

Science Grade 6

Physical Science: Understanding Electricity (EL)

Outcome		1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
EL6.1 Assess personal, societal, economic, and environmental impacts of electricity use in Saskatchewan and propose actions to reduce those impacts.	Personal and societal impact	<ul style="list-style-type: none"> With help, I can identify some positive and negative impacts of the personal OR societal use of electricity in Saskatchewan. 	<ul style="list-style-type: none"> I can identify some positive and negative impacts of the personal OR societal use of electricity in Saskatchewan. 	<ul style="list-style-type: none"> I can explain the positive and negative impacts of the personal AND societal use of electricity in Saskatchewan, with specific examples and details. 	<ul style="list-style-type: none"> I can compare the positive and negative impacts of the personal AND societal use of electricity in Saskatchewan with one other region, with specific examples and details.
	Economic impact	<ul style="list-style-type: none"> With help, I can identify some positive and negative economic impacts of electricity use in Saskatchewan. 	<ul style="list-style-type: none"> I can identify some positive and negative economic impacts of electricity use in Saskatchewan. 	<ul style="list-style-type: none"> I can explain the positive and negative economic impacts of electricity use in Saskatchewan, with specific examples and details. 	<ul style="list-style-type: none"> I can compare the positive and negative economic impacts of electricity use in Saskatchewan with one other region, with specific examples and details.
	Environmental impact	<ul style="list-style-type: none"> With help, I can identify some positive and negative environmental impacts of electricity use in Saskatchewan. 	<ul style="list-style-type: none"> I can identify some positive and negative environmental impacts of electricity use in Saskatchewan. 	<ul style="list-style-type: none"> I can explain the positive and negative environmental impacts of electricity use in Saskatchewan, with specific examples and details. 	<ul style="list-style-type: none"> I can compare the positive and negative environmental impacts of electricity use in Saskatchewan with one other region, with specific examples and details.
	Actions	<ul style="list-style-type: none"> I can identify several actions to reduce the impacts of electricity use in Saskatchewan. 	<ul style="list-style-type: none"> I can describe several actions to reduce the impacts of electricity use in Saskatchewan. 	<ul style="list-style-type: none"> I can defend several actions to reduce the impacts of electricity use in Saskatchewan, with support. 	<ul style="list-style-type: none"> I can create a plan to reduce the impacts of electricity use in Saskatchewan, with facts and statistics for support.
Comments					

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EL6.2 Investigate the characteristics and applications of static electric charges, conductors, insulators, switches, and electromagnetism.	Characteristics	<ul style="list-style-type: none"> I can carry out simple to explain some characteristics of static electric charges, conductors, insulators, switches, OR electromagnetism. 	<ul style="list-style-type: none"> I can carry out simple processes with some accuracy to explain several characteristics of static electric charges, conductors, insulators, switches, OR electromagnetism. 	<ul style="list-style-type: none"> I can carry out processes accurately to explain the characteristics of static electric charges, conductors, insulators, switches, AND electromagnetism. 	<ul style="list-style-type: none"> I can design and carry out an accurate investigation to explain the characteristics of static charges, conductors, insulators, switches, AND electromagnetism.
	Applications	<ul style="list-style-type: none"> I can carry out simple to explain some applications of static electric charges, conductors, insulators, switches, OR electromagnetism. 	<ul style="list-style-type: none"> I can carry out simple processes with some accuracy to explain several applications of static electric charges, conductors, insulators, switches, OR electromagnetism. 	<ul style="list-style-type: none"> I can carry out processes accurately to explain the applications of static electric charges, conductors, insulators, switches, AND electromagnetism. 	<ul style="list-style-type: none"> I can design and carry out an accurate investigation to explain the applications of static charges, conductors, insulators, switches, AND electromagnetism.
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EL6.3 Explain and model the properties of simple series and parallel circuits.	Explain	<ul style="list-style-type: none"> • With help, I can identify a series or parallel circuit. 	<ul style="list-style-type: none"> • I can identify a series and parallel circuit. 	<ul style="list-style-type: none"> • I can explain the properties of a simple series and parallel circuit. 	<ul style="list-style-type: none"> • I can distinguish the advantages and disadvantages using a simple series circuit or a parallel circuit in a particular context.
	Model	<ul style="list-style-type: none"> • With help, I can construct a simple series OR parallel circuit. 	<ul style="list-style-type: none"> • I can construct a simple series OR parallel circuit. 	<ul style="list-style-type: none"> • I can construct a simple series and parallel circuit repeatedly. 	<ul style="list-style-type: none"> • I can construct a simple series and parallel circuit repeatedly, and explain my process.
Comments					