids, Liquids, and Gases: Let's Investigate	9781788561921	33.00	26.40			

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	2	Mud: How it Helps Animals (pb)	9781788561457	13.50	10.80	
	1	Forces and Motion This Way and that Way	9781636914138	28.45	22.76	
Grade 2 Strand D: Structures & Mechanisms: Simple Machines and Movement	2-3	A Maker's Guide to Simple Machines				
		A Maker's Guide to Axles	9781728416410	30.00	24.00	
		A Maker's Guide to Levers	9781728416427	30.00	24.00	
		A Maker's Guide to Pulleys	9781728416434	30.00	24.00	
		A Maker's Guide to Screws	9781728416441	30.00	24.00	
		A Maker's Guide to Wedges	9781728416458	30.00	24.00	
	A Maker's Guide to Wheels	9781728416465	30.00	24.00		
	2-3	How It Works				
		Cars	9781644875988	28.45	22.76	
		Cell Phones	9781644875995	28.45	22.76	
			Trains	9781644877364	28.45	22.76
	2-3	Intro to Physics: Need to Know				
		Motion	9798885092258	29.95	23.96	
	1	Mighty Mechanics Guide to Speed				
		In the Air	9781913440657	30.00	24.00	
		On Two Wheels	9781913440633	30.00	24.00	
	1	Simple Machines (pb)				
		Inclined Planes are Machines	9781039646421	10.00	8.00	
		Levers are Machines	9781039644496	10.00	8.00	
		Pulleys are Machines	9781039644502	10.00	8.00	
		Screws are Machines	9781039644526	10.00	8.00	
		Wedges are Machines	9781039644533	10.00	8.00	
			Wheels and Axles are Machines	9781039644540	10.00	8.00
1-2	What Machines Do					
	At Work	9781914087523	31.50	25.20		
	Daily Life	9781914087547	31.50	25.20		
		On the Move	9781914087530	31.50	25.20	
Grade 2 Strand E: Earth and Space Systems: Air and Water in the Environment	2-3	Disasters in Canada: Prepare and Be Safe				
		Snow and Ice Storms	9781773085951	28.95	23.16	
	2-3	Helping the Environment				
		Using Less Water	9781644938409	32.95	26.36	
	2-3	How to Build Our World				
		Renovate A River	9781636919232	28.45	22.76	
	2	Incredible Changes on Earth				
		Water: An Earth System	9781039644779	24.95	19.96	
1-2	Let's Make Observations					
	Let's Notice Forms of Water	9781728441382	33.00	26.40		
3	STEM to the Rescue					
	How Water Will Save the World	9781629209470	31.50	25.20		
Grade 3 Strand A: STEM Skills and Connections	3	Build It!				
		Code It!	9780711242234	31.50	25.20	
	3	Ready Set Code!				
		Coding With Hopscotch	9781541538740	33.00	26.40	
		Coding With Python	9781541538764	33.00	26.40	
			Coding With Scratch Jr.	9781541538757	33.00	26.40
	3	Create and Share: Thinking Digitally				
		Building a Digital Footprint	9781534159099	32.20	25.76	
			Staying Safe Online	9781534159105	32.20	25.76
	3	Operation Code				
		Coding on the Playground	9781534159235	32.20	25.76	
		Coding in the City	9781534159259	32.20	25.76	
Coding in the Science Lab		9781534159273	32.20	25.76		
		Coding at the Grocery Store	9781534159297	32.20	25.76	
Grade 3 Strand B: Life Systems: Growth and Changes in Plants	1-2	Backyard Science				
		How a Garden Grows	9781039644663	24.95	19.96	
			Terrific Trees	9781036944632	24.95	19.96
	2	Forest School (pb)				
		Seeds	9781636914725	10.50	8.40	

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	2	Get Started With STEM (pb) Let's Investigate How Trees Grow	9781788562713	15.00	12.00	
	2-3	Helping the Environment Pollinator Gardens	9781644938386	32.95	26.36	
	2	Plant Power Photosynthesis	9781624968808	28.45	22.76	
