

Are all coins magnetic?

This is a great enquiry and easy to do at home providing you have a magnet (a fridge magnet will work fine).

Instructions:

- First, collect some coins and predict whether you think they will be magnetic or not. Perhaps sort them into piles or circles to show your prediction or you could use the table below. Remember to think about why.
- Next, use your magnet to test the coins and record what you notice. Think about any questions this makes you wonder.
- Finally, see if you can answer any of the questions you are left with.

Predict (What you think will happen?)	
Observe (What did happen?)	
Explore (What questions does this make you think of?)	
Explain (What have you found out?)	

Explanation:

This is a great enquiry as the results are often surprising and that gets us thinking: why?

The first thing children might want to do is look at the dates on the coins and see if there are any patterns e.g. older coins are not magnetic. They then may need to do some research.

Check out the [Royal Mint](https://www.royal.gov.uk/learn-at-home) website for more information.

Brought to you by the Herts for Learning primary science team.