



SCIENCE & TECHNOLOGY FOR CHILDREN (STC)

Alignment to the Science Grade Level Expectations

EALR 1 – SYSTEMS																							
		K-1				2				3				4				5				6	
GLEs		C	O	S	W	B	C	L	S	C	P	R	S	E	L	A	M	E	F	F	M	M	E
		M	R	L	E	W	H	B	O	T	G	M	D	C	W	S	D	S	S	C	W	M	P
Properties of Substances	1.1.1	◆		◆	◆	◆	◆		◆	◆		◆	◆	◆	◆			◆	◆		◆	◆	▲
Motion of Objects	1.1.2	◆	◆	◆	◆	◆							◆		◆		◆	◆					
Wave Behavior	1.1.3	<i>Not developmentally appropriate as defined by OSPI</i>											◆								▲		
Forms of Energy	1.1.4	<i>Not developmentally appropriate as defined by OSPI</i>								▲	▲	▲	◆	◆	◆		◆	▲		◆		◆	
Nature and Properties of Earth Materials	1.1.5				▲		◆		◆			◆	▲		◆								▲
Characteristics Of Living Matter	1.1.6	◆	◆					◆	◆		◆								◆			◆	
Structure of Physical, Earth/Space and Living Systems	1.2.1		▲		▲	◆	▲	◆	◆		▲	◆	◆	▲	▲	▲	▲	◆				◆	◆
Energy Transfer And Transformation	1.2.2	<i>Not developmentally appropriate as defined by OSPI</i>								▲			◆	◆	◆		◆					◆	◆
Structure of Matter	1.2.3		◆			◆	◆	◆	◆	◆	◆	◆			◆				◆		◆		◆
Components and Patterns of Earth Systems	1.2.4	<i>Not developmentally appropriate as defined by OSPI</i>													◆			◆					
Components of the Solar System and Beyond	1.2.5																						
Structure and Organization of Living Systems	1.2.6		◆					◆	◆		◆					◆		◆				◆	◆
Molecular Basis of Heredity	1.2.7							◆			◆					◆		◆					◆
Human Biology	1.2.8	▲						◆					◆	◆		◆							
Nature of Force	1.3.1			◆	◆							▲		▲	▲		◆		◆			◆	◆
Forces to Explain Motion	1.3.2			◆	▲										◆		◆		◆			◆	
Conservation of Matter and Energy	1.3.3			◆	◆		◆			◆		◆			◆				◆				
Processes and Interaction in the Earth System	1.3.4											◆			◆								
History and Evolution of the Earth	1.3.5											▲							◆				
Hydrosphere and Atmosphere	1.3.6				◆										◆								
Interactions in the Solar System and Beyond	1.3.7	<i>Not developmentally appropriate as defined by OSPI</i>																					
Life Processes and the Flow of Matter and Energy	1.3.8		◆					◆	◆		▲					▲		◆		◆	◆		◆
Biological Evolution	1.3.9											▲						◆					◆
Interdependence of Life	1.3.10		◆		◆			◆	◆									◆					◆



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EALR 2 – INQUIRY																							
		K-1				2				3				4				5				6	
GLEs		C M	O R	S L	W E	B W	C H	L B	S O	C T	P G	R M	S D	E C	L W	A S	M D	E S	F S	F C	M W	M M	E P
Questioning	2.1.1	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Planning & Conducting Safe Investigations	2.1.2	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Explaining	2.1.3	◆	◆	◆	◆		◆	◆	◆	◆		◆	◆		◆	▲	◆	◆	◆	◆	◆	◆	◆
Modeling	2.1.4	◆			◆	◆			▲				◆	◆	◆	▲	▲	◆					◆
Communicating	2.1.5	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Intellectual Honesty	2.2.1	▲	▲	◆	◆	▲	▲	▲	▲	◆	▲	◆	▲	▲	▲	▲	▲	▲	◆	▲	▲	◆	◆
Limitations of Science & Technology	2.2.2	◆		◆	◆	◆	◆		◆			▲						◆			▲		
Evaluating Inconsistent Results	2.2.3	◆			▲				◆	▲		▲		◆	◆	◆	▲	◆	◆	◆			◆
Evaluating Methods of Investigation	2.2.4	No "Evidences of Learning" listed for the K-2 level									◆		▲			◆	▲	◆	◆			◆	
Evolution of Scientific Ideas	2.2.5	◆		◆	◆				▲	◆		◆			▲		▲	▲	▲			◆	◆

EALR 3 – APPLICATION																							
		K-1				2				3				4				5				6	
GLEs		C M	O R	S L	W E	B W	C H	L B	S O	C T	P G	R M	S D	E C	L W	A S	M D	E S	F S	F C	M W	M M	E P
Identifying problems	3.1.1	◆		◆	◆	◆				◆		◆			◆			◆			◆	◆	◆
Designing & Testing Solutions	3.1.2				◆		◆			▲					◆		◆	◆	◆			◆	◆
Evaluating Potential Solutions	3.1.3	◆													▲		◆	◆					◆
All Peoples Contribute to Science & Technology	3.2.1			◆	◆	◆					▲			◆	◆	◆	◆	◆			◆	◆	◆
Relationship of Science & Technology	3.2.2	◆			▲	◆			◆					◆			◆	▲	◆	▲	◆	◆	◆
Careers & Occupations Using Science, Math, & Technology	3.2.3	▲		◆	▲	◆	◆		◆		▲			◆	◆	◆		◆			▲	◆	
Environmental & Resource Issues	3.2.4		◆	◆	▲				◆			◆	◆		◆	▲	◆	◆					◆

Symbol	Meaning
◆	GLEs embedded in the investigation
▲	Needs intentional additions but the opportunity to connect to the GLE is clearly present

Gr Level	Code	Unit Title	Gr Level	Code	Unit Title
K – 1	CM	Comparing & Measuring	4	AS	Animal Studies
	OR	Organisms		EC	Electric Circuits
	SL	Solids & Liquids		LW	Land & Water
	WE	Weather		MD	Motion & Design
2	BW	Balancing & Weighing	5	ES	Ecosystems
	CH	Changes		FC	Food Chemistry
	LB	Life Cycle of Butterflies		FS	Floating & Sinking
	SO	Soils		MW	Microworlds
3	CT	Chemical Tests	6	EP	Experimenting with Plants
	PG	Plant Growth & Development		MM	Magnets & Motors
	RM	Rocks & Minerals			
	SD	Sound			