		Pollinating Plants	9781624968860	28.45	22.76	
	3	STEM to the Rescue How Plants Will Save the World	9781629209456	31.50	25.20	
	Grade 3 Strand C: Matter and Energy: Forces and Movement	2-3	Disasters in Canada: Prepare and Be Safe Earthquakes	9781773085920	28.95	22.76
			Tornadoes	9781773085968	28.95	22.76
2-3		Fairytales Science (pb) Making a Windproof House for the Three Little Pigs	9781644931103	14.95	11.96	
2-3		Intro to Physics: Need to Know Gravity	9798885092210	29.95	23.96	
		Motion	9798885092258	29.95	23.96	
2-4		Science Starters Forces and Motion	9781781216316	35.95	28.76	
Grade 3 Strand D: Structures & Mechanisms: Strong and Stable Structures		2	Amazing Architecture Amazing Bridges	9781636907321	28.45	22.76
			Amazing Skyscrapers	9781636907444	28.45	22.76
			Amazing Stadiums	9781636907475	28.45	22.76
		2-3	Imitating Nature How is a Building Like a Termite Mound?: Structures Imitating Nature	9781728404172	31.50	25.20
	2-5	Safe by Design Safe Buildings	9781641288750	28.45	22.76	
	Grade 3 Strand E: Earth & Space Systems: Soils in the Environment	3	Enviro-Graphics Jr. (pb) Infographics: Agriculture	9781668910764	13.45	10.76
		2	Get Started With STEM (pb) Up Close With Microhabitats	9781788562799	15.00	12.00
		Mud: & How it Helps Animals (pb)	9781788561457	13.50	10.80	
2-3		Weird Animal Diets Soil-Eating Animals	9781637390559	32.95	26.36	
Grade 4 Strand A: STEM Skills and Connections		3-4	Exploring Jobs in the Gig Economy Gig Jobs in High-Tech	9781678203887	59.45	39.56
	4	Girl Code Revolution: Profiles and Projects to Inspire Coders	9781541596726	31.50	25.20	
	3-4	Hi-Tech Health Care Robotics in Health Care	9781678201883	47.95	39.36	
Grade 4 Strand B: Life Systems: Habitats and Communities	3	Animal Survival (pb) Getting Smelly to Survive	9781644947678	13.45	11.96	
		Hiding and Bluffing to Survive	9781644947685	13.45	11.96	
		Migrating to Survive	9781644947708	13.45	11.96	
	2-4	Earth Detectives Biomes and Habitats	9781781217580	35.95	28.76	
	4-5	Earth in Danger Habitat Destruction	9781914087431	33.00	26.40	
	3	Enviro-Graphics Jr. (pb) Invasive Species	9781668910771	13.45	10.76	
		Pollution	9781668910795	13.45	10.76	
	3	Extreme Habitats Deserts	9781914087073	33.00	26.40	
		Mountains	9781914087080	33.00	26.40	
		Oceans	9781914087097	33.00	26.40	
		Polar Regions	9781914087066	33.00	26.40	
	2-4	Fast Track: A Day In A Coral Reef	9781781217412	35.95	28.76	
		A Temperate Forest	9781781217443	35.95	28.76	
		A Tropical Rainforest	9781781217450	35.95	28.76	

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	3	Life Unplugged				
		Among the Trees	9781629209531	31.50	25.20	
		Truly Deserted	9781629209548	31.50	25.20	
	5	Masters of Disguise: Amazing Animal Tricksters (pb)		9781728467092	15.00	12.00
		Spotlight on Climate Change				
	3-4	Arctic Ice Loss		9781728457925	34.50	27.60
		Climate Change and Extreme Weather		9781728457956	34.50	27.60
	4-5	Team Earth (pb)				
		Decomposers: Nature's Recyclers		9781644943250	17.95	14.36
	2-3	Underground Animal Life				
Inside a Groundhog's Burrow			9798885091398	28.45	22.76	
4	What on Earth? Climate Change Explained					
	Animals in Danger		9781636915555	29.95	23.96	
	Fires Everywhere		9781636915562	29.95	23.96	
Grade 4 Strand C: Matter and Energy: Light and Sound	2	Foundations of Physics				
