

# New York City Core Curriculum Science Materials Aligned by Grade Level and Unit of Study

(Grades 3, 4, and 6 beginning 2007-08; Grades K-2, 5, 7, 8 beginning 2008-09)

KINDERGARTEN 2008-09	UNIT 1 Exploring Properties	UNIT 2 Trees Through the Seasons	UNIT 3 Animals	UNIT 4
<b>Option A</b> (all kit-based)	FOSS – <i>Wood and Paper</i> FOSS – <i>Fabric</i>	FOSS – <i>Trees</i>	FOSS – <i>Animals Two By Two</i>	No Unit 4
<b>Option B</b> (all textbook-based)	Harcourt <i>Science</i> (Gr K, customized to New York City)			
<b>Option C</b> (kits & text-based modules, Blend 1)	Harcourt <i>Science</i> (Gr K, customized Unit 1 module)	FOSS – <i>Trees</i>	FOSS – <i>Animals Two By Two</i>	
<b>Option D</b> (kits & text-based modules, Blend 2)	Harcourt <i>Science</i> (Gr K, customized Unit 1 module)	Harcourt <i>Science</i> (Gr K, customized Unit 2 module)	FOSS – <i>Animals Two By Two</i>	

GRADE 1 2008-09	UNIT 1 Properties of Matter	UNIT 2 Weather and Seasons	UNIT 3 Animal Diversity	UNIT 4
<b>Option A</b> (all kit-based)	FOSS – <i>Solids and Liquids</i>	FOSS – <i>Air and Weather</i>	FOSS – <i>Insects</i>	No Unit 4
<b>Option B</b> (all textbook-based)	Harcourt <i>Science</i> (Gr 1, customized to New York City)			
<b>Option C</b> (kits & text-based modules, Blend 1)	Harcourt <i>Science</i> (Gr 1, customized Unit 1 module)	Harcourt <i>Science</i> (Gr 1, customized Unit 2 module)	FOSS – <i>Insects</i>	
<b>Option D</b> (kits & text-based modules, Blend 2)	Harcourt <i>Science</i> (Gr 1, customized Unit 1 module)	FOSS – <i>Air and Weather</i>	FOSS – <i>Insects</i>	

<b>GRADE 2 2008-09</b>	<b>UNIT 1 Forces and Motion</b>	<b>UNIT 2 Earth Materials</b>	<b>UNIT 3 Plant Diversity</b>	<b>UNIT 4</b>
<b>Option A</b> (all kit-based)	FOSS – <i>Balance and Motion</i>	FOSS – <i>Pebbles, Sand and Silt</i>	FOSS – <i>New Plants</i>	No Unit 4
<b>Option B</b> (all textbook-based)	Harcourt Science (Gr 2, customized to New York City)			
<b>Option C</b> (kits & text-based modules, Blend 1)	Harcourt Science (Gr 2, customized Unit 1 module)	Harcourt Science (Gr 2, customized Unit 2 module)	FOSS – <i>New Plants</i>	
<b>Option D</b> (kits & text-based modules, Blend 2)	Harcourt Science (Gr 2, customized Unit 1 module)	FOSS – <i>Pebbles, Sand and Silt</i>	FOSS – <i>New Plants</i>	
<b>GRADE 3 2007-08</b>	<b>UNIT 1 Matter</b>	<b>UNIT 2 Energy</b>	<b>UNIT 3 Simple Machines</b>	<b>UNIT 4 Plant and Animal Adaptations</b>
<b>Option A</b> (all kit-based)	FOSS – <i>Measurement</i>	FOSS – <i>Physics of Sound</i>	DSM – <i>Force and Motion</i>	FOSS – <i>Structure of Life</i>
<b>Option B</b> (all textbook-based)	Harcourt Science (Gr 3, customized to New York City)			
<b>Option C</b> (combination of kits & text-based modules)	FOSS – <i>Measurement</i>	Harcourt Science (Gr 3, customized Unit 2 module)	DSM – <i>Force and Motion</i>	Harcourt Science (Gr 3, customized Unit 4 module)
<b>GRADE 4 2007-08</b>	<b>UNIT 1 Animals and Plants in their Environment</b>	<b>UNIT 2 Electricity and Magnetism</b>	<b>UNIT 3 Properties of Water</b>	<b>UNIT 4 Interactions of Air, Water, and Land</b>
<b>Option A</b> (all kit-based)	DSM – <i>Food Chains and Webs</i>	FOSS – <i>Magnetism and Electricity</i>	FOSS – <i>Water</i>	DSM – <i>Earth Movements</i>
<b>Option B</b> (all textbook-based)	Harcourt Science (Gr 4, customized to New York City)			
<b>Option C</b> (combination of kits & text-based modules)	DSM – <i>Food Chains and Webs</i>	Harcourt Science (Gr 3, customized Unit 2 module)	FOSS – <i>Water</i>	Harcourt Science (Gr 4, customized Unit 4 module)

