

生活英語動起來教學活動設計

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活動名稱	生活課-生活英語動起來 自然 磁鐵 Magnet	教學時間	一節40分鐘
學生先備經驗	Students already know that a magnet will attract to something made out of iron. 能辨視有含鐵的物質可被磁鐵吸住的，沒有含鐵的物質則不能被磁鐵吸住的		
具體學習目標	能聽懂並說出日常常用句型 能辨識磁鐵的特性 'Like poles repel, unlike poles attract.'		
教學資源/ 設備需求	Realia (horseshoe magnets, bar magnet,) Instruction PPT, string, a stand, water pail with water, plastic lid, paper clips		
教學活動設計			
教學活動流程步驟 Procedure	教師語言	使用的策略	
Warm up 5 minutes	Greeting: Class leader, stand up, attention, bow, good morning teacher Angela and teacher Richard, how are you, I'm fine, Thank you, and you, I'm great/ awesome/ terrific/ amazing, Sit down, please. Let's sing a song about magnets. https://youtu.be/kzFlie7nBlw	YouTube song Body language	
Presentation (25 min) Instruction	● T: What are poles? (1) The magnetic force is concentrated at the ends of the magnet. These areas are called magnetic poles. The attraction is the strongest at the end of the bar magnet. The attraction is weaker in the center of the bar magnet. Resource from https://youtu.be/vLfmCo7tefU ,		Visual learning: Instruction PPT
Experiment			bar magnet a stand, 2 strings, bar magnets. point Use different tone Speak slowly and

	 Do experiment. (2)When the suspended poles point toward the north, we call north poles. The other pole is called south pole. Do experiment  Resource: https://youtu.be/8ansd01eOIo (00:32)  https://youtu.be/8-6UfeLg5g Resource (03:40) - What are <u>like poles</u>? What are <u>unlike poles</u>? (show pictures, the same magnetic poles are called <u>like poles</u>.) - Magnetic poles that are not the same are called <u>unlike poles</u>. - How do the poles of two bar magnets interact with each other? <u>Like poles</u> repel each other, <u>Unlike poles</u> attract each other.  Do experiment Hold the magnets up so that the students can see them. Hold the magnets a short distance away each other so that they will attract to each other. Let the magnets attract each other.	clearly
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	Then, turn the magnets so the other sides are facing one another. Try to get the magnets to come together (they should repel each other). Allow time for the students to do the experiment with the magnets. T: Now, it's your turn. Who wants to try? <u>Lily</u>, can you try? Come here, please. Please take this. Show me 'repel.' Good job. You say, 'repel.' Very good job. I need another student. Who can show me repel or attract? After doing the experiment... T: What did we learn? S: T: What else? If we move two magnets close to one another, what will happen? 'Like poles repel, unlike poles attract.' Yes, very good. Like poles repel, unlike poles attract. Everybody say, "Like poles repel, unlike poles attract."	
Production and wrap up. 10 minutes	Who can tell me the usage of Like poles repel one another, Unlike poles attract each other. in daily life? 磁浮列車 maglev train 利用電磁鐵同極相斥、異極相吸的原理。 · 使列車可以懸浮在軌道上快速行駛	Body language Speak slowly and clearly 生活美語動起來 · 用下列影片設計教案 https://youtu.be/9EZrpCfQtYg Worksheet

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