

diàn xué xī zhǐ dǎo
电学习指导 **Electricity Study Guide**

Name: _____

ESSENTIAL QUESTIONS	Key Concepts	Resources
<p>dà de xiǎng fǎ : diàn néng shì zěn me yòng de 大的想法：电能是怎么用的？ <i>Big Idea: How is electrical energy used?</i></p> <p>zěn me bǎ diàn cóng diàn yuán dào jiē shōu qì 怎么把电从电源到接收器？ <i>How can you get electricity from a source to a receiver?</i></p> <p>diàn shì zěn me liú guò diàn lù de 电是怎么流过电路的？ <i>How does electricity flow through a circuit?</i></p> <p>chuàn lián diàn lù hé bìng lián diàn lù yǒu shí me bù yí yàng 串联电路和并联电路有什么不一样？ <i>What is the difference between a series and parallel circuit?</i></p> <p>jué yuán tǐ hé dǎo tǐ yǒu shí me bù yí yàng 绝缘体和导体有什么不一样？ <i>What is the difference between an insulator and a conductor?</i></p>	<p>néng liáng de xíng shì : guāng , diàn , rè , shēng yīn 能量的形式：光，电，热，声音 <i>Forms of energy: light, electricity, heat, sound</i></p> <p>wán chéng diàn lù zǔ chéng bù fēn 完成电路组成部分： <i>Complete Circuit components:</i> diàn xiàn , diàn liú , kāi guān , diàn chí , dēng pào 电线，电流，开关，电池，灯泡 <i>wire, current, switch, battery, light bulb</i></p> <p>diàn liú tōng lù 电流通路： <i>Electric Current path:</i> chuàn lián diàn lù , bìng lián diàn lù 串联电路，并联电路 <i>series circuits, parallel circuits</i></p> <p>jué yuán tǐ , dǎo tǐ 绝缘体，导体 <i>Conductors, insulators</i></p>	<p>Science Textbook: Electricity p.316 only Electric Circuits p.322-323, 324-327 Using Electrical Energy p.334-335, 338</p>

dà de xiǎng fǎ : diàn hé diàn cí shì zěn me yòng de ?
大的想法：电和电磁是怎么用的？

Big Idea: How do magnets and electromagnets work?

cí tiě xī yīn nǎ zhǒng cái liào ?
磁铁吸引哪种材料？

What kinds of materials are attracted to magnets?

bǎ liǎng gè yǐ shàng de cí tiě fàng zài yì qǐ huì zěn me yàng ?
把两个以上的磁铁放在一起会怎么样？

What happens when you bring two or more magnets together?

diàn cí chǎng shì shí me ?
电磁场是什么？

What is an electromagnet?

zěn me bǎ yì gè diàn cí chǎng biàn gèng qiáng dà ?
怎么把一个电磁场变更强大？

How can you make an electromagnet stronger?

cí tiě hé diàn cí chǎng de xìng zhì
磁铁和电磁场的性质

Properties of magnets and electromagnets:

jí xìng , xī yīn , pǎi chì , lì liáng
极性，吸引，排斥，力量

polarity, attraction, repulsion, strength

Science Textbook:

Magnets p.350-356

Electromagnets p.362-363

****The textbook is used as supplemental resource, so we did not read those pages in class. Students are not required to know all of the information in the book, but it could be used as a resource for studying.***