<b>GRADE 5 2008-09</b>	<b>UNIT 1 The Nature of Science</b>	<b>UNIT 2 Earth Science</b>	<b>UNIT 3 Food and Nutrition</b>	<b>UNIT 4 Exploring Ecosystems</b>
<b>Option A</b> (all kit-based)	FOSS – <i>Variables</i>	FOSS – <i>Landforms</i>	FOSS – <i>Food and Nutrition</i>	FOSS – <i>Environments</i>
<b>Option B</b> (all textbook-based)	Harcourt <i>Science</i> (Gr 5, customized to New York City)			
<b>Option C</b> (combination of kits & text-based modules)	FOSS – <i>Variables</i>	Harcourt <i>Science</i> (Gr 5, customized Unit 2 module)	FOSS – <i>Food and Nutrition</i>	Harcourt <i>Science</i> (Gr 5, customized Unit 4 module)
<b>GRADE 6 2007-08</b>	<b>UNIT 1 Simple and Complex Machines</b>	<b>UNIT 2 Weather</b>	<b>UNIT 3 Diversity of Life</b>	<b>UNIT 4 Interdependence</b>
<b>Option A</b> (all kit-based)	FOSS – <i>Levers and Pulleys</i>	FOSS – <i>Weather and Water</i>	FOSS – <i>Populations and Ecosystems</i>	
<b>Option B</b> (all textbook-based)	Glencoe <i>New York Science</i> (Gr 6, customized to New York City)			
<b>Option C</b> (combination of kits & text-based modules)	Glencoe <i>New York Science</i> (Gr 6, customized Unit 1 module)	Glencoe <i>New York Science</i> (Gr 6, customized Unit 2 module)	FOSS – <i>Populations and Ecosystems</i>	
<b>GRADE 7 2008-09</b>	<b>UNIT 1 Geology</b>	<b>UNIT 2 Interaction Between Matter and Energy</b>	<b>UNIT 3 Dynamic Equilibrium: The Human Animal</b>	<b>UNIT 4 Dynamic Equilibrium: Other Organisms</b>
<b>Option A</b> (all kit-based)	LAB AIDS SEPUP – <i>Issues and Earth Science: Unit B (Rocks and Minerals); Unit D (Plate Tectonics)</i>	FOSS – <i>Chemical Interactions</i>	LAB AIDS SALI – <i>Body Works</i>	Delta Customized Kit: <i>Investigations with Protozoa, Plants, and Snails</i>
<b>Option B</b> (all textbook-based)	Glencoe <i>New York Science</i> (Gr 7, customized to New York City)			
<b>Option C</b> (combination of kits & text-based modules)	Glencoe <i>New York Science</i> (Gr 7, customized Unit 1 module)	FOSS – <i>Chemical Interactions</i>	LAB AIDS SALI – <i>Body Works</i>	Glencoe <i>New York Science</i> (Gr 7, customized Unit 4 module)

<b>GRADE 8 2008-09</b>	<b>UNIT 1 Reproduction, Heredity and Evolution</b>	<b>UNIT 2 Humans in Their Environment: Needs and Tradeoffs (Exit Projects)</b>	<b>UNIT 3 Earth, Sun, Moon System</b>	<b>UNIT 4 Forces and Motion on Earth</b>
<b>Option A</b> (all kit-based)	LAB AIDS SALI: <i>Unit D (Our Genes, Ourselves)</i> <i>Unit F (Evolution)</i>	<i>Learning and Assessing Science Process Skills</i> (ISBN 0787277797); <i>Students &amp; Research</i> (ISBN 0757519164); <i>How to Make Your Science Project Scientific</i> (ISBN 0471419206)	FOSS – <i>Planetary Science</i>	LAB AIDS SEPUP – <i>Issues and Physical Science: Force and Motion</i>
<b>Option B</b> (all textbook-based)	Glencoe <i>New York Science</i> (Gr 8, customized to New York City)			
<b>Option C</b> (combination of kits & text-based modules)	LAB AIDS SALI: <i>Unit D (Our Genes, Ourselves)</i> <i>Unit F (Evolution)</i>	<i>Learning and Assessing Science Process Skills</i> (ISBN 0787277797); <i>Students &amp; Research</i> (ISBN 0757519164); <i>How to Make Your Science Project Scientific</i> (ISBN 0471419206)	Glencoe <i>New York Science</i> (Gr 8, customized Unit 3 module)	LAB AIDS SEPUP – <i>Issues and Physical Science: Force and Motion</i>
<b>GRADE 8 ACCELERATED 2008-09</b>	<b>Earth Science</b>			
	Holt – <i>New York Earth Science: The Physical Setting</i>			
<b>GRADE 8 ACCELERATED 2008-09</b>	<b>The Living Environment</b>			
	Holt – <i>New York Biology: The Living Environment</i>			