		Light and Sound		9781636900391	28.45	22.76
	3	Science Essentials				
		Light: Let's Investigate		9781788561860	33.00	26.40
Grade 4 Strand D: Structures & Mechanisms: Machines and their Mechanisms	4	X-treme Facts: Engineering				
		Vehicles		9781636915074	29.95	23.96
Grade 4 Strand E: Earth and Space Systems: Rocks, Minerals, and Geological Processes	2	Earth Science-Geology: Need to Know				
		Igneous Rocks		9781636915777	29.95	23.96
		Metamorphic Rocks		9781636915784	29.95	23.96
		The Rock Cycle		9781636915807	29.95	23.96
		Sedimentary Rocks		9781636915814	29.95	23.96
	5	One Planet				
		Rocks and Fossils		9781914087042	33.00	26.40
3	Science Essentials					
		Rocks: Lets Investigate		9781788561839	33.00	26.40
Grade 5 Strand A: STEM Skills and Connections	3-5	Fighting Climate Change with Science				
		Using Engineering to Fight Climate Change		9781637392768	32.95	26.36
Grade 5 Strand B: Life Systems: Human Health and Body Systems	3-5	Engineering the Human Body				
		Artificial Organs		9781641857628	32.95	26.36
	4	Hello Body! (pb)				
		Bones		9781668911174	13.45	10.76
		Brain		9781668911181	13.45	10.76
		Gut		9781668911198	13.45	10.76
		Heart		9781668911204	13.45	10.76
		Kidneys		9781668911211	13.45	10.76
Lungs		9781668911228	13.45	10.76		
Grade 5 Strand C: Matter and Energy: Properties of and Changes in Matter	3-6	Physical Science				
		Properties of Matter		9781638971177	26.25	21.00
	2-4	States of Matter				
		States of Matter		9781781216330	35.95	28.76
Grade 5 Strand D: Structures and Mechanisms: Forces Acting on Structures	5-6	Canadian Science: Technology and Sustainability				
		Canadian Structures and Sustainability		9781773083407	30.95	24.76
	4	X-treme Facts: Engineering				
		Bridges		9798885091640	29.95	23.96
	Tunnels		9798885091688	29.95	23.96	
3-6	Physical Science					
		Forces and Change of Motion		9781638971160	26.25	21.00
Grade 5 Strand E: Earth and Space Systems: Conservation of Energy and Resources	5-6	Canadian Science: Technology and Sustainability				
		Canadian Energy Technology		9781773083384	30.95	24.76
	4-6	Canada's Changing Climate: Problems and Solutions				
		Indigenous Peoples and Climate Change		9781773087726	30.95	24.76
	4	Committing to the UN's Sustainable Development Goals (pb)				
		Do the Work! Affordable and Clean Energy		9781668910832	14.95	11.96
4-5	Earth in Danger					
	Future Energy		9781914087424	33.00	26.40	

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	3-5	Energy for the Future			
		Energy From Algae	9781637390573	29.95	23.96
		Energy From the Earth	9781637390580	29.95	23.96
		Energy From the Sun	9781637390597	29.95	23.96
		Energy From Water	9781637390603	29.95	23.96
		Energy From the Wind	9781637390610	29.95	23.96
		Nuclear Energy	9781637390627	29.95	23.96
	3-6	Physical Science			
		Forms of Energy	9781638971153	26.25	21.00
Grade 6 Strand A: STEM Skills and Connections	6	Train Your Brain			
		Think Like a Coder	9781039647527	30.65	24.52
		Think Like a Mathematician	9781039647541	30.65	24.52
		Think Like a Scientist	9781039647558	30.65	24.52
		Think Like an Engineer	9781039647534	30.65	24.52
Grade 6 Strand B: Life Systems: Biodiversity	5-6	Canadian Science: Technology and Sustainability			
		Canadian Biodiversity	9781773083377	30.95	24.76
