















Forces and Magnets: Marvellous Magnets

Aim: To observe how magnets attract or repel each other and attract some materials and not others by making, playing and evaluating a magnetic game. I can explain that magnets attract some materials.	Success Criteria: I can identify materials that are attracted to magnets. I can use the force of magnetic attraction to make a magnetic game. I can explain how a magnetic game works by attracting materials.	Resources: Lesson Pack Magnets Paper clips Plastic bowls or trays Straws or dowels String Card
	Key/New Words: Force, magnet, attract.	Preparation: Forces and Magnets Questions - 1 per child Forces and Magnets Answer Cards cut up and placed at the front of the classroom Magnetic Game Activity Sheet - 1 per child

Prior Learning: Children will have learnt about magnetic attraction and repulsion in lessons 3, 4 and 5.

Learning Sequence

	Forces and Magnets: Children play the game described on the Lesson Presentation to match the Forces and Magnets Questions to the Forces and Magnets Answer Cards .	
	Use the Force: Children check that magnets attract materials through paper by trying the activity on the Lesson Presentation . Explain the magnetic game task using the Lesson Presentation .	
	Useful Magnets: Explain the following uses of magnets: to point north in a compass; to hold a fridge door closed; in a laptop lid so that the computer can tell if it is open or closed; to sort coins in a vending machine.	
	Magnetic Games: Discuss the magnetic game suggestions on the Lesson Presentation .	
	Design and Make Your Magnetic Game! Children design and explain their own game on the differentiated Magnetic Game Activity Sheet , then make their game. <i>Look for children who can explain how magnets attract some materials and how they have used this force to create their games.</i>	
 Children may need support when making their game. Use key words to explain how their game uses magnetic attraction.	 Explain how their game uses magnetic attraction.	
	Play and Evaluate: Children share and play their games in pairs, then evaluate each other's games on the differentiated Magnetic Game Activity Sheet .	

Taskit

Writeit: Why not make a book about magnets? Include information about magnetic materials, types of magnets and magnetic poles. You could even include pop ups!

Watchit: Watch this film called _____ about 'Magnetman': Can you think of other uses for the magnetic grippers he wears?

Answerit: Try this _____ all about magnets to see how much you know!