## Student Science Skills Checklist (Correlated to CRCT)

Grade: Fourth	Strand: Physical Science	Unit: Magnetism and Electricity
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QCC	Objectives: S.4.5-S.4.11 (15%)
Student is able to:	
Student is able to.	Farantial Overtions
Define:	Essential Questions: What makes a thing magnetic?
closed circuit	How can you make a compass?
compass	What is electricity?
complete circuits	What is the relationship between electricity and
conductor	magnetism?
current electricity	How does a statically charged object affect other objects?
electromagnet	How can you make a complete circuit that will light a
insulator	bulb?
	How does chemical energy change into electrical
magnetism	energy?
open circuit	What materials will conduct electricity?  How does the flow of electricity in a series circuit differ
parallel circuit	from the flow in a parallel circuit?
series circuits	How have electrical inventions changed the way we
static electricity	live?
an outside force Explain the effect magnetism Relate directions determined Understand the magnetic rel Identify the characteristics o List examples of a conductor	ne compass point toward magnetic north unless affected by in has on a compass livith a compass to a map attionship that results in repelling and attracting forces f a simple electromagnet
List examples of an insulator	
Identify common examples of	
	of current electricity (complete circuits, ringing doorbell)
	es of open, closed, parallel and series circuits
	y (batteries, generators, photoelectric cells)
	that can be transformed into electric energy (moving
water, solar energy, fossil fu	
	gy travels from its source (power plant) to the consumer
	electricity is measured by a meter and how to read a meter
Describe appropriate ways to	
Recognize electrical safety h	
Describe what it would be it	ke to five without electricity

4<sup>th</sup> Grade