



Name(s)	Project Number
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Project Title	
Electromagnets and How They Work	ζ
Abstrac	t
Objectives/Goals I wanted to see the relationship between voltage, resist Iethods/Materials I constructed two electromagnets of varying wire size.	I varied the voltage between three and six volts.
With varied voltage I measured how many paperclips e Results	each electromagnet would lift.
I found a direct relationship between higher voltage ap could lift. I also found that as resistance increased for t field decreased.	
Conclusions/Discussion Increasing voltage increases the strength of a magnetic increase or reduce that same magnetic field.	; field, but resistance in varying wire size can
ummary Statement	
I am studying the relationship between varying voltage	e and resistance in electromagnetic field strength.
Ielp Received	