	4-6	Canada's Changing Climate: Problems and Solutions			
		Land Use and Climate Change	9781773087733	30.95	24.76
	4-5	Earth in Danger			
		Climate Change	9781914087639	33.00	26.40
	6-12	Environmental Impact			
What is the Impact of Declining Biodiversity		9781682828618	49.45	39.56	
Grade 6 Strand C: Matter and Energy: Electrical Phenomena, Energy, and Devices	4	Medical Breakthroughs			
		X-Rays	9781541581548	33.00	26.40
	3-6	Physical Science			
		Electrical Circuits	9781638971191	26.25	21.00
		Transformation of Electrical Energy	9781638971184	26.25	21.00
Grade 6 Strand D: Structures and Mechanisms: Flight	5-6	Canadian Science: Technology and Sustainability			
		Canadian Air and Flight Technology	9781773083360	30.95	24.76
Grade 6 Strand E: Earth and Space Systems: Space	5-7	Go Quiz Yourself			
		Go Quiz Yourself on Space	9781427128744	29.40	23.52
	4	Space in Action: Augmented Reality			
		Black Holes in Action	9781541578807	36.00	28.80
		Comets and Asteroids in Action	9781541578852	36.00	28.80
		Planets in Action	9781541578845	36.00	28.80
		Space Gear in Action	9781541578845	36.00	28.80
		Space Machines in Action	9781541578814	36.00	28.80
		Space Stations	9781541578838	36.00	28.80
		Space Vehicles in action	9781541578821	36.00	28.80
		Stars and Galaxies	9781541578791	36.00	28.80
	3-6	Zoom Into Space (pb)			
		Earth	9781649967657	11.90	9.52
		Jupiter	9781649967671	11.90	9.52
		Mars	9781649967664	11.90	9.52
		Mercury	9781649967633	11.90	9.52
		Neptune	9781649967701	11.90	9.52
		Pluto	9781649967718	11.90	9.52
		Saturn	9781649967688	11.90	9.52
The Moon		9781649967725	11.90	9.52	
The Sun		9781649967626	11.90	9.52	
Uranus	9781649967695	11.90	9.52		
Venus	9781649967640	11.90	9.52		
Grade 7 Strand A: STEM Skills and Connections	6	Teen Innovators: Nine Young People Engineering a Better World with Creative Inventions (pb)	9781728417219	30.00	24.00

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Grade 7 Strand B: Life Systems: Interactions Within Ecosystems	8	Braiding Sweetgrass for Young Adults: A Guide to the Indigenous Wisdom, Scientific Knowledge, and the Teaching of Plants (pb)	9781728458991	27.00	21.60
	4-6	Canada's Changing Climate: Problems and Solutions			
		Food Supply and Climate Change	9781773087702	30.95	24.76
	5	One Planet Ecosystems	9781914087011	33.00	26.40
Grade 7 Strand C: Matter and Energy: Pure Substances and Mixtures					
Grade 7 Strand D: Structures and Mechanisms: Form, Function, and Design of structures	7	Buildings That Breathe: Greening the World's Cities	9781728419466	42.00	33.60
Grade 7 Strand E: Earth and Space Systems: Heat in the Environment	6-12	Climate Crisis: One Planet in Peril	9781678204563	49.95	39.56
	7	Energy Evolutions			
		Geothermal Energy	9781914383021	36.00	28.80
		Solar Power	9781914383045	36.00	28.80
	6-12	Extreme Weather and Climate Change: What's the Connection?	9781678200800	49.45	39.56
8	Hothouse Earth: The Climate Crisis and the Importance of Carbon Neutrality	9781541579170	42.00	33.60	
Grade 8 Strand A: STEM Skills and Connections	6-12	Exploring Careers			
		Exploring Careers in Engineering.	9781678203320	49.45	39.56
		Exploring Jobs in the Skilled Trades	9781678203368	49.45	39.56
	6-12	Exploring Hi-Tech Careers	9781678201661	49.45	39.56
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